

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

CTEH - ER

Sample Delivery Group: L1858461
Samples Received: 05/14/2025
Project Number: PROJ-054017
Description: Bishop Loss of Containment Incident

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

Entire Report Reviewed By:



Jared Starkey
Project Manager

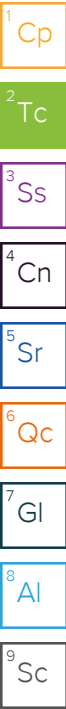
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Pace Analytical National

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

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		⁷ Gl
		⁸ Al
		⁹ Sc

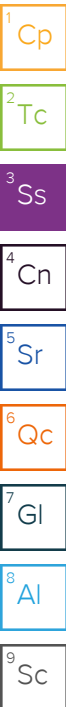
SAMPLE SUMMARY

GACO0513W002 L1858461-01

Collected by
Collected date/time
Received date/time

05/13/25 08:39 05/14/25 11:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2514860	1	05/15/25 09:55	05/15/25 09:55	JDW	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 C-2011	WG2514821	1	05/14/25 13:17	05/14/25 14:22	AMG	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 D-2020	WG2514805	1	05/14/25 13:15	05/14/25 14:31	AMG	Mt. Juliet, TN
Wet Chemistry by Method 130.1	WG2514766	5	05/14/25 16:43	05/14/25 23:07	CAT	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2514868	1	05/14/25 14:31	05/14/25 14:31	BJM	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2514721	5	05/14/25 14:24	05/14/25 14:24	AJC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2514721	50	05/14/25 14:37	05/14/25 14:37	AJC	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2514876	1	05/14/25 16:46	05/14/25 16:46	LAS	Mt. Juliet, TN
Wet Chemistry by Method 351.2	WG2514860	1	05/14/25 22:46	05/15/25 09:55	JDW	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2515562	1	05/14/25 22:46	05/15/25 12:00	KMB	Mt. Juliet, TN
Wet Chemistry by Method 5310 B-2014	WG2514781	1	05/14/25 15:29	05/14/25 15:29	AF	Mt. Juliet, TN
Wet Chemistry by Method 5540 C-2011	WG2514880	1	05/14/25 14:03	05/14/25 17:25	JEG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2514819	1	05/15/25 02:29	05/15/25 02:29	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2515017	1	05/14/25 15:30	05/14/25 15:30	KRB	Mt. Juliet, TN
Mercury by Method 7470A	WG2514830	1	05/14/25 13:56	05/14/25 17:51	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2514803	1	05/14/25 13:37	05/14/25 16:42	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2514804	1	05/14/25 13:36	05/14/25 15:20	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2514842	1	05/14/25 14:04	05/14/25 14:04	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2514719	1	05/14/25 17:43	05/14/25 17:43	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2514785	1	05/14/25 13:18	05/14/25 20:01	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2514778	1	05/14/25 15:22	05/14/25 22:22	JRM	Mt. Juliet, TN



GACO0513T002 L1858461-02

Collected by
Collected date/time
Received date/time

05/13/25 07:00 05/14/25 11:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2514719	1	05/14/25 15:34	05/14/25 15:34	WHS	Mt. Juliet, TN

GACO0513W002.5 L1858461-03

Collected by
Collected date/time
Received date/time

05/13/25 09:00 05/14/25 11:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2514860	1	05/15/25 09:56	05/15/25 09:56	JDW	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 C-2011	WG2514821	1	05/14/25 13:17	05/14/25 14:22	AMG	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 D-2020	WG2514805	1	05/14/25 13:15	05/14/25 14:31	AMG	Mt. Juliet, TN
Wet Chemistry by Method 130.1	WG2514766	5	05/14/25 16:43	05/14/25 23:08	CAT	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2514868	1	05/14/25 14:38	05/14/25 14:38	BJM	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2514721	5	05/14/25 14:49	05/14/25 14:49	AJC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2514721	50	05/14/25 15:02	05/14/25 15:02	AJC	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2514876	1	05/14/25 16:52	05/14/25 16:52	LAS	Mt. Juliet, TN
Wet Chemistry by Method 351.2	WG2514860	1	05/14/25 22:46	05/15/25 09:56	JDW	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2515562	1	05/14/25 22:46	05/15/25 12:01	KMB	Mt. Juliet, TN
Wet Chemistry by Method 5310 B-2014	WG2514781	1	05/14/25 15:51	05/14/25 15:51	AF	Mt. Juliet, TN
Wet Chemistry by Method 5540 C-2011	WG2514880	1	05/14/25 14:03	05/14/25 17:27	JEG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2514819	1	05/15/25 02:42	05/15/25 02:42	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2515017	1	05/14/25 15:30	05/14/25 15:30	KRB	Mt. Juliet, TN
Mercury by Method 7470A	WG2514830	1	05/14/25 13:56	05/14/25 17:40	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2514803	1	05/14/25 13:37	05/14/25 15:47	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2514804	1	05/14/25 13:36	05/14/25 15:23	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2514842	1	05/14/25 14:24	05/14/25 14:24	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2514719	1	05/14/25 18:04	05/14/25 18:04	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2514785	1	05/14/25 13:18	05/14/25 20:23	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2514778	1	05/14/25 15:22	05/14/25 23:06	JRM	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0513T003 L1858461-04

Collected by
Collected date/time
Received date/time

05/13/25 07:00 05/14/25 11:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2514719	1	05/14/25 15:56	05/14/25 15:56	WHS	Mt. Juliet, TN

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

GACO0513V002.5 L1858461-05

Collected by
Collected date/time
Received date/time

05/13/25 09:00 05/14/25 11:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2514860	1	05/15/25 10:00	05/15/25 10:00	JDW	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 C-2011	WG2514821	1	05/14/25 13:17	05/14/25 14:22	AMG	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 D-2020	WG2514805	1	05/14/25 13:15	05/14/25 14:31	AMG	Mt. Juliet, TN
Wet Chemistry by Method 130.1	WG2514766	5	05/14/25 16:43	05/14/25 23:09	CAT	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2514868	1	05/14/25 14:41	05/14/25 14:41	BJM	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2514721	5	05/14/25 15:15	05/14/25 15:15	AJC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2514721	50	05/14/25 15:27	05/14/25 15:27	AJC	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2514876	1	05/14/25 16:54	05/14/25 16:54	LAS	Mt. Juliet, TN
Wet Chemistry by Method 351.2	WG2514860	1	05/14/25 22:46	05/15/25 10:00	JDW	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2515562	1	05/14/25 22:46	05/15/25 12:02	KMB	Mt. Juliet, TN
Wet Chemistry by Method 5310 B-2014	WG2514781	1	05/14/25 16:13	05/14/25 16:13	AF	Mt. Juliet, TN
Wet Chemistry by Method 5540 C-2011	WG2514880	1	05/14/25 14:03	05/14/25 17:27	JEG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2514819	1	05/15/25 03:47	05/15/25 03:47	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2515017	1	05/14/25 15:30	05/14/25 15:30	KRB	Mt. Juliet, TN
Mercury by Method 7470A	WG2514830	1	05/14/25 13:56	05/14/25 17:53	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2514803	1	05/14/25 13:37	05/14/25 15:50	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2514804	1	05/14/25 13:36	05/14/25 15:40	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2514842	1	05/14/25 14:44	05/14/25 14:44	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2514719	1	05/14/25 18:26	05/14/25 18:26	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2514785	1	05/14/25 13:18	05/14/25 20:46	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2514778	1	05/14/25 15:22	05/14/25 23:28	JRM	Mt. Juliet, TN

Collected by
Collected date/time
Received date/time

05/13/25 07:00 05/14/25 11:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2514719	1	05/14/25 16:17	05/14/25 16:17	WHS	Mt. Juliet, TN

GACO0513W005 L1858461-07

Collected by
Collected date/time
Received date/time

05/13/25 10:22 05/14/25 11:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2514860	1	05/15/25 10:01	05/15/25 10:01	JDW	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 C-2011	WG2514821	1	05/14/25 13:17	05/14/25 14:22	AMG	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 D-2020	WG2514805	1	05/14/25 13:15	05/14/25 14:31	AMG	Mt. Juliet, TN
Wet Chemistry by Method 130.1	WG2514766	5	05/14/25 16:43	05/14/25 23:10	CAT	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2514868	1	05/14/25 14:45	05/14/25 14:45	BJM	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2514721	5	05/14/25 15:40	05/14/25 15:40	AJC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2514721	50	05/14/25 15:52	05/14/25 15:52	AJC	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2514876	1	05/14/25 16:55	05/14/25 16:55	LAS	Mt. Juliet, TN
Wet Chemistry by Method 351.2	WG2514860	4	05/14/25 22:46	05/15/25 10:01	JDW	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2515562	1	05/14/25 22:46	05/15/25 12:03	KMB	Mt. Juliet, TN
Wet Chemistry by Method 5310 B-2014	WG2514781	1	05/14/25 16:36	05/14/25 16:36	AF	Mt. Juliet, TN
Wet Chemistry by Method 5540 C-2011	WG2514880	1	05/14/25 14:03	05/14/25 17:27	JEG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2514819	1	05/15/25 04:00	05/15/25 04:00	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2515017	1	05/14/25 15:30	05/14/25 15:30	KRB	Mt. Juliet, TN
Mercury by Method 7470A	WG2514830	1	05/14/25 13:56	05/14/25 18:01	NDL	Mt. Juliet, TN

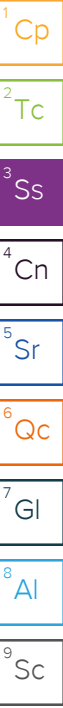
SAMPLE SUMMARY

GACO0513W005 L1858461-07

Collected by
Collected date/time
Received date/time

05/13/25 10:22 05/14/25 11:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2514803	1	05/14/25 13:37	05/14/25 15:53	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2514804	1	05/14/25 13:36	05/14/25 15:43	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2514804	5	05/14/25 13:36	05/14/25 14:43	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2514842	1	05/14/25 15:04	05/14/25 15:04	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2514719	1	05/14/25 18:47	05/14/25 18:47	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2514785	2	05/14/25 13:18	05/15/25 00:34	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2514778	1	05/14/25 15:22	05/15/25 00:12	JRM	Mt. Juliet, TN



GACO0513T008 L1858461-08

Collected by
Collected date/time
Received date/time

05/13/25 07:00 05/14/25 11:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2514719	1	05/14/25 16:39	05/14/25 16:39	WHS	Mt. Juliet, TN

GACO0513W006 L1858461-09

Collected by
Collected date/time
Received date/time

05/13/25 07:56 05/14/25 11:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2514860	1	05/15/25 10:02	05/15/25 10:02	JDW	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 C-2011	WG2514821	1	05/14/25 13:17	05/14/25 14:22	AMG	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 D-2020	WG2514805	1	05/14/25 13:15	05/14/25 14:31	AMG	Mt. Juliet, TN
Wet Chemistry by Method 130.1	WG2514766	5	05/14/25 16:43	05/14/25 23:12	CAT	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2514868	1	05/14/25 14:49	05/14/25 14:49	BJM	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2514721	5	05/14/25 16:30	05/14/25 16:30	AJC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2514721	50	05/14/25 16:43	05/14/25 16:43	AJC	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2514876	1	05/14/25 16:57	05/14/25 16:57	LAS	Mt. Juliet, TN
Wet Chemistry by Method 351.2	WG2514860	1	05/14/25 22:46	05/15/25 10:02	JDW	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2515562	1	05/14/25 22:46	05/15/25 12:07	KMB	Mt. Juliet, TN
Wet Chemistry by Method 5310 B-2014	WG2514781	1	05/14/25 16:58	05/14/25 16:58	AF	Mt. Juliet, TN
Wet Chemistry by Method 5540 C-2011	WG2514880	1	05/14/25 14:03	05/14/25 17:28	JEG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2514819	1	05/15/25 04:13	05/15/25 04:13	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2515017	1	05/14/25 15:30	05/14/25 15:30	KRB	Mt. Juliet, TN
Mercury by Method 7470A	WG2514830	1	05/14/25 13:56	05/14/25 18:04	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2514803	1	05/14/25 13:37	05/14/25 15:56	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2514804	1	05/14/25 13:36	05/14/25 15:59	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2514804	5	05/14/25 13:36	05/14/25 14:46	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2514842	1	05/14/25 15:25	05/14/25 15:25	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2514719	1	05/14/25 19:08	05/14/25 19:08	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2514785	1	05/14/25 13:18	05/14/25 21:08	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2514778	1	05/14/25 15:22	05/14/25 23:50	JRM	Mt. Juliet, TN

GACO0513T009 L1858461-10

Collected by
Collected date/time
Received date/time

05/13/25 07:00 05/14/25 11:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2514719	1	05/14/25 17:00	05/14/25 17:00	WHS	Mt. Juliet, TN

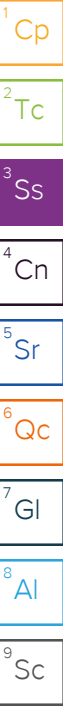
SAMPLE SUMMARY

GACO0513F001 L1858461-11

Collected by
Collected date/time
Received date/time

05/13/25 08:30 05/14/25 11:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2514860	1	05/15/25 10:03	05/15/25 10:03	JDW	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 C-2011	WG2514821	1	05/14/25 13:17	05/14/25 14:22	AMG	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 D-2020	WG2514805	1	05/14/25 13:15	05/14/25 14:31	AMG	Mt. Juliet, TN
Wet Chemistry by Method 130.1	WG2514766	1	05/14/25 16:43	05/14/25 23:13	CAT	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2514868	1	05/14/25 14:53	05/14/25 14:53	BJM	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2514721	1	05/14/25 16:55	05/14/25 16:55	AJC	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2514876	1	05/14/25 16:58	05/14/25 16:58	LAS	Mt. Juliet, TN
Wet Chemistry by Method 351.2	WG2514860	1	05/14/25 22:46	05/15/25 10:03	JDW	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2515562	1	05/14/25 22:46	05/15/25 12:09	KMB	Mt. Juliet, TN
Wet Chemistry by Method 5310 B-2014	WG2514781	1	05/14/25 17:18	05/14/25 17:18	AF	Mt. Juliet, TN
Wet Chemistry by Method 5540 C-2011	WG2514880	1	05/14/25 14:03	05/14/25 17:28	JEG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2514819	1	05/15/25 04:26	05/15/25 04:26	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2515017	1	05/14/25 15:30	05/14/25 15:30	KRB	Mt. Juliet, TN
Mercury by Method 7470A	WG2514830	1	05/14/25 13:56	05/14/25 18:06	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2514803	1	05/14/25 13:37	05/14/25 16:29	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2514804	1	05/14/25 13:36	05/14/25 15:07	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2514842	1	05/14/25 15:45	05/14/25 15:45	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2514719	1	05/14/25 19:29	05/14/25 19:29	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2514785	1	05/14/25 13:18	05/14/25 19:39	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2514778	1.15	05/14/25 15:22	05/14/25 22:44	JRM	Mt. Juliet, TN



GACO0513T011 L1858461-12

Collected by
Collected date/time
Received date/time

05/13/25 07:00 05/14/25 11:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2514719	1	05/14/25 17:21	05/14/25 17:21	WHS	Mt. Juliet, TN

GACO0513W001 L1858461-13

Collected by
Collected date/time
Received date/time

05/13/25 07:50 05/14/25 11:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2514860	1	05/15/25 10:05	05/15/25 10:05	JDW	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 C-2011	WG2514972	1	05/14/25 14:59	05/14/25 16:38	AMG	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 D-2020	WG2514965	1	05/14/25 14:53	05/14/25 16:10	AMG	Mt. Juliet, TN
Wet Chemistry by Method 130.1	WG2514766	5	05/14/25 16:43	05/14/25 23:22	CAT	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2514868	1	05/14/25 14:58	05/14/25 14:58	BJM	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2514552	5	05/14/25 21:13	05/14/25 21:13	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2514552	50	05/14/25 21:30	05/14/25 21:30	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2514876	1	05/14/25 17:00	05/14/25 17:00	LAS	Mt. Juliet, TN
Wet Chemistry by Method 351.2	WG2514860	1	05/14/25 22:46	05/15/25 10:05	JDW	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2515562	1	05/14/25 22:46	05/15/25 12:11	KMB	Mt. Juliet, TN
Wet Chemistry by Method 5310 B-2014	WG2514781	1	05/14/25 17:41	05/14/25 17:41	AF	Mt. Juliet, TN
Wet Chemistry by Method 5540 C-2011	WG2514880	1	05/14/25 14:03	05/14/25 17:28	JEG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2514819	1	05/15/25 04:52	05/15/25 04:52	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2515017	1	05/14/25 15:30	05/14/25 15:30	KRB	Mt. Juliet, TN
Mercury by Method 7470A	WG2514899	1	05/14/25 14:46	05/14/25 18:20	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2514982	1	05/14/25 15:26	05/14/25 19:24	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2514984	1	05/14/25 15:12	05/14/25 19:32	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2515012	1	05/14/25 15:52	05/14/25 15:52	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2515025	1	05/14/25 18:46	05/14/25 18:46	NCD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2514785	1	05/14/25 14:22	05/15/25 00:12	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2514985	1	05/14/25 15:50	05/14/25 20:33	JRM	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0513T001 L1858461-14

Collected by
Collected date/time
Received date/time

05/13/25 07:00 05/14/25 11:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2515025	1	05/14/25 17:06	05/14/25 17:06	NCD	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

GACO0513W003 L1858461-15

Collected by
Collected date/time
Received date/time

05/13/25 09:31 05/14/25 11:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2514860	1	05/15/25 10:06	05/15/25 10:06	JDW	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 C-2011	WG2514972	1	05/14/25 14:59	05/14/25 16:38	AMG	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 D-2020	WG2514965	1	05/14/25 14:53	05/14/25 16:10	AMG	Mt. Juliet, TN
Wet Chemistry by Method 130.1	WG2514766	5	05/14/25 16:43	05/14/25 23:23	CAT	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2514868	1	05/14/25 15:12	05/14/25 15:12	BJM	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2514552	5	05/14/25 21:46	05/14/25 21:46	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2514552	50	05/14/25 22:02	05/14/25 22:02	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2514876	1	05/14/25 17:01	05/14/25 17:01	LAS	Mt. Juliet, TN
Wet Chemistry by Method 351.2	WG2514860	4	05/14/25 22:46	05/15/25 10:06	JDW	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2515562	1	05/14/25 22:46	05/15/25 12:12	KMB	Mt. Juliet, TN
Wet Chemistry by Method 5310 B-2014	WG2514781	1	05/14/25 18:03	05/14/25 18:03	AF	Mt. Juliet, TN
Wet Chemistry by Method 5540 C-2011	WG2514880	1	05/14/25 14:03	05/14/25 17:29	JEG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2514819	1	05/15/25 05:05	05/15/25 05:05	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2515017	1	05/14/25 15:30	05/14/25 15:30	KRB	Mt. Juliet, TN
Mercury by Method 7470A	WG2514899	1	05/14/25 14:46	05/14/25 18:35	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2514982	1	05/14/25 15:26	05/14/25 20:04	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2514982	5	05/14/25 15:26	05/14/25 18:21	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2514984	1	05/14/25 15:12	05/14/25 19:20	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2515012	1	05/14/25 16:14	05/14/25 16:14	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2515025	1	05/14/25 19:06	05/14/25 19:06	NCD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2514785	1	05/14/25 14:22	05/14/25 22:15	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2514985	1.01	05/14/25 15:50	05/14/25 20:55	JRM	Mt. Juliet, TN

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GACO0513T005 L1858461-16

Collected by
Collected date/time
Received date/time

05/13/25 07:00 05/14/25 11:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2515025	1	05/14/25 17:26	05/14/25 17:26	NCD	Mt. Juliet, TN

GACO0513W004 L1858461-17

Collected by
Collected date/time
Received date/time

05/13/25 08:30 05/14/25 11:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2514860	1	05/15/25 10:07	05/15/25 10:07	JDW	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 C-2011	WG2514972	1	05/14/25 14:59	05/14/25 16:38	AMG	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 D-2020	WG2514965	1	05/14/25 14:53	05/14/25 16:10	AMG	Mt. Juliet, TN
Wet Chemistry by Method 130.1	WG2514766	5	05/14/25 16:43	05/14/25 23:25	CAT	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2514868	1	05/14/25 15:16	05/14/25 15:16	BJM	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2514552	5	05/14/25 22:19	05/14/25 22:19	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2514552	50	05/14/25 22:35	05/14/25 22:35	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2514876	1	05/14/25 17:03	05/14/25 17:03	LAS	Mt. Juliet, TN
Wet Chemistry by Method 351.2	WG2514860	1	05/14/25 22:46	05/15/25 10:07	JDW	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2515562	1	05/14/25 22:46	05/15/25 12:14	KMB	Mt. Juliet, TN
Wet Chemistry by Method 5310 B-2014	WG2514781	1	05/14/25 20:59	05/14/25 20:59	AF	Mt. Juliet, TN
Wet Chemistry by Method 5540 C-2011	WG2514880	1	05/14/25 14:03	05/14/25 17:29	JEG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2514819	1	05/15/25 05:17	05/15/25 05:17	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2515017	1	05/14/25 15:30	05/14/25 15:30	KRB	Mt. Juliet, TN

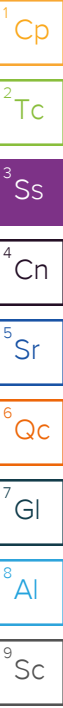
SAMPLE SUMMARY

GACO0513W004 L1858461-17

Collected by
Collected date/time
Received date/time

05/13/25 08:30 05/14/25 11:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2514899	1	05/14/25 14:46	05/14/25 18:38	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2514982	1	05/14/25 15:26	05/14/25 20:07	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2514982	5	05/14/25 15:26	05/14/25 18:24	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2514984	1	05/14/25 15:12	05/14/25 19:35	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2515012	1	05/14/25 16:37	05/14/25 16:37	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2515025	1	05/14/25 19:26	05/14/25 19:26	NCD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2514785	1	05/14/25 14:22	05/14/25 21:30	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2514985	1	05/14/25 15:50	05/14/25 21:17	JRM	Mt. Juliet, TN



GACO0513T006 L1858461-18

Collected by
Collected date/time
Received date/time

05/13/25 07:00 05/14/25 11:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2515025	1	05/14/25 17:46	05/14/25 17:46	NCD	Mt. Juliet, TN

GACO0513W004.5 L1858461-19

Collected by
Collected date/time
Received date/time

05/13/25 09:05 05/14/25 11:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2514860	1	05/15/25 10:09	05/15/25 10:09	JDW	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 C-2011	WG2514972	1	05/14/25 14:59	05/14/25 16:38	AMG	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 D-2020	WG2514965	1	05/14/25 14:53	05/14/25 16:10	AMG	Mt. Juliet, TN
Wet Chemistry by Method 130.1	WG2514766	5	05/14/25 16:43	05/14/25 23:26	CAT	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2514868	1	05/14/25 15:19	05/14/25 15:19	BJM	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2514552	5	05/14/25 22:51	05/14/25 22:51	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2514552	50	05/14/25 23:08	05/14/25 23:08	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2514876	1	05/14/25 17:05	05/14/25 17:05	LAS	Mt. Juliet, TN
Wet Chemistry by Method 351.2	WG2514860	1	05/14/25 22:46	05/15/25 10:09	JDW	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2515562	1	05/14/25 22:46	05/15/25 12:15	KMB	Mt. Juliet, TN
Wet Chemistry by Method 5310 B-2014	WG2514781	1	05/14/25 21:23	05/14/25 21:23	AF	Mt. Juliet, TN
Wet Chemistry by Method 5540 C-2011	WG2514880	1	05/14/25 14:03	05/14/25 17:30	JEG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2514819	1	05/15/25 05:30	05/15/25 05:30	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2515017	1	05/14/25 15:30	05/14/25 15:30	KRB	Mt. Juliet, TN
Mercury by Method 7470A	WG2514899	1	05/14/25 14:46	05/14/25 18:41	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2514982	1	05/14/25 15:26	05/14/25 19:51	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2514982	5	05/14/25 15:26	05/14/25 18:05	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2514984	1	05/14/25 15:12	05/14/25 19:53	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2515012	1	05/14/25 16:59	05/14/25 16:59	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2515025	1	05/14/25 19:46	05/14/25 19:46	NCD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2514785	1	05/14/25 14:22	05/14/25 21:52	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2514985	1	05/14/25 15:50	05/14/25 21:38	JRM	Mt. Juliet, TN

GACO0513T007 L1858461-20

Collected by
Collected date/time
Received date/time

05/13/25 07:00 05/14/25 11:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2515025	1	05/14/25 18:06	05/14/25 18:06	NCD	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0513W008 L1858461-21

Collected by
Collected date/time
Received date/time

05/13/25 09:48 05/14/25 11:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2514860	1	05/15/25 10:10	05/15/25 10:10	JDW	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 C-2011	WG2514972	1	05/14/25 14:59	05/14/25 16:38	AMG	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 D-2020	WG2514965	1	05/14/25 14:53	05/14/25 16:10	AMG	Mt. Juliet, TN
Wet Chemistry by Method 130.1	WG2514766	5	05/14/25 16:43	05/14/25 23:27	CAT	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2514868	1	05/14/25 15:23	05/14/25 15:23	BJM	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2514552	5	05/14/25 23:57	05/14/25 23:57	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2514876	1	05/14/25 17:06	05/14/25 17:06	LAS	Mt. Juliet, TN
Wet Chemistry by Method 351.2	WG2514860	1	05/14/25 22:46	05/15/25 10:10	JDW	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2515562	1	05/14/25 22:46	05/15/25 12:16	KMB	Mt. Juliet, TN
Wet Chemistry by Method 5310 B-2014	WG2514781	1	05/14/25 21:43	05/14/25 21:43	AF	Mt. Juliet, TN
Wet Chemistry by Method 5540 C-2011	WG2514880	1	05/14/25 14:03	05/14/25 17:31	JEG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2514819	1	05/15/25 05:43	05/15/25 05:43	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2515017	1	05/14/25 15:30	05/14/25 15:30	KRB	Mt. Juliet, TN
Mercury by Method 7470A	WG2514899	1	05/14/25 14:46	05/14/25 18:43	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2514982	1	05/14/25 15:26	05/14/25 19:27	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2514984	1	05/14/25 15:12	05/14/25 19:41	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2515012	1	05/14/25 17:22	05/14/25 17:22	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2515025	1	05/14/25 20:07	05/14/25 20:07	NCD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2514785	1	05/14/25 14:22	05/14/25 19:17	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2514985	1	05/14/25 15:50	05/14/25 22:00	JRM	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected by
Collected date/time
Received date/time

05/13/25 07:00 05/14/25 11:15

GACO0513T010 L1858461-22

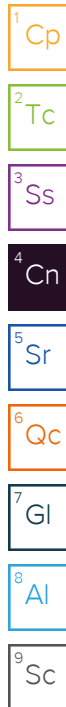
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2515025	1	05/14/25 18:26	05/14/25 18:26	NCD	Mt. Juliet, TN

CASE NARRATIVE

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



Jared Starkey
Project Manager



Project Comments

WG2514985 & WG2514778: Benzidine is reporting with critically low recovery in the laboratory control sample(s). This compound is a method defined poor performer. Results are estimated.

Sample Delivery Group (SDG) Narrative

The following samples were prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.

Batch	Method	Lab Sample ID
WG2515017	9040C	L1858461-01, 03, 05, 07, 09, 11, 13, 15, 17, 19, 21

Wet Chemistry by Method 300.0

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
WG2514552	(MS) R4214978-6	Sulfate
WG2514552	(MSD) R4214978-7	Sulfate

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

Batch	Lab Sample ID	Analytes
WG2514552	(MS) R4214978-6, (MSD) R4214978-7	Bromide, Chloride and Nitrate as (N)

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

Batch	Lab Sample ID	Analytes
WG2514552	(MS) R4214978-6, (MSD) R4214978-7	Sulfate

Wet Chemistry by Method 351.2

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2514860	Kjeldahl Nitrogen, TKN	L1858461-15

RPD value not applicable for sample concentrations less than 5 times the reporting limit.

Batch	Lab Sample ID	Analytes
WG2514860	(DUP) R4215093-7, (DUP) R4215093-8, L1858461-11, 21	Kjeldahl Nitrogen, TKN

CASE NARRATIVE

Wet Chemistry by Method 351.2

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

Batch	Lab Sample ID	Analytes
WG2514860	(MS) R4215093-5, (MSD) R4215093-6	Kjeldahl Nitrogen, TKN

Wet Chemistry by Method 365.4

RPD value not applicable for sample concentrations less than 5 times the reporting limit.

Batch	Lab Sample ID	Analytes
WG2515562	(DUP) R4215205-6, L1858461-21	Phosphorus, Total

Wet Chemistry by Method 5310 B-2014

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
WG2514781	(MS) R4214874-7	TOC (Total Organic Carbon)

Metals (ICPMS) by Method 6020B

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

Batch	Lab Sample ID	Analytes
WG2514803	(LCS) R4214772-2, L1858461-01, 03, 05, 07, 09, 11	Zinc, Dissolved

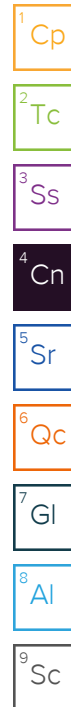
The sample concentration is too high to evaluate accurate spike recoveries.

Batch	Lab Sample ID	Analytes
WG2514982	(MS) R4214841-7, (MSD) R4214841-5, (MSD) R4214841-8, L1858461-19	Boron, Calcium, Magnesium, Manganese and Sodium
WG2514984	(MS) R4214838-4, L1858461-15	Manganese, Dissolved

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
WG2514719	L1858461-01	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Acetone, Bromoform, Bromomethane and Naphthalene
WG2514719	L1858461-02	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Acetone, Bromoform, Bromomethane and Naphthalene
WG2514719	L1858461-03	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Acetone, Bromoform, Bromomethane and Naphthalene
WG2514719	L1858461-04	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Acetone, Bromoform, Bromomethane and Naphthalene
WG2514719	L1858461-05	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Acetone, Bromoform, Bromomethane and Naphthalene
WG2514719	L1858461-06	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Acetone, Bromoform, Bromomethane and Naphthalene
WG2514719	L1858461-07	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Acetone, Bromoform, Bromomethane and Naphthalene
WG2514719	L1858461-08	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Acetone, Bromoform, Bromomethane and Naphthalene
WG2514719	L1858461-09	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Acetone, Bromoform, Bromomethane and Naphthalene
WG2514719	L1858461-10	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Acetone, Bromoform, Bromomethane and Naphthalene
WG2514719	L1858461-11	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Acetone, Bromoform, Bromomethane and Naphthalene
WG2514719	L1858461-12	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Acetone, Bromoform, Bromomethane and Naphthalene
WG2515025	L1858461-13	2,2-Dichloropropane, Acrolein, Dichlorodifluoromethane, n-Butylbenzene and p-Isopropyltoluene



CASE NARRATIVE

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

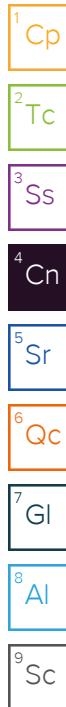
The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

Batch	Lab Sample ID	Analytes
WG2515025	L1858461-14	2,2-Dichloropropane, Acrolein, Dichlorodifluoromethane, n-Butylbenzene and p-Isopropyltoluene
WG2515025	L1858461-15	2,2-Dichloropropane, Acrolein, Dichlorodifluoromethane, n-Butylbenzene and p-Isopropyltoluene
WG2515025	L1858461-16	2,2-Dichloropropane, Acrolein, Dichlorodifluoromethane, n-Butylbenzene and p-Isopropyltoluene
WG2515025	L1858461-17	2,2-Dichloropropane, Acrolein, Dichlorodifluoromethane, n-Butylbenzene and p-Isopropyltoluene
WG2515025	L1858461-18	2,2-Dichloropropane, Acrolein, Dichlorodifluoromethane, n-Butylbenzene and p-Isopropyltoluene
WG2515025	L1858461-19	2,2-Dichloropropane, Acrolein, Dichlorodifluoromethane, n-Butylbenzene and p-Isopropyltoluene
WG2515025	L1858461-20	2,2-Dichloropropane, Acrolein, Dichlorodifluoromethane, n-Butylbenzene and p-Isopropyltoluene
WG2515025	L1858461-21	2,2-Dichloropropane, Acrolein, Dichlorodifluoromethane, n-Butylbenzene and p-Isopropyltoluene
WG2515025	L1858461-22	2,2-Dichloropropane, Acrolein, Dichlorodifluoromethane, n-Butylbenzene and p-Isopropyltoluene

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

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

Batch	Lab Sample ID	Analytes
WG2514778	(LCS) R4214921-1, (LCSD) R4214921-2, L1858461-01, 03, 05, 07, 09, 11	Benzidine
WG2514985	(LCS) R4214922-1, (LCSD) R4214922-2, L1858461-13, 15, 17, 19, 21	Benzidine



Calculated Results

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Total Nitrogen	7150		250	1	05/15/2025 09:55	WG2514860

1 Cp

2 Tc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	2130000		50000	1	05/14/2025 14:22	WG2514821

3 Ss

4 Cn

Gravimetric Analysis by Method 2540 D-2020

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	103000		14300	1	05/14/2025 14:31	WG2514805

5 Sr

6 Qc

Wet Chemistry by Method 130.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hardness (colorimetric) as CaCO3	1140000		150000	5	05/14/2025 23:07	WG2514766

7 Gl

8 Al

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Alkalinity	294000		20000	1	05/14/2025 14:31	WG2514868

9 Sc

Sample Narrative:

L1858461-01 WG2514868: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Bromide	ND		5000	5	05/14/2025 14:24	WG2514721
Chloride	99600		5000	5	05/14/2025 14:24	WG2514721
Fluoride	1350		750	5	05/14/2025 14:24	WG2514721
Nitrate as (N)	2830		500	5	05/14/2025 14:24	WG2514721
Nitrite as (N)	ND		500	5	05/14/2025 14:24	WG2514721
Sulfate	1140000		250000	50	05/14/2025 14:37	WG2514721

Sample Narrative:

L1858461-01 WG2514721: Dilution due to matrix impact on instrumentation at lower dilution

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	549		100	1	05/14/2025 16:46	WG2514876

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	4320		250	1	05/15/2025 09:55	WG2514860

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	773		100	1	05/15/2025 12:00	WG2515562

Wet Chemistry by Method 5310 B-2014

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	14900		1000	1	05/14/2025 15:29	WG2514781

Wet Chemistry by Method 5540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
MBAS	110		100	1	05/14/2025 17:25	WG2514880

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.500	1	05/15/2025 02:29	WG2514819

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.12	<u>T8</u>	1	05/14/2025 15:30	WG2515017

Sample Narrative:

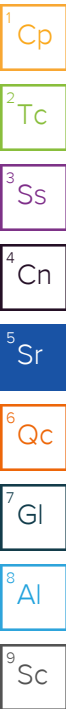
L1858461-01 WG2515017: 8.12 at 21.7C

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	05/14/2025 17:51	WG2514830

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Aluminum	1540		100	1	05/14/2025 15:20	WG2514804
Aluminum,Dissolved	ND		100	1	05/14/2025 16:42	WG2514803
Antimony	ND		4.00	1	05/14/2025 15:20	WG2514804
Arsenic	5.08		2.00	1	05/14/2025 15:20	WG2514804
Arsenic,Dissolved	4.16		2.00	1	05/14/2025 16:42	WG2514803
Barium	96.0		2.00	1	05/14/2025 15:20	WG2514804
Beryllium	ND		2.00	1	05/14/2025 15:20	WG2514804
Boron	353		30.0	1	05/14/2025 15:20	WG2514804
Cadmium	ND		1.00	1	05/14/2025 15:20	WG2514804
Cadmium,Dissolved	ND		1.00	1	05/14/2025 16:42	WG2514803
Calcium	208000		1000	1	05/14/2025 15:20	WG2514804
Chromium	ND		2.00	1	05/14/2025 15:20	WG2514804
Chromium,Dissolved	ND		2.00	1	05/14/2025 16:42	WG2514803
Copper	5.31		5.00	1	05/14/2025 15:20	WG2514804
Copper,Dissolved	ND		5.00	1	05/14/2025 16:42	WG2514803
Cobalt	2.46		2.00	1	05/14/2025 15:20	WG2514804
Iron	1800		100	1	05/14/2025 15:20	WG2514804
Lead	2.25		2.00	1	05/14/2025 15:20	WG2514804
Lead,Dissolved	ND		2.00	1	05/14/2025 16:42	WG2514803
Magnesium	138000		1000	1	05/14/2025 15:20	WG2514804
Manganese	798		5.00	1	05/14/2025 15:20	WG2514804
Manganese,Dissolved	673		5.00	1	05/14/2025 16:42	WG2514803
Nickel	5.08		2.00	1	05/14/2025 15:20	WG2514804
Nickel,Dissolved	3.43		2.00	1	05/14/2025 16:42	WG2514803
Potassium	14400		2000	1	05/14/2025 15:20	WG2514804
Selenium	5.48		2.00	1	05/14/2025 15:20	WG2514804



Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Selenium,Dissolved	4.70		2.00	1	05/14/2025 16:42	WG2514803
Silver	ND		2.00	1	05/14/2025 15:20	WG2514804
Silver,Dissolved	ND		2.00	1	05/14/2025 16:42	WG2514803
Sodium	228000		2000	1	05/14/2025 15:20	WG2514804
Thallium	ND		2.00	1	05/14/2025 15:20	WG2514804
Vanadium	9.04		5.00	1	05/14/2025 15:20	WG2514804
Zinc	25.7		25.0	1	05/14/2025 15:20	WG2514804
Zinc,Dissolved	ND	J4	25.0	1	05/14/2025 16:42	WG2514803

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		100	1	05/14/2025 14:04	WG2514842
(S) a, a, a-Trifluorotoluene(FID)	102		78.0-120		05/14/2025 14:04	WG2514842

6 Qc

7 Gl

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND	C3	50.0	1	05/14/2025 17:43	WG2514719
Acrolein	ND		50.0	1	05/14/2025 17:43	WG2514719
Acrylonitrile	ND		10.0	1	05/14/2025 17:43	WG2514719
Benzene	ND		1.00	1	05/14/2025 17:43	WG2514719
Bromobenzene	ND		1.00	1	05/14/2025 17:43	WG2514719
Bromodichloromethane	ND		1.00	1	05/14/2025 17:43	WG2514719
Bromoform	ND	C3	1.00	1	05/14/2025 17:43	WG2514719
Bromomethane	ND	C3	5.00	1	05/14/2025 17:43	WG2514719
n-Butylbenzene	ND		1.00	1	05/14/2025 17:43	WG2514719
sec-Butylbenzene	ND		1.00	1	05/14/2025 17:43	WG2514719
tert-Butylbenzene	ND		1.00	1	05/14/2025 17:43	WG2514719
Carbon tetrachloride	ND		1.00	1	05/14/2025 17:43	WG2514719
Chlorobenzene	ND		1.00	1	05/14/2025 17:43	WG2514719
Chlorodibromomethane	ND		1.00	1	05/14/2025 17:43	WG2514719
Chloroethane	ND		5.00	1	05/14/2025 17:43	WG2514719
Chloroform	ND		5.00	1	05/14/2025 17:43	WG2514719
Chloromethane	ND		2.50	1	05/14/2025 17:43	WG2514719
2-Chlorotoluene	ND		1.00	1	05/14/2025 17:43	WG2514719
4-Chlorotoluene	ND		1.00	1	05/14/2025 17:43	WG2514719
1,2-Dibromo-3-Chloropropane	ND	C3	5.00	1	05/14/2025 17:43	WG2514719
1,2-Dibromoethane	ND		1.00	1	05/14/2025 17:43	WG2514719
Dibromomethane	ND		1.00	1	05/14/2025 17:43	WG2514719
1,2-Dichlorobenzene	ND		1.00	1	05/14/2025 17:43	WG2514719
1,3-Dichlorobenzene	ND		1.00	1	05/14/2025 17:43	WG2514719
1,4-Dichlorobenzene	ND		1.00	1	05/14/2025 17:43	WG2514719
Dichlorodifluoromethane	ND		5.00	1	05/14/2025 17:43	WG2514719
1,1-Dichloroethane	ND		1.00	1	05/14/2025 17:43	WG2514719
1,2-Dichloroethane	ND		1.00	1	05/14/2025 17:43	WG2514719
1,1-Dichloroethene	ND		1.00	1	05/14/2025 17:43	WG2514719
cis-1,2-Dichloroethene	ND		1.00	1	05/14/2025 17:43	WG2514719
trans-1,2-Dichloroethene	ND		1.00	1	05/14/2025 17:43	WG2514719
1,2-Dichloropropane	ND		1.00	1	05/14/2025 17:43	WG2514719
1,1-Dichloropropene	ND		1.00	1	05/14/2025 17:43	WG2514719
1,3-Dichloropropane	ND		1.00	1	05/14/2025 17:43	WG2514719
cis-1,3-Dichloropropene	ND		1.00	1	05/14/2025 17:43	WG2514719
trans-1,3-Dichloropropene	ND		1.00	1	05/14/2025 17:43	WG2514719
2,2-Dichloropropane	ND		1.00	1	05/14/2025 17:43	WG2514719

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Di-isopropyl ether	ND		1.00	1	05/14/2025 17:43	WG2514719
Ethylbenzene	ND		1.00	1	05/14/2025 17:43	WG2514719
Hexachloro-1,3-butadiene	ND		1.00	1	05/14/2025 17:43	WG2514719
Isopropylbenzene	ND		1.00	1	05/14/2025 17:43	WG2514719
p-Isopropyltoluene	ND		1.00	1	05/14/2025 17:43	WG2514719
2-Butanone (MEK)	ND		10.0	1	05/14/2025 17:43	WG2514719
Methylene Chloride	ND		5.00	1	05/14/2025 17:43	WG2514719
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/14/2025 17:43	WG2514719
Methyl tert-butyl ether	ND		1.00	1	05/14/2025 17:43	WG2514719
Naphthalene	ND	C3	5.00	1	05/14/2025 17:43	WG2514719
n-Propylbenzene	ND		1.00	1	05/14/2025 17:43	WG2514719
Styrene	ND		1.00	1	05/14/2025 17:43	WG2514719
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/14/2025 17:43	WG2514719
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/14/2025 17:43	WG2514719
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/14/2025 17:43	WG2514719
Tetrachloroethene	ND		1.00	1	05/14/2025 17:43	WG2514719
Toluene	ND		1.00	1	05/14/2025 17:43	WG2514719
1,2,3-Trichlorobenzene	ND	C3	1.00	1	05/14/2025 17:43	WG2514719
1,2,4-Trichlorobenzene	ND	C3	1.00	1	05/14/2025 17:43	WG2514719
1,1,1-Trichloroethane	ND		1.00	1	05/14/2025 17:43	WG2514719
1,1,2-Trichloroethane	ND		1.00	1	05/14/2025 17:43	WG2514719
Trichloroethene	ND		1.00	1	05/14/2025 17:43	WG2514719
Trichlorofluoromethane	ND		5.00	1	05/14/2025 17:43	WG2514719
1,2,3-Trichloropropane	ND		2.50	1	05/14/2025 17:43	WG2514719
1,2,4-Trimethylbenzene	ND		1.00	1	05/14/2025 17:43	WG2514719
1,2,3-Trimethylbenzene	ND		1.00	1	05/14/2025 17:43	WG2514719
1,3,5-Trimethylbenzene	ND		1.00	1	05/14/2025 17:43	WG2514719
Vinyl chloride	ND		1.00	1	05/14/2025 17:43	WG2514719
Xylenes, Total	ND		3.00	1	05/14/2025 17:43	WG2514719
(S) Toluene-d8	101		80.0-120		05/14/2025 17:43	WG2514719
(S) 4-Bromofluorobenzene	93.8		77.0-126		05/14/2025 17:43	WG2514719
(S) 1,2-Dichloroethane-d4	111		70.0-130		05/14/2025 17:43	WG2514719

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	286		100	1	05/14/2025 20:01	WG2514785
C28-C36 Motor Oil Range	405		100	1	05/14/2025 20:01	WG2514785
(S) o-Terphenyl	116		52.0-156		05/14/2025 20:01	WG2514785

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acenaphthene	ND		1.00	1	05/14/2025 22:22	WG2514778
Acenaphthylene	ND		1.00	1	05/14/2025 22:22	WG2514778
Anthracene	ND		1.00	1	05/14/2025 22:22	WG2514778
Benidine	ND	J4	10.0	1	05/14/2025 22:22	WG2514778
Benzo(a)anthracene	ND		1.00	1	05/14/2025 22:22	WG2514778
Benzo(b)fluoranthene	ND		1.00	1	05/14/2025 22:22	WG2514778
Benzo(k)fluoranthene	ND		1.00	1	05/14/2025 22:22	WG2514778
Benzo(g,h,i)perylene	ND		1.00	1	05/14/2025 22:22	WG2514778
Benzo(a)pyrene	ND		1.00	1	05/14/2025 22:22	WG2514778
Bis(2-chloroethoxy)methane	ND		10.0	1	05/14/2025 22:22	WG2514778
Bis(2-chloroethyl)ether	ND		10.0	1	05/14/2025 22:22	WG2514778
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	05/14/2025 22:22	WG2514778

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4-Bromophenyl-phenylether	ND		10.0	1	05/14/2025 22:22	WG2514778
2-Chloronaphthalene	ND		1.00	1	05/14/2025 22:22	WG2514778
4-Chlorophenyl-phenylether	ND		10.0	1	05/14/2025 22:22	WG2514778
Chrysene	ND		1.00	1	05/14/2025 22:22	WG2514778
Dibenz(a,h)anthracene	ND		1.00	1	05/14/2025 22:22	WG2514778
1,2-Dichlorobenzene	ND		10.0	1	05/14/2025 22:22	WG2514778
1,3-Dichlorobenzene	ND		10.0	1	05/14/2025 22:22	WG2514778
1,4-Dichlorobenzene	ND		10.0	1	05/14/2025 22:22	WG2514778
3,3-Dichlorobenzidine	ND		10.0	1	05/14/2025 22:22	WG2514778
2,4-Dinitrotoluene	ND		10.0	1	05/14/2025 22:22	WG2514778
2,6-Dinitrotoluene	ND		10.0	1	05/14/2025 22:22	WG2514778
Fluoranthene	ND		1.00	1	05/14/2025 22:22	WG2514778
Fluorene	ND		1.00	1	05/14/2025 22:22	WG2514778
Hexachlorobenzene	ND		1.00	1	05/14/2025 22:22	WG2514778
Hexachloro-1,3-butadiene	ND		10.0	1	05/14/2025 22:22	WG2514778
Hexachlorocyclopentadiene	ND		10.0	1	05/14/2025 22:22	WG2514778
Hexachloroethane	ND		10.0	1	05/14/2025 22:22	WG2514778
Indeno(1,2,3-cd)pyrene	ND		1.00	1	05/14/2025 22:22	WG2514778
Isophorone	ND		10.0	1	05/14/2025 22:22	WG2514778
1-Methylnaphthalene	ND		1.00	1	05/14/2025 22:22	WG2514778
2-Methylnaphthalene	ND		1.00	1	05/14/2025 22:22	WG2514778
Naphthalene	ND		1.00	1	05/14/2025 22:22	WG2514778
Nitrobenzene	ND		10.0	1	05/14/2025 22:22	WG2514778
n-Nitrosodimethylamine	ND		10.0	1	05/14/2025 22:22	WG2514778
n-Nitrosodiphenylamine	ND		10.0	1	05/14/2025 22:22	WG2514778
n-Nitrosodi-n-propylamine	ND		10.0	1	05/14/2025 22:22	WG2514778
Phenanthrene	ND		1.00	1	05/14/2025 22:22	WG2514778
Benzylbutyl phthalate	ND		3.00	1	05/14/2025 22:22	WG2514778
Bis(2-ethylhexyl)phthalate	ND		3.00	1	05/14/2025 22:22	WG2514778
Di-n-butyl phthalate	ND		3.00	1	05/14/2025 22:22	WG2514778
Diethyl phthalate	ND		3.00	1	05/14/2025 22:22	WG2514778
Dimethyl phthalate	ND		3.00	1	05/14/2025 22:22	WG2514778
Di-n-octyl phthalate	ND		3.00	1	05/14/2025 22:22	WG2514778
Pyrene	ND		1.00	1	05/14/2025 22:22	WG2514778
1,2,4-Trichlorobenzene	ND		10.0	1	05/14/2025 22:22	WG2514778
4-Chloro-3-methylphenol	ND		10.0	1	05/14/2025 22:22	WG2514778
2-Chlorophenol	ND		10.0	1	05/14/2025 22:22	WG2514778
2,4-Dichlorophenol	ND		10.0	1	05/14/2025 22:22	WG2514778
2,4-Dimethylphenol	ND		10.0	1	05/14/2025 22:22	WG2514778
4,6-Dinitro-2-methylphenol	ND		10.0	1	05/14/2025 22:22	WG2514778
2,4-Dinitrophenol	ND		10.0	1	05/14/2025 22:22	WG2514778
2-Nitrophenol	ND		10.0	1	05/14/2025 22:22	WG2514778
4-Nitrophenol	ND		10.0	1	05/14/2025 22:22	WG2514778
Pentachlorophenol	ND		10.0	1	05/14/2025 22:22	WG2514778
Phenol	ND		10.0	1	05/14/2025 22:22	WG2514778
2,4,6-Trichlorophenol	ND		10.0	1	05/14/2025 22:22	WG2514778
(S) 2-Fluorophenol	38.9		10.0-120		05/14/2025 22:22	WG2514778
(S) Phenol-d5	27.7		10.0-120		05/14/2025 22:22	WG2514778
(S) Nitrobenzene-d5	60.0		10.0-127		05/14/2025 22:22	WG2514778
(S) 2-Fluorobiphenyl	56.8		10.0-130		05/14/2025 22:22	WG2514778
(S) 2,4,6-Tribromophenol	52.3		10.0-155		05/14/2025 22:22	WG2514778
(S) p-Terphenyl-d14	61.5		10.0-128		05/14/2025 22:22	WG2514778

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	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND	C3	50.0	1	05/14/2025 15:34	WG2514719
Acrolein	ND		50.0	1	05/14/2025 15:34	WG2514719
Acrylonitrile	ND		10.0	1	05/14/2025 15:34	WG2514719
Benzene	ND		1.00	1	05/14/2025 15:34	WG2514719
Bromobenzene	ND		1.00	1	05/14/2025 15:34	WG2514719
Bromodichloromethane	ND		1.00	1	05/14/2025 15:34	WG2514719
Bromoform	ND	C3	1.00	1	05/14/2025 15:34	WG2514719
Bromomethane	ND	C3	5.00	1	05/14/2025 15:34	WG2514719
n-Butylbenzene	ND		1.00	1	05/14/2025 15:34	WG2514719
sec-Butylbenzene	ND		1.00	1	05/14/2025 15:34	WG2514719
tert-Butylbenzene	ND		1.00	1	05/14/2025 15:34	WG2514719
Carbon tetrachloride	ND		1.00	1	05/14/2025 15:34	WG2514719
Chlorobenzene	ND		1.00	1	05/14/2025 15:34	WG2514719
Chlorodibromomethane	ND		1.00	1	05/14/2025 15:34	WG2514719
Chloroethane	ND		5.00	1	05/14/2025 15:34	WG2514719
Chloroform	ND		5.00	1	05/14/2025 15:34	WG2514719
Chloromethane	ND		2.50	1	05/14/2025 15:34	WG2514719
2-Chlorotoluene	ND		1.00	1	05/14/2025 15:34	WG2514719
4-Chlorotoluene	ND		1.00	1	05/14/2025 15:34	WG2514719
1,2-Dibromo-3-Chloropropane	ND	C3	5.00	1	05/14/2025 15:34	WG2514719
1,2-Dibromoethane	ND		1.00	1	05/14/2025 15:34	WG2514719
Dibromomethane	ND		1.00	1	05/14/2025 15:34	WG2514719
1,2-Dichlorobenzene	ND		1.00	1	05/14/2025 15:34	WG2514719
1,3-Dichlorobenzene	ND		1.00	1	05/14/2025 15:34	WG2514719
1,4-Dichlorobenzene	ND		1.00	1	05/14/2025 15:34	WG2514719
Dichlorodifluoromethane	ND		5.00	1	05/14/2025 15:34	WG2514719
1,1-Dichloroethane	ND		1.00	1	05/14/2025 15:34	WG2514719
1,2-Dichloroethane	ND		1.00	1	05/14/2025 15:34	WG2514719
1,1-Dichloroethene	ND		1.00	1	05/14/2025 15:34	WG2514719
cis-1,2-Dichloroethene	ND		1.00	1	05/14/2025 15:34	WG2514719
trans-1,2-Dichloroethene	ND		1.00	1	05/14/2025 15:34	WG2514719
1,2-Dichloropropane	ND		1.00	1	05/14/2025 15:34	WG2514719
1,1-Dichloropropene	ND		1.00	1	05/14/2025 15:34	WG2514719
1,3-Dichloropropane	ND		1.00	1	05/14/2025 15:34	WG2514719
cis-1,3-Dichloropropene	ND		1.00	1	05/14/2025 15:34	WG2514719
trans-1,3-Dichloropropene	ND		1.00	1	05/14/2025 15:34	WG2514719
2,2-Dichloropropane	ND		1.00	1	05/14/2025 15:34	WG2514719
Di-isopropyl ether	ND		1.00	1	05/14/2025 15:34	WG2514719
Ethylbenzene	ND		1.00	1	05/14/2025 15:34	WG2514719
Hexachloro-1,3-butadiene	ND		1.00	1	05/14/2025 15:34	WG2514719
Isopropylbenzene	ND		1.00	1	05/14/2025 15:34	WG2514719
p-Isopropyltoluene	ND		1.00	1	05/14/2025 15:34	WG2514719
2-Butanone (MEK)	ND		10.0	1	05/14/2025 15:34	WG2514719
Methylene Chloride	ND		5.00	1	05/14/2025 15:34	WG2514719
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/14/2025 15:34	WG2514719
Methyl tert-butyl ether	ND		1.00	1	05/14/2025 15:34	WG2514719
Naphthalene	ND	C3	5.00	1	05/14/2025 15:34	WG2514719
n-Propylbenzene	ND		1.00	1	05/14/2025 15:34	WG2514719
Styrene	ND		1.00	1	05/14/2025 15:34	WG2514719
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/14/2025 15:34	WG2514719
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/14/2025 15:34	WG2514719
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/14/2025 15:34	WG2514719
Tetrachloroethene	ND		1.00	1	05/14/2025 15:34	WG2514719
Toluene	ND		1.00	1	05/14/2025 15:34	WG2514719
1,2,3-Trichlorobenzene	ND	C3	1.00	1	05/14/2025 15:34	WG2514719
1,2,4-Trichlorobenzene	ND	C3	1.00	1	05/14/2025 15:34	WG2514719

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	Qualifier	RDL	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		1.00	1	05/14/2025 15:34	WG2514719
1,1,2-Trichloroethane	ND		1.00	1	05/14/2025 15:34	WG2514719
Trichloroethene	ND		1.00	1	05/14/2025 15:34	WG2514719
Trichlorofluoromethane	ND		5.00	1	05/14/2025 15:34	WG2514719
1,2,3-Trichloropropane	ND		2.50	1	05/14/2025 15:34	WG2514719
1,2,4-Trimethylbenzene	ND		1.00	1	05/14/2025 15:34	WG2514719
1,2,3-Trimethylbenzene	ND		1.00	1	05/14/2025 15:34	WG2514719
1,3,5-Trimethylbenzene	ND		1.00	1	05/14/2025 15:34	WG2514719
Vinyl chloride	ND		1.00	1	05/14/2025 15:34	WG2514719
Xylenes, Total	ND		3.00	1	05/14/2025 15:34	WG2514719
(S) Toluene-d8	101		80.0-120		05/14/2025 15:34	WG2514719
(S) 4-Bromofluorobenzene	95.1		77.0-126		05/14/2025 15:34	WG2514719
(S) 1,2-Dichloroethane-d4	109		70.0-130		05/14/2025 15:34	WG2514719

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Total Nitrogen	6740		250	1	05/15/2025 09:56	WG2514860

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	2060000		50000	1	05/14/2025 14:22	WG2514821

Gravimetric Analysis by Method 2540 D-2020

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	101000		13900	1	05/14/2025 14:31	WG2514805

Wet Chemistry by Method 130.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hardness (colorimetric) as CaCO3	1100000		150000	5	05/14/2025 23:08	WG2514766

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Alkalinity	298000		20000	1	05/14/2025 14:38	WG2514868

Sample Narrative:

L1858461-03 WG2514868: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Bromide	ND		5000	5	05/14/2025 14:49	WG2514721
Chloride	90800		5000	5	05/14/2025 14:49	WG2514721
Fluoride	1360		750	5	05/14/2025 14:49	WG2514721
Nitrate as (N)	2850		500	5	05/14/2025 14:49	WG2514721
Nitrite as (N)	ND		500	5	05/14/2025 14:49	WG2514721
Sulfate	1050000		250000	50	05/14/2025 15:02	WG2514721

Sample Narrative:

L1858461-03 WG2514721: Dilution due to matrix impact on instrumentation at lower dilution

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	553		100	1	05/14/2025 16:52	WG2514876

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	3890		250	1	05/15/2025 09:56	WG2514860

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	758		100	1	05/15/2025 12:01	WG2515562

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 5310 B-2014

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	14100		1000	1	05/14/2025 15:51	WG2514781

Wet Chemistry by Method 5540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
MBAS	117		100	1	05/14/2025 17:27	WG2514880

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.500	1	05/15/2025 02:42	WG2514819

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.06	<u>T8</u>	1	05/14/2025 15:30	WG2515017

Sample Narrative:

L1858461-03 WG2515017: 8.06 at 21.8C

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	05/14/2025 17:40	WG2514830

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Aluminum	1490		100	1	05/14/2025 15:23	WG2514804
Aluminum,Dissolved	ND		100	1	05/14/2025 15:47	WG2514803
Antimony	ND		4.00	1	05/14/2025 15:23	WG2514804
Arsenic	4.86		2.00	1	05/14/2025 15:23	WG2514804
Arsenic,Dissolved	4.34		2.00	1	05/14/2025 15:47	WG2514803
Barium	94.2		2.00	1	05/14/2025 15:23	WG2514804
Beryllium	ND		2.00	1	05/14/2025 15:23	WG2514804
Boron	342		30.0	1	05/14/2025 15:23	WG2514804
Cadmium	ND		1.00	1	05/14/2025 15:23	WG2514804
Cadmium,Dissolved	ND		1.00	1	05/14/2025 15:47	WG2514803
Calcium	206000		1000	1	05/14/2025 15:23	WG2514804
Chromium	ND		2.00	1	05/14/2025 15:23	WG2514804
Chromium,Dissolved	ND		2.00	1	05/14/2025 15:47	WG2514803
Copper	ND		5.00	1	05/14/2025 15:23	WG2514804
Copper,Dissolved	ND		5.00	1	05/14/2025 15:47	WG2514803
Cobalt	2.28		2.00	1	05/14/2025 15:23	WG2514804
Iron	1600		100	1	05/14/2025 15:23	WG2514804
Lead	2.05		2.00	1	05/14/2025 15:23	WG2514804
Lead,Dissolved	ND		2.00	1	05/14/2025 15:47	WG2514803
Magnesium	133000		1000	1	05/14/2025 15:23	WG2514804
Manganese	788		5.00	1	05/14/2025 15:23	WG2514804
Manganese,Dissolved	679		5.00	1	05/14/2025 15:47	WG2514803
Nickel	4.77		2.00	1	05/14/2025 15:23	WG2514804
Nickel,Dissolved	3.39		2.00	1	05/14/2025 15:47	WG2514803
Potassium	13900		2000	1	05/14/2025 15:23	WG2514804
Selenium	5.49		2.00	1	05/14/2025 15:23	WG2514804

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Selenium,Dissolved	5.21		2.00	1	05/14/2025 15:47	WG2514803
Silver	ND		2.00	1	05/14/2025 15:23	WG2514804
Silver,Dissolved	ND		2.00	1	05/14/2025 15:47	WG2514803
Sodium	203000		2000	1	05/14/2025 15:23	WG2514804
Thallium	ND		2.00	1	05/14/2025 15:23	WG2514804
Vanadium	8.76		5.00	1	05/14/2025 15:23	WG2514804
Zinc	ND		25.0	1	05/14/2025 15:23	WG2514804
Zinc,Dissolved	ND	J4	25.0	1	05/14/2025 15:47	WG2514803

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		100	1	05/14/2025 14:24	WG2514842
(S) a,a,a-Trifluorotoluene(FID)	102		78.0-120		05/14/2025 14:24	WG2514842

6 Qc

7 Gl

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Acetone	ND	C3	50.0	1	05/14/2025 18:04	WG2514719
Acrolein	ND		50.0	1	05/14/2025 18:04	WG2514719
Acrylonitrile	ND		10.0	1	05/14/2025 18:04	WG2514719
Benzene	ND		1.00	1	05/14/2025 18:04	WG2514719
Bromobenzene	ND		1.00	1	05/14/2025 18:04	WG2514719
Bromodichloromethane	ND		1.00	1	05/14/2025 18:04	WG2514719
Bromoform	ND	C3	1.00	1	05/14/2025 18:04	WG2514719
Bromomethane	ND	C3	5.00	1	05/14/2025 18:04	WG2514719
n-Butylbenzene	ND		1.00	1	05/14/2025 18:04	WG2514719
sec-Butylbenzene	ND		1.00	1	05/14/2025 18:04	WG2514719
tert-Butylbenzene	ND		1.00	1	05/14/2025 18:04	WG2514719
Carbon tetrachloride	ND		1.00	1	05/14/2025 18:04	WG2514719
Chlorobenzene	ND		1.00	1	05/14/2025 18:04	WG2514719
Chlorodibromomethane	ND		1.00	1	05/14/2025 18:04	WG2514719
Chloroethane	ND		5.00	1	05/14/2025 18:04	WG2514719
Chloroform	ND		5.00	1	05/14/2025 18:04	WG2514719
Chloromethane	ND		2.50	1	05/14/2025 18:04	WG2514719
2-Chlorotoluene	ND		1.00	1	05/14/2025 18:04	WG2514719
4-Chlorotoluene	ND		1.00	1	05/14/2025 18:04	WG2514719
1,2-Dibromo-3-Chloropropane	ND	C3	5.00	1	05/14/2025 18:04	WG2514719
1,2-Dibromoethane	ND		1.00	1	05/14/2025 18:04	WG2514719
Dibromomethane	ND		1.00	1	05/14/2025 18:04	WG2514719
1,2-Dichlorobenzene	ND		1.00	1	05/14/2025 18:04	WG2514719
1,3-Dichlorobenzene	ND		1.00	1	05/14/2025 18:04	WG2514719
1,4-Dichlorobenzene	ND		1.00	1	05/14/2025 18:04	WG2514719
Dichlorodifluoromethane	ND		5.00	1	05/14/2025 18:04	WG2514719
1,1-Dichloroethane	ND		1.00	1	05/14/2025 18:04	WG2514719
1,2-Dichloroethane	ND		1.00	1	05/14/2025 18:04	WG2514719
1,1-Dichloroethene	ND		1.00	1	05/14/2025 18:04	WG2514719
cis-1,2-Dichloroethene	ND		1.00	1	05/14/2025 18:04	WG2514719
trans-1,2-Dichloroethene	ND		1.00	1	05/14/2025 18:04	WG2514719
1,2-Dichloropropane	ND		1.00	1	05/14/2025 18:04	WG2514719
1,1-Dichloropropene	ND		1.00	1	05/14/2025 18:04	WG2514719
1,3-Dichloropropane	ND		1.00	1	05/14/2025 18:04	WG2514719
cis-1,3-Dichloropropene	ND		1.00	1	05/14/2025 18:04	WG2514719
trans-1,3-Dichloropropene	ND		1.00	1	05/14/2025 18:04	WG2514719
2,2-Dichloropropane	ND		1.00	1	05/14/2025 18:04	WG2514719

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Di-isopropyl ether	ND		1.00	1	05/14/2025 18:04	WG2514719
Ethylbenzene	ND		1.00	1	05/14/2025 18:04	WG2514719
Hexachloro-1,3-butadiene	ND		1.00	1	05/14/2025 18:04	WG2514719
Isopropylbenzene	ND		1.00	1	05/14/2025 18:04	WG2514719
p-Isopropyltoluene	ND		1.00	1	05/14/2025 18:04	WG2514719
2-Butanone (MEK)	ND		10.0	1	05/14/2025 18:04	WG2514719
Methylene Chloride	ND		5.00	1	05/14/2025 18:04	WG2514719
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/14/2025 18:04	WG2514719
Methyl tert-butyl ether	ND		1.00	1	05/14/2025 18:04	WG2514719
Naphthalene	ND	C3	5.00	1	05/14/2025 18:04	WG2514719
n-Propylbenzene	ND		1.00	1	05/14/2025 18:04	WG2514719
Styrene	ND		1.00	1	05/14/2025 18:04	WG2514719
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/14/2025 18:04	WG2514719
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/14/2025 18:04	WG2514719
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/14/2025 18:04	WG2514719
Tetrachloroethene	ND		1.00	1	05/14/2025 18:04	WG2514719
Toluene	ND		1.00	1	05/14/2025 18:04	WG2514719
1,2,3-Trichlorobenzene	ND	C3	1.00	1	05/14/2025 18:04	WG2514719
1,2,4-Trichlorobenzene	ND	C3	1.00	1	05/14/2025 18:04	WG2514719
1,1,1-Trichloroethane	ND		1.00	1	05/14/2025 18:04	WG2514719
1,1,2-Trichloroethane	ND		1.00	1	05/14/2025 18:04	WG2514719
Trichloroethene	ND		1.00	1	05/14/2025 18:04	WG2514719
Trichlorofluoromethane	ND		5.00	1	05/14/2025 18:04	WG2514719
1,2,3-Trichloropropane	ND		2.50	1	05/14/2025 18:04	WG2514719
1,2,4-Trimethylbenzene	ND		1.00	1	05/14/2025 18:04	WG2514719
1,2,3-Trimethylbenzene	ND		1.00	1	05/14/2025 18:04	WG2514719
1,3,5-Trimethylbenzene	ND		1.00	1	05/14/2025 18:04	WG2514719
Vinyl chloride	ND		1.00	1	05/14/2025 18:04	WG2514719
Xylenes, Total	ND		3.00	1	05/14/2025 18:04	WG2514719
(S) Toluene-d8	103		80.0-120		05/14/2025 18:04	WG2514719
(S) 4-Bromofluorobenzene	94.7		77.0-126		05/14/2025 18:04	WG2514719
(S) 1,2-Dichloroethane-d4	110		70.0-130		05/14/2025 18:04	WG2514719

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	228		100	1	05/14/2025 20:23	WG2514785
C28-C36 Motor Oil Range	413		100	1	05/14/2025 20:23	WG2514785
(S) o-Terphenyl	107		52.0-156		05/14/2025 20:23	WG2514785

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acenaphthene	ND		1.00	1	05/14/2025 23:06	WG2514778
Acenaphthylene	ND		1.00	1	05/14/2025 23:06	WG2514778
Anthracene	ND		1.00	1	05/14/2025 23:06	WG2514778
Benidine	ND	J4	10.0	1	05/14/2025 23:06	WG2514778
Benzo(a)anthracene	ND		1.00	1	05/14/2025 23:06	WG2514778
Benzo(b)fluoranthene	ND		1.00	1	05/14/2025 23:06	WG2514778
Benzo(k)fluoranthene	ND		1.00	1	05/14/2025 23:06	WG2514778
Benzo(g,h,i)perylene	ND		1.00	1	05/14/2025 23:06	WG2514778
Benzo(a)pyrene	ND		1.00	1	05/14/2025 23:06	WG2514778
Bis(2-chloroethoxy)methane	ND		10.0	1	05/14/2025 23:06	WG2514778
Bis(2-chloroethyl)ether	ND		10.0	1	05/14/2025 23:06	WG2514778
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	05/14/2025 23:06	WG2514778

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4-Bromophenyl-phenylether	ND		10.0	1	05/14/2025 23:06	WG2514778
2-Chloronaphthalene	ND		1.00	1	05/14/2025 23:06	WG2514778
4-Chlorophenyl-phenylether	ND		10.0	1	05/14/2025 23:06	WG2514778
Chrysene	ND		1.00	1	05/14/2025 23:06	WG2514778
Dibenz(a,h)anthracene	ND		1.00	1	05/14/2025 23:06	WG2514778
1,2-Dichlorobenzene	ND		10.0	1	05/14/2025 23:06	WG2514778
1,3-Dichlorobenzene	ND		10.0	1	05/14/2025 23:06	WG2514778
1,4-Dichlorobenzene	ND		10.0	1	05/14/2025 23:06	WG2514778
3,3-Dichlorobenzidine	ND		10.0	1	05/14/2025 23:06	WG2514778
2,4-Dinitrotoluene	ND		10.0	1	05/14/2025 23:06	WG2514778
2,6-Dinitrotoluene	ND		10.0	1	05/14/2025 23:06	WG2514778
Fluoranthene	ND		1.00	1	05/14/2025 23:06	WG2514778
Fluorene	ND		1.00	1	05/14/2025 23:06	WG2514778
Hexachlorobenzene	ND		1.00	1	05/14/2025 23:06	WG2514778
Hexachloro-1,3-butadiene	ND		10.0	1	05/14/2025 23:06	WG2514778
Hexachlorocyclopentadiene	ND		10.0	1	05/14/2025 23:06	WG2514778
Hexachloroethane	ND		10.0	1	05/14/2025 23:06	WG2514778
Indeno(1,2,3-cd)pyrene	ND		1.00	1	05/14/2025 23:06	WG2514778
Isophorone	ND		10.0	1	05/14/2025 23:06	WG2514778
1-Methylnaphthalene	ND		1.00	1	05/14/2025 23:06	WG2514778
2-Methylnaphthalene	ND		1.00	1	05/14/2025 23:06	WG2514778
Naphthalene	ND		1.00	1	05/14/2025 23:06	WG2514778
Nitrobenzene	ND		10.0	1	05/14/2025 23:06	WG2514778
n-Nitrosodimethylamine	ND		10.0	1	05/14/2025 23:06	WG2514778
n-Nitrosodiphenylamine	ND		10.0	1	05/14/2025 23:06	WG2514778
n-Nitrosodi-n-propylamine	ND		10.0	1	05/14/2025 23:06	WG2514778
Phenanthrene	ND		1.00	1	05/14/2025 23:06	WG2514778
Benzylbutyl phthalate	ND		3.00	1	05/14/2025 23:06	WG2514778
Bis(2-ethylhexyl)phthalate	ND		3.00	1	05/14/2025 23:06	WG2514778
Di-n-butyl phthalate	ND		3.00	1	05/14/2025 23:06	WG2514778
Diethyl phthalate	ND		3.00	1	05/14/2025 23:06	WG2514778
Dimethyl phthalate	ND		3.00	1	05/14/2025 23:06	WG2514778
Di-n-octyl phthalate	ND		3.00	1	05/14/2025 23:06	WG2514778
Pyrene	ND		1.00	1	05/14/2025 23:06	WG2514778
1,2,4-Trichlorobenzene	ND		10.0	1	05/14/2025 23:06	WG2514778
4-Chloro-3-methylphenol	ND		10.0	1	05/14/2025 23:06	WG2514778
2-Chlorophenol	ND		10.0	1	05/14/2025 23:06	WG2514778
2,4-Dichlorophenol	ND		10.0	1	05/14/2025 23:06	WG2514778
2,4-Dimethylphenol	ND		10.0	1	05/14/2025 23:06	WG2514778
4,6-Dinitro-2-methylphenol	ND		10.0	1	05/14/2025 23:06	WG2514778
2,4-Dinitrophenol	ND		10.0	1	05/14/2025 23:06	WG2514778
2-Nitrophenol	ND		10.0	1	05/14/2025 23:06	WG2514778
4-Nitrophenol	ND		10.0	1	05/14/2025 23:06	WG2514778
Pentachlorophenol	ND		10.0	1	05/14/2025 23:06	WG2514778
Phenol	ND		10.0	1	05/14/2025 23:06	WG2514778
2,4,6-Trichlorophenol	ND		10.0	1	05/14/2025 23:06	WG2514778
(S) 2-Fluorophenol	47.4		10.0-120		05/14/2025 23:06	WG2514778
(S) Phenol-d5	33.1		10.0-120		05/14/2025 23:06	WG2514778
(S) Nitrobenzene-d5	70.1		10.0-127		05/14/2025 23:06	WG2514778
(S) 2-Fluorobiphenyl	71.2		10.0-130		05/14/2025 23:06	WG2514778
(S) 2,4,6-Tribromophenol	63.2		10.0-155		05/14/2025 23:06	WG2514778
(S) p-Terphenyl-d14	74.0		10.0-128		05/14/2025 23:06	WG2514778

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	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND	C3	50.0	1	05/14/2025 15:56	WG2514719
Acrolein	ND		50.0	1	05/14/2025 15:56	WG2514719
Acrylonitrile	ND		10.0	1	05/14/2025 15:56	WG2514719
Benzene	ND		1.00	1	05/14/2025 15:56	WG2514719
Bromobenzene	ND		1.00	1	05/14/2025 15:56	WG2514719
Bromodichloromethane	ND		1.00	1	05/14/2025 15:56	WG2514719
Bromoform	ND	C3	1.00	1	05/14/2025 15:56	WG2514719
Bromomethane	ND	C3	5.00	1	05/14/2025 15:56	WG2514719
n-Butylbenzene	ND		1.00	1	05/14/2025 15:56	WG2514719
sec-Butylbenzene	ND		1.00	1	05/14/2025 15:56	WG2514719
tert-Butylbenzene	ND		1.00	1	05/14/2025 15:56	WG2514719
Carbon tetrachloride	ND		1.00	1	05/14/2025 15:56	WG2514719
Chlorobenzene	ND		1.00	1	05/14/2025 15:56	WG2514719
Chlorodibromomethane	ND		1.00	1	05/14/2025 15:56	WG2514719
Chloroethane	ND		5.00	1	05/14/2025 15:56	WG2514719
Chloroform	ND		5.00	1	05/14/2025 15:56	WG2514719
Chloromethane	ND		2.50	1	05/14/2025 15:56	WG2514719
2-Chlorotoluene	ND		1.00	1	05/14/2025 15:56	WG2514719
4-Chlorotoluene	ND		1.00	1	05/14/2025 15:56	WG2514719
1,2-Dibromo-3-Chloropropane	ND	C3	5.00	1	05/14/2025 15:56	WG2514719
1,2-Dibromoethane	ND		1.00	1	05/14/2025 15:56	WG2514719
Dibromomethane	ND		1.00	1	05/14/2025 15:56	WG2514719
1,2-Dichlorobenzene	ND		1.00	1	05/14/2025 15:56	WG2514719
1,3-Dichlorobenzene	ND		1.00	1	05/14/2025 15:56	WG2514719
1,4-Dichlorobenzene	ND		1.00	1	05/14/2025 15:56	WG2514719
Dichlorodifluoromethane	ND		5.00	1	05/14/2025 15:56	WG2514719
1,1-Dichloroethane	ND		1.00	1	05/14/2025 15:56	WG2514719
1,2-Dichloroethane	ND		1.00	1	05/14/2025 15:56	WG2514719
1,1-Dichloroethene	ND		1.00	1	05/14/2025 15:56	WG2514719
cis-1,2-Dichloroethene	ND		1.00	1	05/14/2025 15:56	WG2514719
trans-1,2-Dichloroethene	ND		1.00	1	05/14/2025 15:56	WG2514719
1,2-Dichloropropane	ND		1.00	1	05/14/2025 15:56	WG2514719
1,1-Dichloropropene	ND		1.00	1	05/14/2025 15:56	WG2514719
1,3-Dichloropropane	ND		1.00	1	05/14/2025 15:56	WG2514719
cis-1,3-Dichloropropene	ND		1.00	1	05/14/2025 15:56	WG2514719
trans-1,3-Dichloropropene	ND		1.00	1	05/14/2025 15:56	WG2514719
2,2-Dichloropropane	ND		1.00	1	05/14/2025 15:56	WG2514719
Di-isopropyl ether	ND		1.00	1	05/14/2025 15:56	WG2514719
Ethylbenzene	ND		1.00	1	05/14/2025 15:56	WG2514719
Hexachloro-1,3-butadiene	ND		1.00	1	05/14/2025 15:56	WG2514719
Isopropylbenzene	ND		1.00	1	05/14/2025 15:56	WG2514719
p-Isopropyltoluene	ND		1.00	1	05/14/2025 15:56	WG2514719
2-Butanone (MEK)	ND		10.0	1	05/14/2025 15:56	WG2514719
Methylene Chloride	ND		5.00	1	05/14/2025 15:56	WG2514719
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/14/2025 15:56	WG2514719
Methyl tert-butyl ether	ND		1.00	1	05/14/2025 15:56	WG2514719
Naphthalene	ND	C3	5.00	1	05/14/2025 15:56	WG2514719
n-Propylbenzene	ND		1.00	1	05/14/2025 15:56	WG2514719
Styrene	ND		1.00	1	05/14/2025 15:56	WG2514719
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/14/2025 15:56	WG2514719
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/14/2025 15:56	WG2514719
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/14/2025 15:56	WG2514719
Tetrachloroethene	ND		1.00	1	05/14/2025 15:56	WG2514719
Toluene	ND		1.00	1	05/14/2025 15:56	WG2514719
1,2,3-Trichlorobenzene	ND	C3	1.00	1	05/14/2025 15:56	WG2514719
1,2,4-Trichlorobenzene	ND	C3	1.00	1	05/14/2025 15:56	WG2514719

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 ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		1.00	1	05/14/2025 15:56	WG2514719
1,1,2-Trichloroethane	ND		1.00	1	05/14/2025 15:56	WG2514719
Trichloroethene	ND		1.00	1	05/14/2025 15:56	WG2514719
Trichlorofluoromethane	ND		5.00	1	05/14/2025 15:56	WG2514719
1,2,3-Trichloropropane	ND		2.50	1	05/14/2025 15:56	WG2514719
1,2,4-Trimethylbenzene	ND		1.00	1	05/14/2025 15:56	WG2514719
1,2,3-Trimethylbenzene	ND		1.00	1	05/14/2025 15:56	WG2514719
1,3,5-Trimethylbenzene	ND		1.00	1	05/14/2025 15:56	WG2514719
Vinyl chloride	ND		1.00	1	05/14/2025 15:56	WG2514719
Xylenes, Total	ND		3.00	1	05/14/2025 15:56	WG2514719
(S) Toluene-d8	102		80.0-120		05/14/2025 15:56	WG2514719
(S) 4-Bromofluorobenzene	96.8		77.0-126		05/14/2025 15:56	WG2514719
(S) 1,2-Dichloroethane-d4	111		70.0-130		05/14/2025 15:56	WG2514719

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Total Nitrogen	6800		250	1	05/15/2025 10:00	WG2514860

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	2110000		25000	1	05/14/2025 14:22	WG2514821

Gravimetric Analysis by Method 2540 D-2020

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	95600		13900	1	05/14/2025 14:31	WG2514805

Wet Chemistry by Method 130.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hardness (colorimetric) as CaCO3	1090000		150000	5	05/14/2025 23:09	WG2514766

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Alkalinity	295000		20000	1	05/14/2025 14:41	WG2514868

Sample Narrative:

L1858461-05 WG2514868: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Bromide	ND		5000	5	05/14/2025 15:15	WG2514721
Chloride	91300		5000	5	05/14/2025 15:15	WG2514721
Fluoride	1360		750	5	05/14/2025 15:15	WG2514721
Nitrate as (N)	2800		500	5	05/14/2025 15:15	WG2514721
Nitrite as (N)	ND		500	5	05/14/2025 15:15	WG2514721
Sulfate	1060000		250000	50	05/14/2025 15:27	WG2514721

Sample Narrative:

L1858461-05 WG2514721: Dilution due to matrix impact on instrumentation at lower dilution

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	538		100	1	05/14/2025 16:54	WG2514876

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	4000		250	1	05/15/2025 10:00	WG2514860

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	682		100	1	05/15/2025 12:02	WG2515562

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 5310 B-2014

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	14300		1000	1	05/14/2025 16:13	WG2514781

Wet Chemistry by Method 5540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
MBAS	187		100	1	05/14/2025 17:27	WG2514880

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.500	1	05/15/2025 03:47	WG2514819

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.08	<u>T8</u>	1	05/14/2025 15:30	WG2515017

Sample Narrative:

L1858461-05 WG2515017: 8.08 at 21.5C

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	05/14/2025 17:53	WG2514830

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Aluminum	1520		100	1	05/14/2025 15:40	WG2514804
Aluminum,Dissolved	ND		100	1	05/14/2025 15:50	WG2514803
Antimony	ND		4.00	1	05/14/2025 15:40	WG2514804
Arsenic	4.82		2.00	1	05/14/2025 15:40	WG2514804
Arsenic,Dissolved	4.14		2.00	1	05/14/2025 15:50	WG2514803
Barium	92.9		2.00	1	05/14/2025 15:40	WG2514804
Beryllium	ND		2.00	1	05/14/2025 15:40	WG2514804
Boron	347		30.0	1	05/14/2025 15:40	WG2514804
Cadmium	ND		1.00	1	05/14/2025 15:40	WG2514804
Cadmium,Dissolved	ND		1.00	1	05/14/2025 15:50	WG2514803
Calcium	204000		1000	1	05/14/2025 15:40	WG2514804
Chromium	ND		2.00	1	05/14/2025 15:40	WG2514804
Chromium,Dissolved	ND		2.00	1	05/14/2025 15:50	WG2514803
Copper	ND		5.00	1	05/14/2025 15:40	WG2514804
Copper,Dissolved	ND		5.00	1	05/14/2025 15:50	WG2514803
Cobalt	2.24		2.00	1	05/14/2025 15:40	WG2514804
Iron	1580		100	1	05/14/2025 15:40	WG2514804
Lead	ND		2.00	1	05/14/2025 15:40	WG2514804
Lead,Dissolved	ND		2.00	1	05/14/2025 15:50	WG2514803
Magnesium	133000		1000	1	05/14/2025 15:40	WG2514804
Manganese	761		5.00	1	05/14/2025 15:40	WG2514804
Manganese,Dissolved	671		5.00	1	05/14/2025 15:50	WG2514803
Nickel	4.79		2.00	1	05/14/2025 15:40	WG2514804
Nickel,Dissolved	3.26		2.00	1	05/14/2025 15:50	WG2514803
Potassium	13800		2000	1	05/14/2025 15:40	WG2514804
Selenium	4.85		2.00	1	05/14/2025 15:40	WG2514804

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Selenium,Dissolved	5.03		2.00	1	05/14/2025 15:50	WG2514803
Silver	ND		2.00	1	05/14/2025 15:40	WG2514804
Silver,Dissolved	ND		2.00	1	05/14/2025 15:50	WG2514803
Sodium	200000		2000	1	05/14/2025 15:40	WG2514804
Thallium	ND		2.00	1	05/14/2025 15:40	WG2514804
Vanadium	8.82		5.00	1	05/14/2025 15:40	WG2514804
Zinc	ND		25.0	1	05/14/2025 15:40	WG2514804
Zinc,Dissolved	ND	J4	25.0	1	05/14/2025 15:50	WG2514803

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		100	1	05/14/2025 14:44	WG2514842
(S) a, a, a-Trifluorotoluene(FID)	102		78.0-120		05/14/2025 14:44	WG2514842

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Acetone	ND	C3	50.0	1	05/14/2025 18:26	WG2514719
Acrolein	ND		50.0	1	05/14/2025 18:26	WG2514719
Acrylonitrile	ND		10.0	1	05/14/2025 18:26	WG2514719
Benzene	ND		1.00	1	05/14/2025 18:26	WG2514719
Bromobenzene	ND		1.00	1	05/14/2025 18:26	WG2514719
Bromodichloromethane	ND		1.00	1	05/14/2025 18:26	WG2514719
Bromoform	ND	C3	1.00	1	05/14/2025 18:26	WG2514719
Bromomethane	ND	C3	5.00	1	05/14/2025 18:26	WG2514719
n-Butylbenzene	ND		1.00	1	05/14/2025 18:26	WG2514719
sec-Butylbenzene	ND		1.00	1	05/14/2025 18:26	WG2514719
tert-Butylbenzene	ND		1.00	1	05/14/2025 18:26	WG2514719
Carbon tetrachloride	ND		1.00	1	05/14/2025 18:26	WG2514719
Chlorobenzene	ND		1.00	1	05/14/2025 18:26	WG2514719
Chlorodibromomethane	ND		1.00	1	05/14/2025 18:26	WG2514719
Chloroethane	ND		5.00	1	05/14/2025 18:26	WG2514719
Chloroform	ND		5.00	1	05/14/2025 18:26	WG2514719
Chloromethane	ND		2.50	1	05/14/2025 18:26	WG2514719
2-Chlorotoluene	ND		1.00	1	05/14/2025 18:26	WG2514719
4-Chlorotoluene	ND		1.00	1	05/14/2025 18:26	WG2514719
1,2-Dibromo-3-Chloropropane	ND	C3	5.00	1	05/14/2025 18:26	WG2514719
1,2-Dibromoethane	ND		1.00	1	05/14/2025 18:26	WG2514719
Dibromomethane	ND		1.00	1	05/14/2025 18:26	WG2514719
1,2-Dichlorobenzene	ND		1.00	1	05/14/2025 18:26	WG2514719
1,3-Dichlorobenzene	ND		1.00	1	05/14/2025 18:26	WG2514719
1,4-Dichlorobenzene	ND		1.00	1	05/14/2025 18:26	WG2514719
Dichlorodifluoromethane	ND		5.00	1	05/14/2025 18:26	WG2514719
1,1-Dichloroethane	ND		1.00	1	05/14/2025 18:26	WG2514719
1,2-Dichloroethane	ND		1.00	1	05/14/2025 18:26	WG2514719
1,1-Dichloroethene	ND		1.00	1	05/14/2025 18:26	WG2514719
cis-1,2-Dichloroethene	ND		1.00	1	05/14/2025 18:26	WG2514719
trans-1,2-Dichloroethene	ND		1.00	1	05/14/2025 18:26	WG2514719
1,2-Dichloropropane	ND		1.00	1	05/14/2025 18:26	WG2514719
1,1-Dichloropropene	ND		1.00	1	05/14/2025 18:26	WG2514719
1,3-Dichloropropane	ND		1.00	1	05/14/2025 18:26	WG2514719
cis-1,3-Dichloropropene	ND		1.00	1	05/14/2025 18:26	WG2514719
trans-1,3-Dichloropropene	ND		1.00	1	05/14/2025 18:26	WG2514719
2,2-Dichloropropane	ND		1.00	1	05/14/2025 18:26	WG2514719

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Di-isopropyl ether	ND		1.00	1	05/14/2025 18:26	WG2514719
Ethylbenzene	ND		1.00	1	05/14/2025 18:26	WG2514719
Hexachloro-1,3-butadiene	ND		1.00	1	05/14/2025 18:26	WG2514719
Isopropylbenzene	ND		1.00	1	05/14/2025 18:26	WG2514719
p-Isopropyltoluene	ND		1.00	1	05/14/2025 18:26	WG2514719
2-Butanone (MEK)	ND		10.0	1	05/14/2025 18:26	WG2514719
Methylene Chloride	ND		5.00	1	05/14/2025 18:26	WG2514719
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/14/2025 18:26	WG2514719
Methyl tert-butyl ether	ND		1.00	1	05/14/2025 18:26	WG2514719
Naphthalene	ND	C3	5.00	1	05/14/2025 18:26	WG2514719
n-Propylbenzene	ND		1.00	1	05/14/2025 18:26	WG2514719
Styrene	ND		1.00	1	05/14/2025 18:26	WG2514719
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/14/2025 18:26	WG2514719
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/14/2025 18:26	WG2514719
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/14/2025 18:26	WG2514719
Tetrachloroethene	ND		1.00	1	05/14/2025 18:26	WG2514719
Toluene	ND		1.00	1	05/14/2025 18:26	WG2514719
1,2,3-Trichlorobenzene	ND	C3	1.00	1	05/14/2025 18:26	WG2514719
1,2,4-Trichlorobenzene	ND	C3	1.00	1	05/14/2025 18:26	WG2514719
1,1,1-Trichloroethane	ND		1.00	1	05/14/2025 18:26	WG2514719
1,1,2-Trichloroethane	ND		1.00	1	05/14/2025 18:26	WG2514719
Trichloroethene	ND		1.00	1	05/14/2025 18:26	WG2514719
Trichlorofluoromethane	ND		5.00	1	05/14/2025 18:26	WG2514719
1,2,3-Trichloropropane	ND		2.50	1	05/14/2025 18:26	WG2514719
1,2,4-Trimethylbenzene	ND		1.00	1	05/14/2025 18:26	WG2514719
1,2,3-Trimethylbenzene	ND		1.00	1	05/14/2025 18:26	WG2514719
1,3,5-Trimethylbenzene	ND		1.00	1	05/14/2025 18:26	WG2514719
Vinyl chloride	ND		1.00	1	05/14/2025 18:26	WG2514719
Xylenes, Total	ND		3.00	1	05/14/2025 18:26	WG2514719
(S) Toluene-d8	102		80.0-120		05/14/2025 18:26	WG2514719
(S) 4-Bromofluorobenzene	94.8		77.0-126		05/14/2025 18:26	WG2514719
(S) 1,2-Dichloroethane-d4	111		70.0-130		05/14/2025 18:26	WG2514719

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	255		100	1	05/14/2025 20:46	WG2514785
C28-C36 Motor Oil Range	456		100	1	05/14/2025 20:46	WG2514785
(S) o-Terphenyl	121		52.0-156		05/14/2025 20:46	WG2514785

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acenaphthene	ND		1.00	1	05/14/2025 23:28	WG2514778
Acenaphthylene	ND		1.00	1	05/14/2025 23:28	WG2514778
Anthracene	ND		1.00	1	05/14/2025 23:28	WG2514778
Benidine	ND	J4	10.0	1	05/14/2025 23:28	WG2514778
Benzo(a)anthracene	ND		1.00	1	05/14/2025 23:28	WG2514778
Benzo(b)fluoranthene	ND		1.00	1	05/14/2025 23:28	WG2514778
Benzo(k)fluoranthene	ND		1.00	1	05/14/2025 23:28	WG2514778
Benzo(g,h,i)perylene	ND		1.00	1	05/14/2025 23:28	WG2514778
Benzo(a)pyrene	ND		1.00	1	05/14/2025 23:28	WG2514778
Bis(2-chloroethoxy)methane	ND		10.0	1	05/14/2025 23:28	WG2514778
Bis(2-chloroethyl)ether	ND		10.0	1	05/14/2025 23:28	WG2514778
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	05/14/2025 23:28	WG2514778

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4-Bromophenyl-phenylether	ND		10.0	1	05/14/2025 23:28	WG2514778
2-Chloronaphthalene	ND		1.00	1	05/14/2025 23:28	WG2514778
4-Chlorophenyl-phenylether	ND		10.0	1	05/14/2025 23:28	WG2514778
Chrysene	ND		1.00	1	05/14/2025 23:28	WG2514778
Dibenz(a,h)anthracene	ND		1.00	1	05/14/2025 23:28	WG2514778
1,2-Dichlorobenzene	ND		10.0	1	05/14/2025 23:28	WG2514778
1,3-Dichlorobenzene	ND		10.0	1	05/14/2025 23:28	WG2514778
1,4-Dichlorobenzene	ND		10.0	1	05/14/2025 23:28	WG2514778
3,3-Dichlorobenzidine	ND		10.0	1	05/14/2025 23:28	WG2514778
2,4-Dinitrotoluene	ND		10.0	1	05/14/2025 23:28	WG2514778
2,6-Dinitrotoluene	ND		10.0	1	05/14/2025 23:28	WG2514778
Fluoranthene	ND		1.00	1	05/14/2025 23:28	WG2514778
Fluorene	ND		1.00	1	05/14/2025 23:28	WG2514778
Hexachlorobenzene	ND		1.00	1	05/14/2025 23:28	WG2514778
Hexachloro-1,3-butadiene	ND		10.0	1	05/14/2025 23:28	WG2514778
Hexachlorocyclopentadiene	ND		10.0	1	05/14/2025 23:28	WG2514778
Hexachloroethane	ND		10.0	1	05/14/2025 23:28	WG2514778
Indeno(1,2,3-cd)pyrene	ND		1.00	1	05/14/2025 23:28	WG2514778
Isophorone	ND		10.0	1	05/14/2025 23:28	WG2514778
1-Methylnaphthalene	ND		1.00	1	05/14/2025 23:28	WG2514778
2-Methylnaphthalene	ND		1.00	1	05/14/2025 23:28	WG2514778
Naphthalene	ND		1.00	1	05/14/2025 23:28	WG2514778
Nitrobenzene	ND		10.0	1	05/14/2025 23:28	WG2514778
n-Nitrosodimethylamine	ND		10.0	1	05/14/2025 23:28	WG2514778
n-Nitrosodiphenylamine	ND		10.0	1	05/14/2025 23:28	WG2514778
n-Nitrosodi-n-propylamine	ND		10.0	1	05/14/2025 23:28	WG2514778
Phenanthrene	ND		1.00	1	05/14/2025 23:28	WG2514778
Benzylbutyl phthalate	ND		3.00	1	05/14/2025 23:28	WG2514778
Bis(2-ethylhexyl)phthalate	ND		3.00	1	05/14/2025 23:28	WG2514778
Di-n-butyl phthalate	ND		3.00	1	05/14/2025 23:28	WG2514778
Diethyl phthalate	ND		3.00	1	05/14/2025 23:28	WG2514778
Dimethyl phthalate	ND		3.00	1	05/14/2025 23:28	WG2514778
Di-n-octyl phthalate	ND		3.00	1	05/14/2025 23:28	WG2514778
Pyrene	ND		1.00	1	05/14/2025 23:28	WG2514778
1,2,4-Trichlorobenzene	ND		10.0	1	05/14/2025 23:28	WG2514778
4-Chloro-3-methylphenol	ND		10.0	1	05/14/2025 23:28	WG2514778
2-Chlorophenol	ND		10.0	1	05/14/2025 23:28	WG2514778
2,4-Dichlorophenol	ND		10.0	1	05/14/2025 23:28	WG2514778
2,4-Dimethylphenol	ND		10.0	1	05/14/2025 23:28	WG2514778
4,6-Dinitro-2-methylphenol	ND		10.0	1	05/14/2025 23:28	WG2514778
2,4-Dinitrophenol	ND		10.0	1	05/14/2025 23:28	WG2514778
2-Nitrophenol	ND		10.0	1	05/14/2025 23:28	WG2514778
4-Nitrophenol	ND		10.0	1	05/14/2025 23:28	WG2514778
Pentachlorophenol	ND		10.0	1	05/14/2025 23:28	WG2514778
Phenol	ND		10.0	1	05/14/2025 23:28	WG2514778
2,4,6-Trichlorophenol	ND		10.0	1	05/14/2025 23:28	WG2514778
(S) 2-Fluorophenol	45.2		10.0-120		05/14/2025 23:28	WG2514778
(S) Phenol-d5	32.6		10.0-120		05/14/2025 23:28	WG2514778
(S) Nitrobenzene-d5	61.3		10.0-127		05/14/2025 23:28	WG2514778
(S) 2-Fluorobiphenyl	64.4		10.0-130		05/14/2025 23:28	WG2514778
(S) 2,4,6-Tribromophenol	56.5		10.0-155		05/14/2025 23:28	WG2514778
(S) p-Terphenyl-d14	71.0		10.0-128		05/14/2025 23:28	WG2514778

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	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND	C3	50.0	1	05/14/2025 16:17	WG2514719
Acrolein	ND		50.0	1	05/14/2025 16:17	WG2514719
Acrylonitrile	ND		10.0	1	05/14/2025 16:17	WG2514719
Benzene	ND		1.00	1	05/14/2025 16:17	WG2514719
Bromobenzene	ND		1.00	1	05/14/2025 16:17	WG2514719
Bromodichloromethane	ND		1.00	1	05/14/2025 16:17	WG2514719
Bromoform	ND	C3	1.00	1	05/14/2025 16:17	WG2514719
Bromomethane	ND	C3	5.00	1	05/14/2025 16:17	WG2514719
n-Butylbenzene	ND		1.00	1	05/14/2025 16:17	WG2514719
sec-Butylbenzene	ND		1.00	1	05/14/2025 16:17	WG2514719
tert-Butylbenzene	ND		1.00	1	05/14/2025 16:17	WG2514719
Carbon tetrachloride	ND		1.00	1	05/14/2025 16:17	WG2514719
Chlorobenzene	ND		1.00	1	05/14/2025 16:17	WG2514719
Chlorodibromomethane	ND		1.00	1	05/14/2025 16:17	WG2514719
Chloroethane	ND		5.00	1	05/14/2025 16:17	WG2514719
Chloroform	ND		5.00	1	05/14/2025 16:17	WG2514719
Chloromethane	ND		2.50	1	05/14/2025 16:17	WG2514719
2-Chlorotoluene	ND		1.00	1	05/14/2025 16:17	WG2514719
4-Chlorotoluene	ND		1.00	1	05/14/2025 16:17	WG2514719
1,2-Dibromo-3-Chloropropane	ND	C3	5.00	1	05/14/2025 16:17	WG2514719
1,2-Dibromoethane	ND		1.00	1	05/14/2025 16:17	WG2514719
Dibromomethane	ND		1.00	1	05/14/2025 16:17	WG2514719
1,2-Dichlorobenzene	ND		1.00	1	05/14/2025 16:17	WG2514719
1,3-Dichlorobenzene	ND		1.00	1	05/14/2025 16:17	WG2514719
1,4-Dichlorobenzene	ND		1.00	1	05/14/2025 16:17	WG2514719
Dichlorodifluoromethane	ND		5.00	1	05/14/2025 16:17	WG2514719
1,1-Dichloroethane	ND		1.00	1	05/14/2025 16:17	WG2514719
1,2-Dichloroethane	ND		1.00	1	05/14/2025 16:17	WG2514719
1,1-Dichloroethene	ND		1.00	1	05/14/2025 16:17	WG2514719
cis-1,2-Dichloroethene	ND		1.00	1	05/14/2025 16:17	WG2514719
trans-1,2-Dichloroethene	ND		1.00	1	05/14/2025 16:17	WG2514719
1,2-Dichloropropane	ND		1.00	1	05/14/2025 16:17	WG2514719
1,1-Dichloropropene	ND		1.00	1	05/14/2025 16:17	WG2514719
1,3-Dichloropropane	ND		1.00	1	05/14/2025 16:17	WG2514719
cis-1,3-Dichloropropene	ND		1.00	1	05/14/2025 16:17	WG2514719
trans-1,3-Dichloropropene	ND		1.00	1	05/14/2025 16:17	WG2514719
2,2-Dichloropropane	ND		1.00	1	05/14/2025 16:17	WG2514719
Di-isopropyl ether	ND		1.00	1	05/14/2025 16:17	WG2514719
Ethylbenzene	ND		1.00	1	05/14/2025 16:17	WG2514719
Hexachloro-1,3-butadiene	ND		1.00	1	05/14/2025 16:17	WG2514719
Isopropylbenzene	ND		1.00	1	05/14/2025 16:17	WG2514719
p-Isopropyltoluene	ND		1.00	1	05/14/2025 16:17	WG2514719
2-Butanone (MEK)	ND		10.0	1	05/14/2025 16:17	WG2514719
Methylene Chloride	ND		5.00	1	05/14/2025 16:17	WG2514719
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/14/2025 16:17	WG2514719
Methyl tert-butyl ether	ND		1.00	1	05/14/2025 16:17	WG2514719
Naphthalene	ND	C3	5.00	1	05/14/2025 16:17	WG2514719
n-Propylbenzene	ND		1.00	1	05/14/2025 16:17	WG2514719
Styrene	ND		1.00	1	05/14/2025 16:17	WG2514719
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/14/2025 16:17	WG2514719
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/14/2025 16:17	WG2514719
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/14/2025 16:17	WG2514719
Tetrachloroethene	ND		1.00	1	05/14/2025 16:17	WG2514719
Toluene	ND		1.00	1	05/14/2025 16:17	WG2514719
1,2,3-Trichlorobenzene	ND	C3	1.00	1	05/14/2025 16:17	WG2514719
1,2,4-Trichlorobenzene	ND	C3	1.00	1	05/14/2025 16:17	WG2514719

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	Qualifier	RDL	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		1.00	1	05/14/2025 16:17	WG2514719
1,1,2-Trichloroethane	ND		1.00	1	05/14/2025 16:17	WG2514719
Trichloroethene	ND		1.00	1	05/14/2025 16:17	WG2514719
Trichlorofluoromethane	ND		5.00	1	05/14/2025 16:17	WG2514719
1,2,3-Trichloropropane	ND		2.50	1	05/14/2025 16:17	WG2514719
1,2,4-Trimethylbenzene	ND		1.00	1	05/14/2025 16:17	WG2514719
1,2,3-Trimethylbenzene	ND		1.00	1	05/14/2025 16:17	WG2514719
1,3,5-Trimethylbenzene	ND		1.00	1	05/14/2025 16:17	WG2514719
Vinyl chloride	ND		1.00	1	05/14/2025 16:17	WG2514719
Xylenes, Total	ND		3.00	1	05/14/2025 16:17	WG2514719
(S) Toluene-d8	103		80.0-120		05/14/2025 16:17	WG2514719
(S) 4-Bromofluorobenzene	96.8		77.0-126		05/14/2025 16:17	WG2514719
(S) 1,2-Dichloroethane-d4	108		70.0-130		05/14/2025 16:17	WG2514719

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

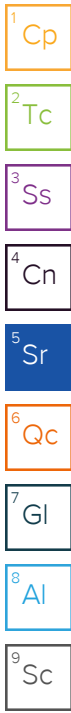
7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Total Nitrogen	19100		500	1	05/15/2025 10:01	WG2514860



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	3220000		50000	1	05/14/2025 14:22	WG2514821

Gravimetric Analysis by Method 2540 D-2020

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	85000		31300	1	05/14/2025 14:31	WG2514805

Wet Chemistry by Method 130.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hardness (colorimetric) as CaCO3	1580000		150000	5	05/14/2025 23:10	WG2514766

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Alkalinity	534000		20000	1	05/14/2025 14:45	WG2514868

Sample Narrative:

L1858461-07 WG2514868: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Bromide	ND		5000	5	05/14/2025 15:40	WG2514721
Chloride	152000		5000	5	05/14/2025 15:40	WG2514721
Fluoride	1290		750	5	05/14/2025 15:40	WG2514721
Nitrate as (N)	4940		500	5	05/14/2025 15:40	WG2514721
Nitrite as (N)	555		500	5	05/14/2025 15:40	WG2514721
Sulfate	1600000		250000	50	05/14/2025 15:52	WG2514721

Sample Narrative:

L1858461-07 WG2514721: Dilution due to matrix impact on instrumentation at lower dilution

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	4230		100	1	05/14/2025 16:55	WG2514876

Wet Chemistry by Method 351.2

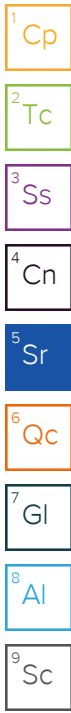
Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	13600		1000	4	05/15/2025 10:01	WG2514860

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	980		100	1	05/15/2025 12:03	WG2515562

Wet Chemistry by Method 5310 B-2014

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	36700		1000	1	05/14/2025 16:36	WG2514781



Wet Chemistry by Method 5540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
MBAS	114		100	1	05/14/2025 17:27	WG2514880

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.500	1	05/15/2025 04:00	WG2514819

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.11	<u>T8</u>	1	05/14/2025 15:30	WG2515017

Sample Narrative:

L1858461-07 WG2515017: 8.11 at 21.6C

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	05/14/2025 18:01	WG2514830

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Aluminum	ND		100	1	05/14/2025 15:43	WG2514804
Aluminum,Dissolved	ND		100	1	05/14/2025 15:53	WG2514803
Antimony	ND		4.00	1	05/14/2025 15:43	WG2514804
Arsenic	3.22		2.00	1	05/14/2025 15:43	WG2514804
Arsenic,Dissolved	2.47		2.00	1	05/14/2025 15:53	WG2514803
Barium	45.4		2.00	1	05/14/2025 15:43	WG2514804
Beryllium	ND		2.00	1	05/14/2025 15:43	WG2514804
Boron	595		150	5	05/14/2025 14:43	WG2514804
Cadmium	ND		1.00	1	05/14/2025 15:43	WG2514804
Cadmium,Dissolved	ND		1.00	1	05/14/2025 15:53	WG2514803
Calcium	307000		1000	1	05/14/2025 15:43	WG2514804
Chromium	ND		2.00	1	05/14/2025 15:43	WG2514804
Chromium,Dissolved	ND		2.00	1	05/14/2025 15:53	WG2514803
Copper	16.2		5.00	1	05/14/2025 15:43	WG2514804
Copper,Dissolved	10.9		5.00	1	05/14/2025 15:53	WG2514803
Cobalt	5.17		2.00	1	05/14/2025 15:43	WG2514804
Iron	435		100	1	05/14/2025 15:43	WG2514804
Lead	ND		2.00	1	05/14/2025 15:43	WG2514804
Lead,Dissolved	ND		2.00	1	05/14/2025 15:53	WG2514803
Magnesium	191000		1000	1	05/14/2025 15:43	WG2514804
Manganese	2070		5.00	1	05/14/2025 15:43	WG2514804
Manganese,Dissolved	2030		5.00	1	05/14/2025 15:53	WG2514803
Nickel	9.65		2.00	1	05/14/2025 15:43	WG2514804
Nickel,Dissolved	8.90		2.00	1	05/14/2025 15:53	WG2514803
Potassium	38900		2000	1	05/14/2025 15:43	WG2514804
Selenium	11.1		2.00	1	05/14/2025 15:43	WG2514804

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Selenium,Dissolved	11.0		2.00	1	05/14/2025 15:53	WG2514803
Silver	ND		2.00	1	05/14/2025 15:43	WG2514804
Silver,Dissolved	ND		2.00	1	05/14/2025 15:53	WG2514803
Sodium	358000		2000	1	05/14/2025 15:43	WG2514804
Thallium	ND		2.00	1	05/14/2025 15:43	WG2514804
Vanadium	ND		5.00	1	05/14/2025 15:43	WG2514804
Zinc	49.6		25.0	1	05/14/2025 15:43	WG2514804
Zinc,Dissolved	ND	J4	25.0	1	05/14/2025 15:53	WG2514803

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
TPH (GC/FID) Low Fraction	ND		100	1	05/14/2025 15:04	WG2514842
(S) a, a, a-Trifluorotoluene(FID)	101		78.0-120		05/14/2025 15:04	WG2514842

6 Qc

7 Gl

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND	C3	50.0	1	05/14/2025 18:47	WG2514719
Acrolein	ND		50.0	1	05/14/2025 18:47	WG2514719
Acrylonitrile	ND		10.0	1	05/14/2025 18:47	WG2514719
Benzene	ND		1.00	1	05/14/2025 18:47	WG2514719
Bromobenzene	ND		1.00	1	05/14/2025 18:47	WG2514719
Bromodichloromethane	ND		1.00	1	05/14/2025 18:47	WG2514719
Bromoform	ND	C3	1.00	1	05/14/2025 18:47	WG2514719
Bromomethane	ND	C3	5.00	1	05/14/2025 18:47	WG2514719
n-Butylbenzene	ND		1.00	1	05/14/2025 18:47	WG2514719
sec-Butylbenzene	ND		1.00	1	05/14/2025 18:47	WG2514719
tert-Butylbenzene	ND		1.00	1	05/14/2025 18:47	WG2514719
Carbon tetrachloride	ND		1.00	1	05/14/2025 18:47	WG2514719
Chlorobenzene	ND		1.00	1	05/14/2025 18:47	WG2514719
Chlorodibromomethane	ND		1.00	1	05/14/2025 18:47	WG2514719
Chloroethane	ND		5.00	1	05/14/2025 18:47	WG2514719
Chloroform	ND		5.00	1	05/14/2025 18:47	WG2514719
Chloromethane	ND		2.50	1	05/14/2025 18:47	WG2514719
2-Chlorotoluene	ND		1.00	1	05/14/2025 18:47	WG2514719
4-Chlorotoluene	ND		1.00	1	05/14/2025 18:47	WG2514719
1,2-Dibromo-3-Chloropropane	ND	C3	5.00	1	05/14/2025 18:47	WG2514719
1,2-Dibromoethane	ND		1.00	1	05/14/2025 18:47	WG2514719
Dibromomethane	ND		1.00	1	05/14/2025 18:47	WG2514719
1,2-Dichlorobenzene	ND		1.00	1	05/14/2025 18:47	WG2514719
1,3-Dichlorobenzene	ND		1.00	1	05/14/2025 18:47	WG2514719
1,4-Dichlorobenzene	ND		1.00	1	05/14/2025 18:47	WG2514719
Dichlorodifluoromethane	ND		5.00	1	05/14/2025 18:47	WG2514719
1,1-Dichloroethane	ND		1.00	1	05/14/2025 18:47	WG2514719
1,2-Dichloroethane	ND		1.00	1	05/14/2025 18:47	WG2514719
1,1-Dichloroethene	ND		1.00	1	05/14/2025 18:47	WG2514719
cis-1,2-Dichloroethene	ND		1.00	1	05/14/2025 18:47	WG2514719
trans-1,2-Dichloroethene	ND		1.00	1	05/14/2025 18:47	WG2514719
1,2-Dichloropropane	ND		1.00	1	05/14/2025 18:47	WG2514719
1,1-Dichloropropene	ND		1.00	1	05/14/2025 18:47	WG2514719
1,3-Dichloropropane	ND		1.00	1	05/14/2025 18:47	WG2514719
cis-1,3-Dichloropropene	ND		1.00	1	05/14/2025 18:47	WG2514719
trans-1,3-Dichloropropene	ND		1.00	1	05/14/2025 18:47	WG2514719
2,2-Dichloropropane	ND		1.00	1	05/14/2025 18:47	WG2514719

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Di-isopropyl ether	ND		1.00	1	05/14/2025 18:47	WG2514719
Ethylbenzene	ND		1.00	1	05/14/2025 18:47	WG2514719
Hexachloro-1,3-butadiene	ND		1.00	1	05/14/2025 18:47	WG2514719
Isopropylbenzene	ND		1.00	1	05/14/2025 18:47	WG2514719
p-Isopropyltoluene	ND		1.00	1	05/14/2025 18:47	WG2514719
2-Butanone (MEK)	ND		10.0	1	05/14/2025 18:47	WG2514719
Methylene Chloride	ND		5.00	1	05/14/2025 18:47	WG2514719
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/14/2025 18:47	WG2514719
Methyl tert-butyl ether	ND		1.00	1	05/14/2025 18:47	WG2514719
Naphthalene	ND	C3	5.00	1	05/14/2025 18:47	WG2514719
n-Propylbenzene	ND		1.00	1	05/14/2025 18:47	WG2514719
Styrene	ND		1.00	1	05/14/2025 18:47	WG2514719
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/14/2025 18:47	WG2514719
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/14/2025 18:47	WG2514719
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/14/2025 18:47	WG2514719
Tetrachloroethene	ND		1.00	1	05/14/2025 18:47	WG2514719
Toluene	ND		1.00	1	05/14/2025 18:47	WG2514719
1,2,3-Trichlorobenzene	ND	C3	1.00	1	05/14/2025 18:47	WG2514719
1,2,4-Trichlorobenzene	ND	C3	1.00	1	05/14/2025 18:47	WG2514719
1,1,1-Trichloroethane	ND		1.00	1	05/14/2025 18:47	WG2514719
1,1,2-Trichloroethane	ND		1.00	1	05/14/2025 18:47	WG2514719
Trichloroethene	ND		1.00	1	05/14/2025 18:47	WG2514719
Trichlorofluoromethane	ND		5.00	1	05/14/2025 18:47	WG2514719
1,2,3-Trichloropropane	ND		2.50	1	05/14/2025 18:47	WG2514719
1,2,4-Trimethylbenzene	ND		1.00	1	05/14/2025 18:47	WG2514719
1,2,3-Trimethylbenzene	ND		1.00	1	05/14/2025 18:47	WG2514719
1,3,5-Trimethylbenzene	ND		1.00	1	05/14/2025 18:47	WG2514719
Vinyl chloride	ND		1.00	1	05/14/2025 18:47	WG2514719
Xylenes, Total	ND		3.00	1	05/14/2025 18:47	WG2514719
(S) Toluene-d8	102		80.0-120		05/14/2025 18:47	WG2514719
(S) 4-Bromofluorobenzene	93.9		77.0-126		05/14/2025 18:47	WG2514719
(S) 1,2-Dichloroethane-d4	111		70.0-130		05/14/2025 18:47	WG2514719

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	357		200	2	05/15/2025 00:34	WG2514785
C28-C36 Motor Oil Range	2280		200	2	05/15/2025 00:34	WG2514785
(S) o-Terphenyl	104		52.0-156		05/15/2025 00:34	WG2514785

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acenaphthene	ND		1.00	1	05/15/2025 00:12	WG2514778
Acenaphthylene	ND		1.00	1	05/15/2025 00:12	WG2514778
Anthracene	ND		1.00	1	05/15/2025 00:12	WG2514778
Benidine	ND	J4	10.0	1	05/15/2025 00:12	WG2514778
Benzo(a)anthracene	ND		1.00	1	05/15/2025 00:12	WG2514778
Benzo(b)fluoranthene	ND		1.00	1	05/15/2025 00:12	WG2514778
Benzo(k)fluoranthene	ND		1.00	1	05/15/2025 00:12	WG2514778
Benzo(g,h,i)perylene	ND		1.00	1	05/15/2025 00:12	WG2514778
Benzo(a)pyrene	ND		1.00	1	05/15/2025 00:12	WG2514778
Bis(2-chloroethoxy)methane	ND		10.0	1	05/15/2025 00:12	WG2514778
Bis(2-chloroethyl)ether	ND		10.0	1	05/15/2025 00:12	WG2514778
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	05/15/2025 00:12	WG2514778

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4-Bromophenyl-phenylether	ND		10.0	1	05/15/2025 00:12	WG2514778
2-Chloronaphthalene	ND		1.00	1	05/15/2025 00:12	WG2514778
4-Chlorophenyl-phenylether	ND		10.0	1	05/15/2025 00:12	WG2514778
Chrysene	ND		1.00	1	05/15/2025 00:12	WG2514778
Dibenz(a,h)anthracene	ND		1.00	1	05/15/2025 00:12	WG2514778
1,2-Dichlorobenzene	ND		10.0	1	05/15/2025 00:12	WG2514778
1,3-Dichlorobenzene	ND		10.0	1	05/15/2025 00:12	WG2514778
1,4-Dichlorobenzene	ND		10.0	1	05/15/2025 00:12	WG2514778
3,3-Dichlorobenzidine	ND		10.0	1	05/15/2025 00:12	WG2514778
2,4-Dinitrotoluene	ND		10.0	1	05/15/2025 00:12	WG2514778
2,6-Dinitrotoluene	ND		10.0	1	05/15/2025 00:12	WG2514778
Fluoranthene	ND		1.00	1	05/15/2025 00:12	WG2514778
Fluorene	ND		1.00	1	05/15/2025 00:12	WG2514778
Hexachlorobenzene	ND		1.00	1	05/15/2025 00:12	WG2514778
Hexachloro-1,3-butadiene	ND		10.0	1	05/15/2025 00:12	WG2514778
Hexachlorocyclopentadiene	ND		10.0	1	05/15/2025 00:12	WG2514778
Hexachloroethane	ND		10.0	1	05/15/2025 00:12	WG2514778
Indeno(1,2,3-cd)pyrene	ND		1.00	1	05/15/2025 00:12	WG2514778
Isophorone	ND		10.0	1	05/15/2025 00:12	WG2514778
1-Methylnaphthalene	ND		1.00	1	05/15/2025 00:12	WG2514778
2-Methylnaphthalene	ND		1.00	1	05/15/2025 00:12	WG2514778
Naphthalene	ND		1.00	1	05/15/2025 00:12	WG2514778
Nitrobenzene	ND		10.0	1	05/15/2025 00:12	WG2514778
n-Nitrosodimethylamine	ND		10.0	1	05/15/2025 00:12	WG2514778
n-Nitrosodiphenylamine	ND		10.0	1	05/15/2025 00:12	WG2514778
n-Nitrosodi-n-propylamine	ND		10.0	1	05/15/2025 00:12	WG2514778
Phenanthrene	ND		1.00	1	05/15/2025 00:12	WG2514778
Benzylbutyl phthalate	ND		3.00	1	05/15/2025 00:12	WG2514778
Bis(2-ethylhexyl)phthalate	ND		3.00	1	05/15/2025 00:12	WG2514778
Di-n-butyl phthalate	ND		3.00	1	05/15/2025 00:12	WG2514778
Diethyl phthalate	ND		3.00	1	05/15/2025 00:12	WG2514778
Dimethyl phthalate	ND		3.00	1	05/15/2025 00:12	WG2514778
Di-n-octyl phthalate	ND		3.00	1	05/15/2025 00:12	WG2514778
Pyrene	ND		1.00	1	05/15/2025 00:12	WG2514778
1,2,4-Trichlorobenzene	ND		10.0	1	05/15/2025 00:12	WG2514778
4-Chloro-3-methylphenol	ND		10.0	1	05/15/2025 00:12	WG2514778
2-Chlorophenol	ND		10.0	1	05/15/2025 00:12	WG2514778
2,4-Dichlorophenol	ND		10.0	1	05/15/2025 00:12	WG2514778
2,4-Dimethylphenol	ND		10.0	1	05/15/2025 00:12	WG2514778
4,6-Dinitro-2-methylphenol	ND		10.0	1	05/15/2025 00:12	WG2514778
2,4-Dinitrophenol	ND		10.0	1	05/15/2025 00:12	WG2514778
2-Nitrophenol	ND		10.0	1	05/15/2025 00:12	WG2514778
4-Nitrophenol	ND		10.0	1	05/15/2025 00:12	WG2514778
Pentachlorophenol	ND		10.0	1	05/15/2025 00:12	WG2514778
Phenol	ND		10.0	1	05/15/2025 00:12	WG2514778
2,4,6-Trichlorophenol	ND		10.0	1	05/15/2025 00:12	WG2514778
(S) 2-Fluorophenol	35.8		10.0-120		05/15/2025 00:12	WG2514778
(S) Phenol-d5	28.3		10.0-120		05/15/2025 00:12	WG2514778
(S) Nitrobenzene-d5	54.8		10.0-127		05/15/2025 00:12	WG2514778
(S) 2-Fluorobiphenyl	50.0		10.0-130		05/15/2025 00:12	WG2514778
(S) 2,4,6-Tribromophenol	47.3		10.0-155		05/15/2025 00:12	WG2514778
(S) p-Terphenyl-d14	48.4		10.0-128		05/15/2025 00:12	WG2514778

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	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND	C3	50.0	1	05/14/2025 16:39	WG2514719
Acrolein	ND		50.0	1	05/14/2025 16:39	WG2514719
Acrylonitrile	ND		10.0	1	05/14/2025 16:39	WG2514719
Benzene	ND		1.00	1	05/14/2025 16:39	WG2514719
Bromobenzene	ND		1.00	1	05/14/2025 16:39	WG2514719
Bromodichloromethane	ND		1.00	1	05/14/2025 16:39	WG2514719
Bromoform	ND	C3	1.00	1	05/14/2025 16:39	WG2514719
Bromomethane	ND	C3	5.00	1	05/14/2025 16:39	WG2514719
n-Butylbenzene	ND		1.00	1	05/14/2025 16:39	WG2514719
sec-Butylbenzene	ND		1.00	1	05/14/2025 16:39	WG2514719
tert-Butylbenzene	ND		1.00	1	05/14/2025 16:39	WG2514719
Carbon tetrachloride	ND		1.00	1	05/14/2025 16:39	WG2514719
Chlorobenzene	ND		1.00	1	05/14/2025 16:39	WG2514719
Chlorodibromomethane	ND		1.00	1	05/14/2025 16:39	WG2514719
Chloroethane	ND		5.00	1	05/14/2025 16:39	WG2514719
Chloroform	ND		5.00	1	05/14/2025 16:39	WG2514719
Chloromethane	ND		2.50	1	05/14/2025 16:39	WG2514719
2-Chlorotoluene	ND		1.00	1	05/14/2025 16:39	WG2514719
4-Chlorotoluene	ND		1.00	1	05/14/2025 16:39	WG2514719
1,2-Dibromo-3-Chloropropane	ND	C3	5.00	1	05/14/2025 16:39	WG2514719
1,2-Dibromoethane	ND		1.00	1	05/14/2025 16:39	WG2514719
Dibromomethane	ND		1.00	1	05/14/2025 16:39	WG2514719
1,2-Dichlorobenzene	ND		1.00	1	05/14/2025 16:39	WG2514719
1,3-Dichlorobenzene	ND		1.00	1	05/14/2025 16:39	WG2514719
1,4-Dichlorobenzene	ND		1.00	1	05/14/2025 16:39	WG2514719
Dichlorodifluoromethane	ND		5.00	1	05/14/2025 16:39	WG2514719
1,1-Dichloroethane	ND		1.00	1	05/14/2025 16:39	WG2514719
1,2-Dichloroethane	ND		1.00	1	05/14/2025 16:39	WG2514719
1,1-Dichloroethene	ND		1.00	1	05/14/2025 16:39	WG2514719
cis-1,2-Dichloroethene	ND		1.00	1	05/14/2025 16:39	WG2514719
trans-1,2-Dichloroethene	ND		1.00	1	05/14/2025 16:39	WG2514719
1,2-Dichloropropane	ND		1.00	1	05/14/2025 16:39	WG2514719
1,1-Dichloropropene	ND		1.00	1	05/14/2025 16:39	WG2514719
1,3-Dichloropropane	ND		1.00	1	05/14/2025 16:39	WG2514719
cis-1,3-Dichloropropene	ND		1.00	1	05/14/2025 16:39	WG2514719
trans-1,3-Dichloropropene	ND		1.00	1	05/14/2025 16:39	WG2514719
2,2-Dichloropropane	ND		1.00	1	05/14/2025 16:39	WG2514719
Di-isopropyl ether	ND		1.00	1	05/14/2025 16:39	WG2514719
Ethylbenzene	ND		1.00	1	05/14/2025 16:39	WG2514719
Hexachloro-1,3-butadiene	ND		1.00	1	05/14/2025 16:39	WG2514719
Isopropylbenzene	ND		1.00	1	05/14/2025 16:39	WG2514719
p-Isopropyltoluene	ND		1.00	1	05/14/2025 16:39	WG2514719
2-Butanone (MEK)	ND		10.0	1	05/14/2025 16:39	WG2514719
Methylene Chloride	ND		5.00	1	05/14/2025 16:39	WG2514719
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/14/2025 16:39	WG2514719
Methyl tert-butyl ether	ND		1.00	1	05/14/2025 16:39	WG2514719
Naphthalene	ND	C3	5.00	1	05/14/2025 16:39	WG2514719
n-Propylbenzene	ND		1.00	1	05/14/2025 16:39	WG2514719
Styrene	ND		1.00	1	05/14/2025 16:39	WG2514719
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/14/2025 16:39	WG2514719
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/14/2025 16:39	WG2514719
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/14/2025 16:39	WG2514719
Tetrachloroethene	ND		1.00	1	05/14/2025 16:39	WG2514719
Toluene	ND		1.00	1	05/14/2025 16:39	WG2514719
1,2,3-Trichlorobenzene	ND	C3	1.00	1	05/14/2025 16:39	WG2514719
1,2,4-Trichlorobenzene	ND	C3	1.00	1	05/14/2025 16:39	WG2514719

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 ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		1.00	1	05/14/2025 16:39	WG2514719
1,1,2-Trichloroethane	ND		1.00	1	05/14/2025 16:39	WG2514719
Trichloroethene	ND		1.00	1	05/14/2025 16:39	WG2514719
Trichlorofluoromethane	ND		5.00	1	05/14/2025 16:39	WG2514719
1,2,3-Trichloropropane	ND		2.50	1	05/14/2025 16:39	WG2514719
1,2,4-Trimethylbenzene	ND		1.00	1	05/14/2025 16:39	WG2514719
1,2,3-Trimethylbenzene	ND		1.00	1	05/14/2025 16:39	WG2514719
1,3,5-Trimethylbenzene	ND		1.00	1	05/14/2025 16:39	WG2514719
Vinyl chloride	ND		1.00	1	05/14/2025 16:39	WG2514719
Xylenes, Total	ND		3.00	1	05/14/2025 16:39	WG2514719
(S) Toluene-d8	105		80.0-120		05/14/2025 16:39	WG2514719
(S) 4-Bromofluorobenzene	98.7		77.0-126		05/14/2025 16:39	WG2514719
(S) 1,2-Dichloroethane-d4	108		70.0-130		05/14/2025 16:39	WG2514719

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Calculated Results

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Total Nitrogen	7170		250	1	05/15/2025 10:02	WG2514860

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1320000		20000	1	05/14/2025 14:22	WG2514821

Gravimetric Analysis by Method 2540 D-2020

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	253000		27800	1	05/14/2025 14:31	WG2514805

Wet Chemistry by Method 130.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hardness (colorimetric) as CaCO3	725000		150000	5	05/14/2025 23:12	WG2514766

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Alkalinity	229000		20000	1	05/14/2025 14:49	WG2514868

Sample Narrative:

L1858461-09 WG2514868: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Bromide	ND		5000	5	05/14/2025 16:30	WG2514721
Chloride	65000		5000	5	05/14/2025 16:30	WG2514721
Fluoride	1370		750	5	05/14/2025 16:30	WG2514721
Nitrate as (N)	1740		500	5	05/14/2025 16:30	WG2514721
Nitrite as (N)	ND		500	5	05/14/2025 16:30	WG2514721
Sulfate	641000		250000	50	05/14/2025 16:43	WG2514721

Sample Narrative:

L1858461-09 WG2514721: Dilution due to matrix impact on instrumentation at lower dilution

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	704		100	1	05/14/2025 16:57	WG2514876

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	5430		250	1	05/15/2025 10:02	WG2514860

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	1410		100	1	05/15/2025 12:07	WG2515562



Wet Chemistry by Method 5310 B-2014

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	12400		1000	1	05/14/2025 16:58	WG2514781

Wet Chemistry by Method 5540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
MBAS	305		100	1	05/14/2025 17:28	WG2514880

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.500	1	05/15/2025 04:13	WG2514819

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	7.95	<u>T8</u>	1	05/14/2025 15:30	WG2515017

Sample Narrative:

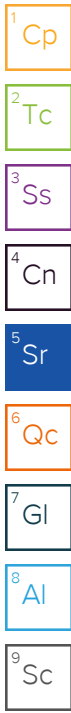
L1858461-09 WG2515017: 7.95 at 21.2C

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	05/14/2025 18:04	WG2514830

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Aluminum	4930		500	5	05/14/2025 14:46	WG2514804
Aluminum,Dissolved	ND		100	1	05/14/2025 15:56	WG2514803
Antimony	ND		4.00	1	05/14/2025 15:59	WG2514804
Arsenic	6.68		2.00	1	05/14/2025 15:59	WG2514804
Arsenic,Dissolved	4.64		2.00	1	05/14/2025 15:56	WG2514803
Barium	112		2.00	1	05/14/2025 15:59	WG2514804
Beryllium	ND		2.00	1	05/14/2025 15:59	WG2514804
Boron	292		30.0	1	05/14/2025 15:59	WG2514804
Cadmium	ND		1.00	1	05/14/2025 15:59	WG2514804
Cadmium,Dissolved	ND		1.00	1	05/14/2025 15:56	WG2514803
Calcium	141000		1000	1	05/14/2025 15:59	WG2514804
Chromium	4.64		2.00	1	05/14/2025 15:59	WG2514804
Chromium,Dissolved	ND		2.00	1	05/14/2025 15:56	WG2514803
Copper	9.69		5.00	1	05/14/2025 15:59	WG2514804
Copper,Dissolved	ND		5.00	1	05/14/2025 15:56	WG2514803
Cobalt	3.41		2.00	1	05/14/2025 15:59	WG2514804
Iron	4920		500	5	05/14/2025 14:46	WG2514804
Lead	5.12		2.00	1	05/14/2025 15:59	WG2514804
Lead,Dissolved	ND		2.00	1	05/14/2025 15:56	WG2514803
Magnesium	91000		1000	1	05/14/2025 15:59	WG2514804
Manganese	806		5.00	1	05/14/2025 15:59	WG2514804
Manganese,Dissolved	580		5.00	1	05/14/2025 15:56	WG2514803
Nickel	7.00		2.00	1	05/14/2025 15:59	WG2514804
Nickel,Dissolved	3.08		2.00	1	05/14/2025 15:56	WG2514803
Potassium	15700		2000	1	05/14/2025 15:59	WG2514804
Selenium	3.97		2.00	1	05/14/2025 15:59	WG2514804



Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Selenium,Dissolved	2.97		2.00	1	05/14/2025 15:56	WG2514803
Silver	ND		2.00	1	05/14/2025 15:59	WG2514804
Silver,Dissolved	ND		2.00	1	05/14/2025 15:56	WG2514803
Sodium	127000		2000	1	05/14/2025 15:59	WG2514804
Thallium	ND		2.00	1	05/14/2025 15:59	WG2514804
Vanadium	15.7		5.00	1	05/14/2025 15:59	WG2514804
Zinc	48.1		25.0	1	05/14/2025 15:59	WG2514804
Zinc,Dissolved	ND	J4	25.0	1	05/14/2025 15:56	WG2514803

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

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		100	1	05/14/2025 15:25	WG2514842
(S) a, a, a-Trifluorotoluene(FID)	101		78.0-120		05/14/2025 15:25	WG2514842

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Acetone	ND	C3	50.0	1	05/14/2025 19:08	WG2514719
Acrolein	ND		50.0	1	05/14/2025 19:08	WG2514719
Acrylonitrile	ND		10.0	1	05/14/2025 19:08	WG2514719
Benzene	ND		1.00	1	05/14/2025 19:08	WG2514719
Bromobenzene	ND		1.00	1	05/14/2025 19:08	WG2514719
Bromodichloromethane	ND		1.00	1	05/14/2025 19:08	WG2514719
Bromoform	ND	C3	1.00	1	05/14/2025 19:08	WG2514719
Bromomethane	ND	C3	5.00	1	05/14/2025 19:08	WG2514719
n-Butylbenzene	ND		1.00	1	05/14/2025 19:08	WG2514719
sec-Butylbenzene	ND		1.00	1	05/14/2025 19:08	WG2514719
tert-Butylbenzene	ND		1.00	1	05/14/2025 19:08	WG2514719
Carbon tetrachloride	ND		1.00	1	05/14/2025 19:08	WG2514719
Chlorobenzene	ND		1.00	1	05/14/2025 19:08	WG2514719
Chlorodibromomethane	ND		1.00	1	05/14/2025 19:08	WG2514719
Chloroethane	ND		5.00	1	05/14/2025 19:08	WG2514719
Chloroform	ND		5.00	1	05/14/2025 19:08	WG2514719
Chloromethane	ND		2.50	1	05/14/2025 19:08	WG2514719
2-Chlorotoluene	ND		1.00	1	05/14/2025 19:08	WG2514719
4-Chlorotoluene	ND		1.00	1	05/14/2025 19:08	WG2514719
1,2-Dibromo-3-Chloropropane	ND	C3	5.00	1	05/14/2025 19:08	WG2514719
1,2-Dibromoethane	ND		1.00	1	05/14/2025 19:08	WG2514719
Dibromomethane	ND		1.00	1	05/14/2025 19:08	WG2514719
1,2-Dichlorobenzene	ND		1.00	1	05/14/2025 19:08	WG2514719
1,3-Dichlorobenzene	ND		1.00	1	05/14/2025 19:08	WG2514719
1,4-Dichlorobenzene	ND		1.00	1	05/14/2025 19:08	WG2514719
Dichlorodifluoromethane	ND		5.00	1	05/14/2025 19:08	WG2514719
1,1-Dichloroethane	ND		1.00	1	05/14/2025 19:08	WG2514719
1,2-Dichloroethane	ND		1.00	1	05/14/2025 19:08	WG2514719
1,1-Dichloroethene	ND		1.00	1	05/14/2025 19:08	WG2514719
cis-1,2-Dichloroethene	ND		1.00	1	05/14/2025 19:08	WG2514719
trans-1,2-Dichloroethene	ND		1.00	1	05/14/2025 19:08	WG2514719
1,2-Dichloropropane	ND		1.00	1	05/14/2025 19:08	WG2514719
1,1-Dichloropropene	ND		1.00	1	05/14/2025 19:08	WG2514719
1,3-Dichloropropane	ND		1.00	1	05/14/2025 19:08	WG2514719
cis-1,3-Dichloropropene	ND		1.00	1	05/14/2025 19:08	WG2514719
trans-1,3-Dichloropropene	ND		1.00	1	05/14/2025 19:08	WG2514719
2,2-Dichloropropane	ND		1.00	1	05/14/2025 19:08	WG2514719

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Di-isopropyl ether	ND		1.00	1	05/14/2025 19:08	WG2514719
Ethylbenzene	ND		1.00	1	05/14/2025 19:08	WG2514719
Hexachloro-1,3-butadiene	ND		1.00	1	05/14/2025 19:08	WG2514719
Isopropylbenzene	ND		1.00	1	05/14/2025 19:08	WG2514719
p-Isopropyltoluene	ND		1.00	1	05/14/2025 19:08	WG2514719
2-Butanone (MEK)	ND		10.0	1	05/14/2025 19:08	WG2514719
Methylene Chloride	ND		5.00	1	05/14/2025 19:08	WG2514719
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/14/2025 19:08	WG2514719
Methyl tert-butyl ether	ND		1.00	1	05/14/2025 19:08	WG2514719
Naphthalene	ND	C3	5.00	1	05/14/2025 19:08	WG2514719
n-Propylbenzene	ND		1.00	1	05/14/2025 19:08	WG2514719
Styrene	ND		1.00	1	05/14/2025 19:08	WG2514719
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/14/2025 19:08	WG2514719
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/14/2025 19:08	WG2514719
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/14/2025 19:08	WG2514719
Tetrachloroethene	ND		1.00	1	05/14/2025 19:08	WG2514719
Toluene	ND		1.00	1	05/14/2025 19:08	WG2514719
1,2,3-Trichlorobenzene	ND	C3	1.00	1	05/14/2025 19:08	WG2514719
1,2,4-Trichlorobenzene	ND	C3	1.00	1	05/14/2025 19:08	WG2514719
1,1,1-Trichloroethane	ND		1.00	1	05/14/2025 19:08	WG2514719
1,1,2-Trichloroethane	ND		1.00	1	05/14/2025 19:08	WG2514719
Trichloroethene	ND		1.00	1	05/14/2025 19:08	WG2514719
Trichlorofluoromethane	ND		5.00	1	05/14/2025 19:08	WG2514719
1,2,3-Trichloropropane	ND		2.50	1	05/14/2025 19:08	WG2514719
1,2,4-Trimethylbenzene	ND		1.00	1	05/14/2025 19:08	WG2514719
1,2,3-Trimethylbenzene	ND		1.00	1	05/14/2025 19:08	WG2514719
1,3,5-Trimethylbenzene	ND		1.00	1	05/14/2025 19:08	WG2514719
Vinyl chloride	ND		1.00	1	05/14/2025 19:08	WG2514719
Xylenes, Total	ND		3.00	1	05/14/2025 19:08	WG2514719
(S) Toluene-d8	100		80.0-120		05/14/2025 19:08	WG2514719
(S) 4-Bromofluorobenzene	94.3		77.0-126		05/14/2025 19:08	WG2514719
(S) 1,2-Dichloroethane-d4	109		70.0-130		05/14/2025 19:08	WG2514719

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	413		100	1	05/14/2025 21:08	WG2514785
C28-C36 Motor Oil Range	548		100	1	05/14/2025 21:08	WG2514785
(S) o-Terphenyl	131		52.0-156		05/14/2025 21:08	WG2514785

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acenaphthene	ND		1.00	1	05/14/2025 23:50	WG2514778
Acenaphthylene	ND		1.00	1	05/14/2025 23:50	WG2514778
Anthracene	ND		1.00	1	05/14/2025 23:50	WG2514778
Benidine	ND	J4	10.0	1	05/14/2025 23:50	WG2514778
Benzo(a)anthracene	ND		1.00	1	05/14/2025 23:50	WG2514778
Benzo(b)fluoranthene	ND		1.00	1	05/14/2025 23:50	WG2514778
Benzo(k)fluoranthene	ND		1.00	1	05/14/2025 23:50	WG2514778
Benzo(g,h,i)perylene	ND		1.00	1	05/14/2025 23:50	WG2514778
Benzo(a)pyrene	ND		1.00	1	05/14/2025 23:50	WG2514778
Bis(2-chloroethoxy)methane	ND		10.0	1	05/14/2025 23:50	WG2514778
Bis(2-chloroethyl)ether	ND		10.0	1	05/14/2025 23:50	WG2514778
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	05/14/2025 23:50	WG2514778

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4-Bromophenyl-phenylether	ND		10.0	1	05/14/2025 23:50	WG2514778
2-Chloronaphthalene	ND		1.00	1	05/14/2025 23:50	WG2514778
4-Chlorophenyl-phenylether	ND		10.0	1	05/14/2025 23:50	WG2514778
Chrysene	ND		1.00	1	05/14/2025 23:50	WG2514778
Dibenz(a,h)anthracene	ND		1.00	1	05/14/2025 23:50	WG2514778
1,2-Dichlorobenzene	ND		10.0	1	05/14/2025 23:50	WG2514778
1,3-Dichlorobenzene	ND		10.0	1	05/14/2025 23:50	WG2514778
1,4-Dichlorobenzene	ND		10.0	1	05/14/2025 23:50	WG2514778
3,3-Dichlorobenzidine	ND		10.0	1	05/14/2025 23:50	WG2514778
2,4-Dinitrotoluene	ND		10.0	1	05/14/2025 23:50	WG2514778
2,6-Dinitrotoluene	ND		10.0	1	05/14/2025 23:50	WG2514778
Fluoranthene	ND		1.00	1	05/14/2025 23:50	WG2514778
Fluorene	ND		1.00	1	05/14/2025 23:50	WG2514778
Hexachlorobenzene	ND		1.00	1	05/14/2025 23:50	WG2514778
Hexachloro-1,3-butadiene	ND		10.0	1	05/14/2025 23:50	WG2514778
Hexachlorocyclopentadiene	ND		10.0	1	05/14/2025 23:50	WG2514778
Hexachloroethane	ND		10.0	1	05/14/2025 23:50	WG2514778
Indeno(1,2,3-cd)pyrene	ND		1.00	1	05/14/2025 23:50	WG2514778
Isophorone	ND		10.0	1	05/14/2025 23:50	WG2514778
1-Methylnaphthalene	ND		1.00	1	05/14/2025 23:50	WG2514778
2-Methylnaphthalene	ND		1.00	1	05/14/2025 23:50	WG2514778
Naphthalene	ND		1.00	1	05/14/2025 23:50	WG2514778
Nitrobenzene	ND		10.0	1	05/14/2025 23:50	WG2514778
n-Nitrosodimethylamine	ND		10.0	1	05/14/2025 23:50	WG2514778
n-Nitrosodiphenylamine	ND		10.0	1	05/14/2025 23:50	WG2514778
n-Nitrosodi-n-propylamine	ND		10.0	1	05/14/2025 23:50	WG2514778
Phenanthrene	ND		1.00	1	05/14/2025 23:50	WG2514778
Benzylbutyl phthalate	ND		3.00	1	05/14/2025 23:50	WG2514778
Bis(2-ethylhexyl)phthalate	ND		3.00	1	05/14/2025 23:50	WG2514778
Di-n-butyl phthalate	ND		3.00	1	05/14/2025 23:50	WG2514778
Diethyl phthalate	ND		3.00	1	05/14/2025 23:50	WG2514778
Dimethyl phthalate	ND		3.00	1	05/14/2025 23:50	WG2514778
Di-n-octyl phthalate	ND		3.00	1	05/14/2025 23:50	WG2514778
Pyrene	ND		1.00	1	05/14/2025 23:50	WG2514778
1,2,4-Trichlorobenzene	ND		10.0	1	05/14/2025 23:50	WG2514778
4-Chloro-3-methylphenol	ND		10.0	1	05/14/2025 23:50	WG2514778
2-Chlorophenol	ND		10.0	1	05/14/2025 23:50	WG2514778
2,4-Dichlorophenol	ND		10.0	1	05/14/2025 23:50	WG2514778
2,4-Dimethylphenol	ND		10.0	1	05/14/2025 23:50	WG2514778
4,6-Dinitro-2-methylphenol	ND		10.0	1	05/14/2025 23:50	WG2514778
2,4-Dinitrophenol	ND		10.0	1	05/14/2025 23:50	WG2514778
2-Nitrophenol	ND		10.0	1	05/14/2025 23:50	WG2514778
4-Nitrophenol	ND		10.0	1	05/14/2025 23:50	WG2514778
Pentachlorophenol	ND		10.0	1	05/14/2025 23:50	WG2514778
Phenol	ND		10.0	1	05/14/2025 23:50	WG2514778
2,4,6-Trichlorophenol	ND		10.0	1	05/14/2025 23:50	WG2514778
(S) 2-Fluorophenol	43.8		10.0-120		05/14/2025 23:50	WG2514778
(S) Phenol-d5	30.0		10.0-120		05/14/2025 23:50	WG2514778
(S) Nitrobenzene-d5	69.0		10.0-127		05/14/2025 23:50	WG2514778
(S) 2-Fluorobiphenyl	66.7		10.0-130		05/14/2025 23:50	WG2514778
(S) 2,4,6-Tribromophenol	57.2		10.0-155		05/14/2025 23:50	WG2514778
(S) p-Terphenyl-d14	63.0		10.0-128		05/14/2025 23:50	WG2514778

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	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND	C3	50.0	1	05/14/2025 17:00	WG2514719
Acrolein	ND		50.0	1	05/14/2025 17:00	WG2514719
Acrylonitrile	ND		10.0	1	05/14/2025 17:00	WG2514719
Benzene	ND		1.00	1	05/14/2025 17:00	WG2514719
Bromobenzene	ND		1.00	1	05/14/2025 17:00	WG2514719
Bromodichloromethane	ND		1.00	1	05/14/2025 17:00	WG2514719
Bromoform	ND	C3	1.00	1	05/14/2025 17:00	WG2514719
Bromomethane	ND	C3	5.00	1	05/14/2025 17:00	WG2514719
n-Butylbenzene	ND		1.00	1	05/14/2025 17:00	WG2514719
sec-Butylbenzene	ND		1.00	1	05/14/2025 17:00	WG2514719
tert-Butylbenzene	ND		1.00	1	05/14/2025 17:00	WG2514719
Carbon tetrachloride	ND		1.00	1	05/14/2025 17:00	WG2514719
Chlorobenzene	ND		1.00	1	05/14/2025 17:00	WG2514719
Chlorodibromomethane	ND		1.00	1	05/14/2025 17:00	WG2514719
Chloroethane	ND		5.00	1	05/14/2025 17:00	WG2514719
Chloroform	ND		5.00	1	05/14/2025 17:00	WG2514719
Chloromethane	ND		2.50	1	05/14/2025 17:00	WG2514719
2-Chlorotoluene	ND		1.00	1	05/14/2025 17:00	WG2514719
4-Chlorotoluene	ND		1.00	1	05/14/2025 17:00	WG2514719
1,2-Dibromo-3-Chloropropane	ND	C3	5.00	1	05/14/2025 17:00	WG2514719
1,2-Dibromoethane	ND		1.00	1	05/14/2025 17:00	WG2514719
Dibromomethane	ND		1.00	1	05/14/2025 17:00	WG2514719
1,2-Dichlorobenzene	ND		1.00	1	05/14/2025 17:00	WG2514719
1,3-Dichlorobenzene	ND		1.00	1	05/14/2025 17:00	WG2514719
1,4-Dichlorobenzene	ND		1.00	1	05/14/2025 17:00	WG2514719
Dichlorodifluoromethane	ND		5.00	1	05/14/2025 17:00	WG2514719
1,1-Dichloroethane	ND		1.00	1	05/14/2025 17:00	WG2514719
1,2-Dichloroethane	ND		1.00	1	05/14/2025 17:00	WG2514719
1,1-Dichloroethene	ND		1.00	1	05/14/2025 17:00	WG2514719
cis-1,2-Dichloroethene	ND		1.00	1	05/14/2025 17:00	WG2514719
trans-1,2-Dichloroethene	ND		1.00	1	05/14/2025 17:00	WG2514719
1,2-Dichloropropane	ND		1.00	1	05/14/2025 17:00	WG2514719
1,1-Dichloropropene	ND		1.00	1	05/14/2025 17:00	WG2514719
1,3-Dichloropropane	ND		1.00	1	05/14/2025 17:00	WG2514719
cis-1,3-Dichloropropene	ND		1.00	1	05/14/2025 17:00	WG2514719
trans-1,3-Dichloropropene	ND		1.00	1	05/14/2025 17:00	WG2514719
2,2-Dichloropropane	ND		1.00	1	05/14/2025 17:00	WG2514719
Di-isopropyl ether	ND		1.00	1	05/14/2025 17:00	WG2514719
Ethylbenzene	ND		1.00	1	05/14/2025 17:00	WG2514719
Hexachloro-1,3-butadiene	ND		1.00	1	05/14/2025 17:00	WG2514719
Isopropylbenzene	ND		1.00	1	05/14/2025 17:00	WG2514719
p-Isopropyltoluene	ND		1.00	1	05/14/2025 17:00	WG2514719
2-Butanone (MEK)	ND		10.0	1	05/14/2025 17:00	WG2514719
Methylene Chloride	ND		5.00	1	05/14/2025 17:00	WG2514719
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/14/2025 17:00	WG2514719
Methyl tert-butyl ether	ND		1.00	1	05/14/2025 17:00	WG2514719
Naphthalene	ND	C3	5.00	1	05/14/2025 17:00	WG2514719
n-Propylbenzene	ND		1.00	1	05/14/2025 17:00	WG2514719
Styrene	ND		1.00	1	05/14/2025 17:00	WG2514719
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/14/2025 17:00	WG2514719
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/14/2025 17:00	WG2514719
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/14/2025 17:00	WG2514719
Tetrachloroethene	ND		1.00	1	05/14/2025 17:00	WG2514719
Toluene	ND		1.00	1	05/14/2025 17:00	WG2514719
1,2,3-Trichlorobenzene	ND	C3	1.00	1	05/14/2025 17:00	WG2514719
1,2,4-Trichlorobenzene	ND	C3	1.00	1	05/14/2025 17:00	WG2514719

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	Qualifier	RDL	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		1.00	1	05/14/2025 17:00	WG2514719
1,1,2-Trichloroethane	ND		1.00	1	05/14/2025 17:00	WG2514719
Trichloroethene	ND		1.00	1	05/14/2025 17:00	WG2514719
Trichlorofluoromethane	ND		5.00	1	05/14/2025 17:00	WG2514719
1,2,3-Trichloropropane	ND		2.50	1	05/14/2025 17:00	WG2514719
1,2,4-Trimethylbenzene	ND		1.00	1	05/14/2025 17:00	WG2514719
1,2,3-Trimethylbenzene	ND		1.00	1	05/14/2025 17:00	WG2514719
1,3,5-Trimethylbenzene	ND		1.00	1	05/14/2025 17:00	WG2514719
Vinyl chloride	ND		1.00	1	05/14/2025 17:00	WG2514719
Xylenes, Total	ND		3.00	1	05/14/2025 17:00	WG2514719
(S) Toluene-d8	102		80.0-120		05/14/2025 17:00	WG2514719
(S) 4-Bromofluorobenzene	96.1		77.0-126		05/14/2025 17:00	WG2514719
(S) 1,2-Dichloroethane-d4	109		70.0-130		05/14/2025 17:00	WG2514719

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

Calculated Results

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Total Nitrogen	ND		100	1	05/15/2025 10:03	WG2514860

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	ND		10000	1	05/14/2025 14:22	WG2514821

Gravimetric Analysis by Method 2540 D-2020

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	ND		2500	1	05/14/2025 14:31	WG2514805

Wet Chemistry by Method 130.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hardness (colorimetric) as CaCO3	ND		30000	1	05/14/2025 23:13	WG2514766

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Alkalinity	ND		20000	1	05/14/2025 14:53	WG2514868

Sample Narrative:

L1858461-11 WG2514868: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Bromide	ND		1000	1	05/14/2025 16:55	WG2514721
Chloride	ND		1000	1	05/14/2025 16:55	WG2514721
Fluoride	ND		150	1	05/14/2025 16:55	WG2514721
Nitrate as (N)	ND		100	1	05/14/2025 16:55	WG2514721
Nitrite as (N)	ND		100	1	05/14/2025 16:55	WG2514721
Sulfate	ND		5000	1	05/14/2025 16:55	WG2514721

Wet Chemistry by Method 350.1

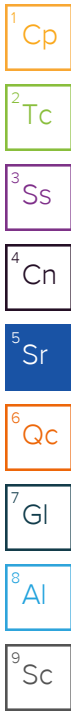
Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		100	1	05/14/2025 16:58	WG2514876

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	ND	P1	250	1	05/15/2025 10:03	WG2514860

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		100	1	05/15/2025 12:09	WG2515562



Wet Chemistry by Method 5310 B-2014

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	ND		1000	1	05/14/2025 17:18	WG2514781

Wet Chemistry by Method 5540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
MBAS	103		100	1	05/14/2025 17:28	WG2514880

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.500	1	05/15/2025 04:26	WG2514819

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	5.66	<u>T8</u>	1	05/14/2025 15:30	WG2515017

Sample Narrative:

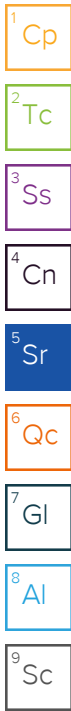
L1858461-11 WG2515017: 5.66 at 21.4C

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	05/14/2025 18:06	WG2514830

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Aluminum	ND		100	1	05/14/2025 15:07	WG2514804
Aluminum,Dissolved	ND		100	1	05/14/2025 16:29	WG2514803
Antimony	ND		4.00	1	05/14/2025 15:07	WG2514804
Arsenic	ND		2.00	1	05/14/2025 15:07	WG2514804
Arsenic,Dissolved	ND		2.00	1	05/14/2025 16:29	WG2514803
Barium	ND		2.00	1	05/14/2025 15:07	WG2514804
Beryllium	ND		2.00	1	05/14/2025 15:07	WG2514804
Boron	ND		30.0	1	05/14/2025 15:07	WG2514804
Cadmium	ND		1.00	1	05/14/2025 15:07	WG2514804
Cadmium,Dissolved	ND		1.00	1	05/14/2025 16:29	WG2514803
Calcium	ND		1000	1	05/14/2025 15:07	WG2514804
Chromium	ND		2.00	1	05/14/2025 15:07	WG2514804
Chromium,Dissolved	ND		2.00	1	05/14/2025 16:29	WG2514803
Copper	ND		5.00	1	05/14/2025 15:07	WG2514804
Copper,Dissolved	ND		5.00	1	05/14/2025 16:29	WG2514803
Cobalt	ND		2.00	1	05/14/2025 15:07	WG2514804
Iron	ND		100	1	05/14/2025 15:07	WG2514804
Lead	ND		2.00	1	05/14/2025 15:07	WG2514804
Lead,Dissolved	ND		2.00	1	05/14/2025 16:29	WG2514803
Magnesium	ND		1000	1	05/14/2025 15:07	WG2514804
Manganese	ND		5.00	1	05/14/2025 15:07	WG2514804
Manganese,Dissolved	ND		5.00	1	05/14/2025 16:29	WG2514803
Nickel	ND		2.00	1	05/14/2025 15:07	WG2514804
Nickel,Dissolved	ND		2.00	1	05/14/2025 16:29	WG2514803
Potassium	ND		2000	1	05/14/2025 15:07	WG2514804
Selenium	ND		2.00	1	05/14/2025 15:07	WG2514804



Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Selenium,Dissolved	ND		2.00	1	05/14/2025 16:29	WG2514803
Silver	ND		2.00	1	05/14/2025 15:07	WG2514804
Silver,Dissolved	ND		2.00	1	05/14/2025 16:29	WG2514803
Sodium	ND		2000	1	05/14/2025 15:07	WG2514804
Thallium	ND		2.00	1	05/14/2025 15:07	WG2514804
Vanadium	ND		5.00	1	05/14/2025 15:07	WG2514804
Zinc	ND		25.0	1	05/14/2025 15:07	WG2514804
Zinc,Dissolved	ND	J4	25.0	1	05/14/2025 16:29	WG2514803

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
TPH (GC/FID) Low Fraction	ND		100	1	05/14/2025 15:45	WG2514842
(S) a, a, a-Trifluorotoluene(FID)	103		78.0-120		05/14/2025 15:45	WG2514842

6 Qc

7 Gl

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND	C3	50.0	1	05/14/2025 19:29	WG2514719
Acrolein	ND		50.0	1	05/14/2025 19:29	WG2514719
Acrylonitrile	ND		10.0	1	05/14/2025 19:29	WG2514719
Benzene	ND		1.00	1	05/14/2025 19:29	WG2514719
Bromobenzene	ND		1.00	1	05/14/2025 19:29	WG2514719
Bromodichloromethane	4.66		1.00	1	05/14/2025 19:29	WG2514719
Bromoform	ND	C3	1.00	1	05/14/2025 19:29	WG2514719
Bromomethane	ND	C3	5.00	1	05/14/2025 19:29	WG2514719
n-Butylbenzene	ND		1.00	1	05/14/2025 19:29	WG2514719
sec-Butylbenzene	ND		1.00	1	05/14/2025 19:29	WG2514719
tert-Butylbenzene	ND		1.00	1	05/14/2025 19:29	WG2514719
Carbon tetrachloride	ND		1.00	1	05/14/2025 19:29	WG2514719
Chlorobenzene	ND		1.00	1	05/14/2025 19:29	WG2514719
Chlorodibromomethane	ND		1.00	1	05/14/2025 19:29	WG2514719
Chloroethane	ND		5.00	1	05/14/2025 19:29	WG2514719
Chloroform	7.04		5.00	1	05/14/2025 19:29	WG2514719
Chloromethane	ND		2.50	1	05/14/2025 19:29	WG2514719
2-Chlorotoluene	ND		1.00	1	05/14/2025 19:29	WG2514719
4-Chlorotoluene	ND		1.00	1	05/14/2025 19:29	WG2514719
1,2-Dibromo-3-Chloropropane	ND	C3	5.00	1	05/14/2025 19:29	WG2514719
1,2-Dibromoethane	ND		1.00	1	05/14/2025 19:29	WG2514719
Dibromomethane	ND		1.00	1	05/14/2025 19:29	WG2514719
1,2-Dichlorobenzene	ND		1.00	1	05/14/2025 19:29	WG2514719
1,3-Dichlorobenzene	ND		1.00	1	05/14/2025 19:29	WG2514719
1,4-Dichlorobenzene	ND		1.00	1	05/14/2025 19:29	WG2514719
Dichlorodifluoromethane	ND		5.00	1	05/14/2025 19:29	WG2514719
1,1-Dichloroethane	ND		1.00	1	05/14/2025 19:29	WG2514719
1,2-Dichloroethane	ND		1.00	1	05/14/2025 19:29	WG2514719
1,1-Dichloroethene	ND		1.00	1	05/14/2025 19:29	WG2514719
cis-1,2-Dichloroethene	ND		1.00	1	05/14/2025 19:29	WG2514719
trans-1,2-Dichloroethene	ND		1.00	1	05/14/2025 19:29	WG2514719
1,2-Dichloropropane	ND		1.00	1	05/14/2025 19:29	WG2514719
1,1-Dichloropropene	ND		1.00	1	05/14/2025 19:29	WG2514719
1,3-Dichloropropane	ND		1.00	1	05/14/2025 19:29	WG2514719
cis-1,3-Dichloropropene	ND		1.00	1	05/14/2025 19:29	WG2514719
trans-1,3-Dichloropropene	ND		1.00	1	05/14/2025 19:29	WG2514719
2,2-Dichloropropane	ND		1.00	1	05/14/2025 19:29	WG2514719

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Di-isopropyl ether	ND		1.00	1	05/14/2025 19:29	WG2514719
Ethylbenzene	ND		1.00	1	05/14/2025 19:29	WG2514719
Hexachloro-1,3-butadiene	ND		1.00	1	05/14/2025 19:29	WG2514719
Isopropylbenzene	ND		1.00	1	05/14/2025 19:29	WG2514719
p-Isopropyltoluene	ND		1.00	1	05/14/2025 19:29	WG2514719
2-Butanone (MEK)	ND		10.0	1	05/14/2025 19:29	WG2514719
Methylene Chloride	ND		5.00	1	05/14/2025 19:29	WG2514719
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/14/2025 19:29	WG2514719
Methyl tert-butyl ether	ND		1.00	1	05/14/2025 19:29	WG2514719
Naphthalene	ND	C3	5.00	1	05/14/2025 19:29	WG2514719
n-Propylbenzene	ND		1.00	1	05/14/2025 19:29	WG2514719
Styrene	ND		1.00	1	05/14/2025 19:29	WG2514719
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/14/2025 19:29	WG2514719
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/14/2025 19:29	WG2514719
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/14/2025 19:29	WG2514719
Tetrachloroethene	ND		1.00	1	05/14/2025 19:29	WG2514719
Toluene	ND		1.00	1	05/14/2025 19:29	WG2514719
1,2,3-Trichlorobenzene	ND	C3	1.00	1	05/14/2025 19:29	WG2514719
1,2,4-Trichlorobenzene	ND	C3	1.00	1	05/14/2025 19:29	WG2514719
1,1,1-Trichloroethane	ND		1.00	1	05/14/2025 19:29	WG2514719
1,1,2-Trichloroethane	ND		1.00	1	05/14/2025 19:29	WG2514719
Trichloroethene	ND		1.00	1	05/14/2025 19:29	WG2514719
Trichlorofluoromethane	ND		5.00	1	05/14/2025 19:29	WG2514719
1,2,3-Trichloropropane	ND		2.50	1	05/14/2025 19:29	WG2514719
1,2,4-Trimethylbenzene	ND		1.00	1	05/14/2025 19:29	WG2514719
1,2,3-Trimethylbenzene	ND		1.00	1	05/14/2025 19:29	WG2514719
1,3,5-Trimethylbenzene	ND		1.00	1	05/14/2025 19:29	WG2514719
Vinyl chloride	ND		1.00	1	05/14/2025 19:29	WG2514719
Xylenes, Total	ND		3.00	1	05/14/2025 19:29	WG2514719
(S) Toluene-d8	100		80.0-120		05/14/2025 19:29	WG2514719
(S) 4-Bromofluorobenzene	94.0		77.0-126		05/14/2025 19:29	WG2514719
(S) 1,2-Dichloroethane-d4	112		70.0-130		05/14/2025 19:29	WG2514719

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		100	1	05/14/2025 19:39	WG2514785
C28-C36 Motor Oil Range	ND		100	1	05/14/2025 19:39	WG2514785
(S) o-Terphenyl	135		52.0-156		05/14/2025 19:39	WG2514785

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acenaphthene	ND		1.15	1.15	05/14/2025 22:44	WG2514778
Acenaphthylene	ND		1.15	1.15	05/14/2025 22:44	WG2514778
Anthracene	ND		1.15	1.15	05/14/2025 22:44	WG2514778
Benidine	ND	J4	11.5	1.15	05/14/2025 22:44	WG2514778
Benzo(a)anthracene	ND		1.15	1.15	05/14/2025 22:44	WG2514778
Benzo(b)fluoranthene	ND		1.15	1.15	05/14/2025 22:44	WG2514778
Benzo(k)fluoranthene	ND		1.15	1.15	05/14/2025 22:44	WG2514778
Benzo(g,h,i)perylene	ND		1.15	1.15	05/14/2025 22:44	WG2514778
Benzo(a)pyrene	ND		1.15	1.15	05/14/2025 22:44	WG2514778
Bis(2-chloroethoxy)methane	ND		11.5	1.15	05/14/2025 22:44	WG2514778
Bis(2-chloroethyl)ether	ND		11.5	1.15	05/14/2025 22:44	WG2514778
2,2-Oxybis(1-Chloropropane)	ND		11.5	1.15	05/14/2025 22:44	WG2514778

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4-Bromophenyl-phenylether	ND		11.5	1.15	05/14/2025 22:44	WG2514778
2-Chloronaphthalene	ND		1.15	1.15	05/14/2025 22:44	WG2514778
4-Chlorophenyl-phenylether	ND		11.5	1.15	05/14/2025 22:44	WG2514778
Chrysene	ND		1.15	1.15	05/14/2025 22:44	WG2514778
Dibenz(a,h)anthracene	ND		1.15	1.15	05/14/2025 22:44	WG2514778
1,2-Dichlorobenzene	ND		11.5	1.15	05/14/2025 22:44	WG2514778
1,3-Dichlorobenzene	ND		11.5	1.15	05/14/2025 22:44	WG2514778
1,4-Dichlorobenzene	ND		11.5	1.15	05/14/2025 22:44	WG2514778
3,3-Dichlorobenzidine	ND		11.5	1.15	05/14/2025 22:44	WG2514778
2,4-Dinitrotoluene	ND		11.5	1.15	05/14/2025 22:44	WG2514778
2,6-Dinitrotoluene	ND		11.5	1.15	05/14/2025 22:44	WG2514778
Fluoranthene	ND		1.15	1.15	05/14/2025 22:44	WG2514778
Fluorene	ND		1.15	1.15	05/14/2025 22:44	WG2514778
Hexachlorobenzene	ND		1.15	1.15	05/14/2025 22:44	WG2514778
Hexachloro-1,3-butadiene	ND		11.5	1.15	05/14/2025 22:44	WG2514778
Hexachlorocyclopentadiene	ND		11.5	1.15	05/14/2025 22:44	WG2514778
Hexachloroethane	ND		11.5	1.15	05/14/2025 22:44	WG2514778
Indeno(1,2,3-cd)pyrene	ND		1.15	1.15	05/14/2025 22:44	WG2514778
Isophorone	ND		11.5	1.15	05/14/2025 22:44	WG2514778
1-Methylnaphthalene	ND		1.15	1.15	05/14/2025 22:44	WG2514778
2-Methylnaphthalene	ND		1.15	1.15	05/14/2025 22:44	WG2514778
Naphthalene	ND		1.15	1.15	05/14/2025 22:44	WG2514778
Nitrobenzene	ND		11.5	1.15	05/14/2025 22:44	WG2514778
n-Nitrosodimethylamine	ND		11.5	1.15	05/14/2025 22:44	WG2514778
n-Nitrosodiphenylamine	ND		11.5	1.15	05/14/2025 22:44	WG2514778
n-Nitrosodi-n-propylamine	ND		11.5	1.15	05/14/2025 22:44	WG2514778
Phenanthrene	ND		1.15	1.15	05/14/2025 22:44	WG2514778
Benzylbutyl phthalate	ND		3.45	1.15	05/14/2025 22:44	WG2514778
Bis(2-ethylhexyl)phthalate	ND		3.45	1.15	05/14/2025 22:44	WG2514778
Di-n-butyl phthalate	ND		3.45	1.15	05/14/2025 22:44	WG2514778
Diethyl phthalate	ND		3.45	1.15	05/14/2025 22:44	WG2514778
Dimethyl phthalate	ND		3.45	1.15	05/14/2025 22:44	WG2514778
Di-n-octyl phthalate	ND		3.45	1.15	05/14/2025 22:44	WG2514778
Pyrene	ND		1.15	1.15	05/14/2025 22:44	WG2514778
1,2,4-Trichlorobenzene	ND		11.5	1.15	05/14/2025 22:44	WG2514778
4-Chloro-3-methylphenol	ND		11.5	1.15	05/14/2025 22:44	WG2514778
2-Chlorophenol	ND		11.5	1.15	05/14/2025 22:44	WG2514778
2,4-Dichlorophenol	ND		11.5	1.15	05/14/2025 22:44	WG2514778
2,4-Dimethylphenol	ND		11.5	1.15	05/14/2025 22:44	WG2514778
4,6-Dinitro-2-methylphenol	ND		11.5	1.15	05/14/2025 22:44	WG2514778
2,4-Dinitrophenol	ND		11.5	1.15	05/14/2025 22:44	WG2514778
2-Nitrophenol	ND		11.5	1.15	05/14/2025 22:44	WG2514778
4-Nitrophenol	ND		11.5	1.15	05/14/2025 22:44	WG2514778
Pentachlorophenol	ND		11.5	1.15	05/14/2025 22:44	WG2514778
Phenol	ND		11.5	1.15	05/14/2025 22:44	WG2514778
2,4,6-Trichlorophenol	ND		11.5	1.15	05/14/2025 22:44	WG2514778
(S) 2-Fluorophenol	59.6		10.0-120		05/14/2025 22:44	WG2514778
(S) Phenol-d5	42.5		10.0-120		05/14/2025 22:44	WG2514778
(S) Nitrobenzene-d5	71.9		10.0-127		05/14/2025 22:44	WG2514778
(S) 2-Fluorobiphenyl	75.1		10.0-130		05/14/2025 22:44	WG2514778
(S) 2,4,6-Tribromophenol	59.6		10.0-155		05/14/2025 22:44	WG2514778
(S) p-Terphenyl-d14	76.5		10.0-128		05/14/2025 22:44	WG2514778

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	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND	C3	50.0	1	05/14/2025 17:21	WG2514719
Acrolein	ND		50.0	1	05/14/2025 17:21	WG2514719
Acrylonitrile	ND		10.0	1	05/14/2025 17:21	WG2514719
Benzene	ND		1.00	1	05/14/2025 17:21	WG2514719
Bromobenzene	ND		1.00	1	05/14/2025 17:21	WG2514719
Bromodichloromethane	ND		1.00	1	05/14/2025 17:21	WG2514719
Bromoform	ND	C3	1.00	1	05/14/2025 17:21	WG2514719
Bromomethane	ND	C3	5.00	1	05/14/2025 17:21	WG2514719
n-Butylbenzene	ND		1.00	1	05/14/2025 17:21	WG2514719
sec-Butylbenzene	ND		1.00	1	05/14/2025 17:21	WG2514719
tert-Butylbenzene	ND		1.00	1	05/14/2025 17:21	WG2514719
Carbon tetrachloride	ND		1.00	1	05/14/2025 17:21	WG2514719
Chlorobenzene	ND		1.00	1	05/14/2025 17:21	WG2514719
Chlorodibromomethane	ND		1.00	1	05/14/2025 17:21	WG2514719
Chloroethane	ND		5.00	1	05/14/2025 17:21	WG2514719
Chloroform	ND		5.00	1	05/14/2025 17:21	WG2514719
Chloromethane	ND		2.50	1	05/14/2025 17:21	WG2514719
2-Chlorotoluene	ND		1.00	1	05/14/2025 17:21	WG2514719
4-Chlorotoluene	ND		1.00	1	05/14/2025 17:21	WG2514719
1,2-Dibromo-3-Chloropropane	ND	C3	5.00	1	05/14/2025 17:21	WG2514719
1,2-Dibromoethane	ND		1.00	1	05/14/2025 17:21	WG2514719
Dibromomethane	ND		1.00	1	05/14/2025 17:21	WG2514719
1,2-Dichlorobenzene	ND		1.00	1	05/14/2025 17:21	WG2514719
1,3-Dichlorobenzene	ND		1.00	1	05/14/2025 17:21	WG2514719
1,4-Dichlorobenzene	ND		1.00	1	05/14/2025 17:21	WG2514719
Dichlorodifluoromethane	ND		5.00	1	05/14/2025 17:21	WG2514719
1,1-Dichloroethane	ND		1.00	1	05/14/2025 17:21	WG2514719
1,2-Dichloroethane	ND		1.00	1	05/14/2025 17:21	WG2514719
1,1-Dichloroethene	ND		1.00	1	05/14/2025 17:21	WG2514719
cis-1,2-Dichloroethene	ND		1.00	1	05/14/2025 17:21	WG2514719
trans-1,2-Dichloroethene	ND		1.00	1	05/14/2025 17:21	WG2514719
1,2-Dichloropropane	ND		1.00	1	05/14/2025 17:21	WG2514719
1,1-Dichloropropene	ND		1.00	1	05/14/2025 17:21	WG2514719
1,3-Dichloropropane	ND		1.00	1	05/14/2025 17:21	WG2514719
cis-1,3-Dichloropropene	ND		1.00	1	05/14/2025 17:21	WG2514719
trans-1,3-Dichloropropene	ND		1.00	1	05/14/2025 17:21	WG2514719
2,2-Dichloropropane	ND		1.00	1	05/14/2025 17:21	WG2514719
Di-isopropyl ether	ND		1.00	1	05/14/2025 17:21	WG2514719
Ethylbenzene	ND		1.00	1	05/14/2025 17:21	WG2514719
Hexachloro-1,3-butadiene	ND		1.00	1	05/14/2025 17:21	WG2514719
Isopropylbenzene	ND		1.00	1	05/14/2025 17:21	WG2514719
p-Isopropyltoluene	ND		1.00	1	05/14/2025 17:21	WG2514719
2-Butanone (MEK)	ND		10.0	1	05/14/2025 17:21	WG2514719
Methylene Chloride	ND		5.00	1	05/14/2025 17:21	WG2514719
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/14/2025 17:21	WG2514719
Methyl tert-butyl ether	ND		1.00	1	05/14/2025 17:21	WG2514719
Naphthalene	ND	C3	5.00	1	05/14/2025 17:21	WG2514719
n-Propylbenzene	ND		1.00	1	05/14/2025 17:21	WG2514719
Styrene	ND		1.00	1	05/14/2025 17:21	WG2514719
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/14/2025 17:21	WG2514719
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/14/2025 17:21	WG2514719
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/14/2025 17:21	WG2514719
Tetrachloroethene	ND		1.00	1	05/14/2025 17:21	WG2514719
Toluene	ND		1.00	1	05/14/2025 17:21	WG2514719
1,2,3-Trichlorobenzene	ND	C3	1.00	1	05/14/2025 17:21	WG2514719
1,2,4-Trichlorobenzene	ND	C3	1.00	1	05/14/2025 17:21	WG2514719

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	Qualifier	RDL	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		1.00	1	05/14/2025 17:21	WG2514719
1,1,2-Trichloroethane	ND		1.00	1	05/14/2025 17:21	WG2514719
Trichloroethene	ND		1.00	1	05/14/2025 17:21	WG2514719
Trichlorofluoromethane	ND		5.00	1	05/14/2025 17:21	WG2514719
1,2,3-Trichloropropane	ND		2.50	1	05/14/2025 17:21	WG2514719
1,2,4-Trimethylbenzene	ND		1.00	1	05/14/2025 17:21	WG2514719
1,2,3-Trimethylbenzene	ND		1.00	1	05/14/2025 17:21	WG2514719
1,3,5-Trimethylbenzene	ND		1.00	1	05/14/2025 17:21	WG2514719
Vinyl chloride	ND		1.00	1	05/14/2025 17:21	WG2514719
Xylenes, Total	ND		3.00	1	05/14/2025 17:21	WG2514719
(S) Toluene-d8	102		80.0-120		05/14/2025 17:21	WG2514719
(S) 4-Bromofluorobenzene	95.7		77.0-126		05/14/2025 17:21	WG2514719
(S) 1,2-Dichloroethane-d4	110		70.0-130		05/14/2025 17:21	WG2514719

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Total Nitrogen	8070		250	1	05/15/2025 10:05	WG2514860

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1950000		25000	1	05/14/2025 16:38	WG2514972

Gravimetric Analysis by Method 2540 D-2020

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	105000		25000	1	05/14/2025 16:10	WG2514965

Wet Chemistry by Method 130.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hardness (colorimetric) as CaCO3	1060000		150000	5	05/14/2025 23:22	WG2514766

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Alkalinity	276000		20000	1	05/14/2025 14:58	WG2514868

Sample Narrative:

L1858461-13 WG2514868: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Bromide	ND		5000	5	05/14/2025 21:13	WG2514552
Chloride	98400		5000	5	05/14/2025 21:13	WG2514552
Fluoride	1310		750	5	05/14/2025 21:13	WG2514552
Nitrate as (N)	3400		500	5	05/14/2025 21:13	WG2514552
Nitrite as (N)	ND		500	5	05/14/2025 21:13	WG2514552
Sulfate	1020000		250000	50	05/14/2025 21:30	WG2514552

Sample Narrative:

L1858461-13 WG2514552: Dilution due to matrix impact on instrumentation at lower dilution

Wet Chemistry by Method 350.1

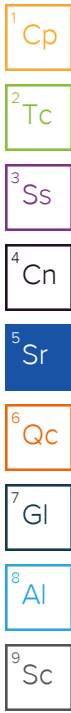
Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	597		100	1	05/14/2025 17:00	WG2514876

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	4670		250	1	05/15/2025 10:05	WG2514860

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	932		100	1	05/15/2025 12:11	WG2515562



Wet Chemistry by Method 5310 B-2014

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	16100		1000	1	05/14/2025 17:41	WG2514781

Wet Chemistry by Method 5540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
MBAS	190		100	1	05/14/2025 17:28	WG2514880

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.500	1	05/15/2025 04:52	WG2514819

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.00	<u>T8</u>	1	05/14/2025 15:30	WG2515017

Sample Narrative:

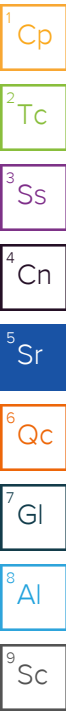
L1858461-13 WG2515017: 8 at 21.5C

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	05/14/2025 18:20	WG2514899

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Aluminum	1130		100	1	05/14/2025 19:24	WG2514982
Aluminum,Dissolved	ND		100	1	05/14/2025 19:32	WG2514984
Antimony	ND		4.00	1	05/14/2025 19:24	WG2514982
Arsenic	5.36		2.00	1	05/14/2025 19:24	WG2514982
Arsenic,Dissolved	4.70		2.00	1	05/14/2025 19:32	WG2514984
Barium	92.8		2.00	1	05/14/2025 19:24	WG2514982
Beryllium	ND		2.00	1	05/14/2025 19:24	WG2514982
Boron	304		30.0	1	05/14/2025 19:24	WG2514982
Cadmium	ND		1.00	1	05/14/2025 19:24	WG2514982
Cadmium,Dissolved	ND		1.00	1	05/14/2025 19:32	WG2514984
Calcium	187000		1000	1	05/14/2025 19:24	WG2514982
Chromium	ND		2.00	1	05/14/2025 19:24	WG2514982
Chromium,Dissolved	ND		2.00	1	05/14/2025 19:32	WG2514984
Copper	7.84		5.00	1	05/14/2025 19:24	WG2514982
Copper,Dissolved	ND		5.00	1	05/14/2025 19:32	WG2514984
Cobalt	2.38		2.00	1	05/14/2025 19:24	WG2514982
Iron	1360		100	1	05/14/2025 19:24	WG2514982
Lead	2.41		2.00	1	05/14/2025 19:24	WG2514982
Lead,Dissolved	ND		2.00	1	05/14/2025 19:32	WG2514984
Magnesium	126000		1000	1	05/14/2025 19:24	WG2514982
Manganese	769		5.00	1	05/14/2025 19:24	WG2514982
Manganese,Dissolved	712		5.00	1	05/14/2025 19:32	WG2514984
Nickel	4.74		2.00	1	05/14/2025 19:24	WG2514982
Nickel,Dissolved	4.12		2.00	1	05/14/2025 19:32	WG2514984
Potassium	16000		2000	1	05/14/2025 19:24	WG2514982
Selenium	5.13		2.00	1	05/14/2025 19:24	WG2514982



Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Selenium,Dissolved	5.53		2.00	1	05/14/2025 19:32	WG2514984
Silver	ND		2.00	1	05/14/2025 19:24	WG2514982
Silver,Dissolved	ND		2.00	1	05/14/2025 19:32	WG2514984
Sodium	215000		2000	1	05/14/2025 19:24	WG2514982
Thallium	ND		2.00	1	05/14/2025 19:24	WG2514982
Vanadium	9.30		5.00	1	05/14/2025 19:24	WG2514982
Zinc	ND		25.0	1	05/14/2025 19:24	WG2514982
Zinc,Dissolved	ND		25.0	1	05/14/2025 19:32	WG2514984

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		100	1	05/14/2025 15:52	WG2515012
(S) a,a,a-Trifluorotoluene(FID)	102		78.0-120		05/14/2025 15:52	WG2515012

6 Qc

7 Gl

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	05/14/2025 18:46	WG2515025
Acrolein	ND	C3	50.0	1	05/14/2025 18:46	WG2515025
Acrylonitrile	ND		10.0	1	05/14/2025 18:46	WG2515025
Benzene	ND		1.00	1	05/14/2025 18:46	WG2515025
Bromobenzene	ND		1.00	1	05/14/2025 18:46	WG2515025
Bromodichloromethane	ND		1.00	1	05/14/2025 18:46	WG2515025
Bromoform	ND		1.00	1	05/14/2025 18:46	WG2515025
Bromomethane	ND		5.00	1	05/14/2025 18:46	WG2515025
n-Butylbenzene	ND	C3	1.00	1	05/14/2025 18:46	WG2515025
sec-Butylbenzene	ND		1.00	1	05/14/2025 18:46	WG2515025
tert-Butylbenzene	ND		1.00	1	05/14/2025 18:46	WG2515025
Carbon tetrachloride	ND		1.00	1	05/14/2025 18:46	WG2515025
Chlorobenzene	ND		1.00	1	05/14/2025 18:46	WG2515025
Chlorodibromomethane	ND		1.00	1	05/14/2025 18:46	WG2515025
Chloroethane	ND		5.00	1	05/14/2025 18:46	WG2515025
Chloroform	ND		5.00	1	05/14/2025 18:46	WG2515025
Chloromethane	ND		2.50	1	05/14/2025 18:46	WG2515025
2-Chlorotoluene	ND		1.00	1	05/14/2025 18:46	WG2515025
4-Chlorotoluene	ND		1.00	1	05/14/2025 18:46	WG2515025
1,2-Dibromo-3-Chloropropane	ND		5.00	1	05/14/2025 18:46	WG2515025
1,2-Dibromoethane	ND		1.00	1	05/14/2025 18:46	WG2515025
Dibromomethane	ND		1.00	1	05/14/2025 18:46	WG2515025
1,2-Dichlorobenzene	ND		1.00	1	05/14/2025 18:46	WG2515025
1,3-Dichlorobenzene	ND		1.00	1	05/14/2025 18:46	WG2515025
1,4-Dichlorobenzene	ND		1.00	1	05/14/2025 18:46	WG2515025
Dichlorodifluoromethane	ND	C3	5.00	1	05/14/2025 18:46	WG2515025
1,1-Dichloroethane	ND		1.00	1	05/14/2025 18:46	WG2515025
1,2-Dichloroethane	ND		1.00	1	05/14/2025 18:46	WG2515025
1,1-Dichloroethene	ND		1.00	1	05/14/2025 18:46	WG2515025
cis-1,2-Dichloroethene	ND		1.00	1	05/14/2025 18:46	WG2515025
trans-1,2-Dichloroethene	ND		1.00	1	05/14/2025 18:46	WG2515025
1,2-Dichloropropane	ND		1.00	1	05/14/2025 18:46	WG2515025
1,1-Dichloropropene	ND		1.00	1	05/14/2025 18:46	WG2515025
1,3-Dichloropropane	ND		1.00	1	05/14/2025 18:46	WG2515025
cis-1,3-Dichloropropene	ND		1.00	1	05/14/2025 18:46	WG2515025
trans-1,3-Dichloropropene	ND		1.00	1	05/14/2025 18:46	WG2515025
2,2-Dichloropropane	ND	C3	1.00	1	05/14/2025 18:46	WG2515025

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Di-isopropyl ether	ND		1.00	1	05/14/2025 18:46	WG2515025
Ethylbenzene	ND		1.00	1	05/14/2025 18:46	WG2515025
Hexachloro-1,3-butadiene	ND		1.00	1	05/14/2025 18:46	WG2515025
Isopropylbenzene	ND		1.00	1	05/14/2025 18:46	WG2515025
p-Isopropyltoluene	ND	C3	1.00	1	05/14/2025 18:46	WG2515025
2-Butanone (MEK)	ND		10.0	1	05/14/2025 18:46	WG2515025
Methylene Chloride	ND		5.00	1	05/14/2025 18:46	WG2515025
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/14/2025 18:46	WG2515025
Methyl tert-butyl ether	ND		1.00	1	05/14/2025 18:46	WG2515025
Naphthalene	ND		5.00	1	05/14/2025 18:46	WG2515025
n-Propylbenzene	ND		1.00	1	05/14/2025 18:46	WG2515025
Styrene	ND		1.00	1	05/14/2025 18:46	WG2515025
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/14/2025 18:46	WG2515025
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/14/2025 18:46	WG2515025
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/14/2025 18:46	WG2515025
Tetrachloroethene	ND		1.00	1	05/14/2025 18:46	WG2515025
Toluene	ND		1.00	1	05/14/2025 18:46	WG2515025
1,2,3-Trichlorobenzene	ND		1.00	1	05/14/2025 18:46	WG2515025
1,2,4-Trichlorobenzene	ND		1.00	1	05/14/2025 18:46	WG2515025
1,1,1-Trichloroethane	ND		1.00	1	05/14/2025 18:46	WG2515025
1,1,2-Trichloroethane	ND		1.00	1	05/14/2025 18:46	WG2515025
Trichloroethene	ND		1.00	1	05/14/2025 18:46	WG2515025
Trichlorofluoromethane	ND		5.00	1	05/14/2025 18:46	WG2515025
1,2,3-Trichloropropane	ND		2.50	1	05/14/2025 18:46	WG2515025
1,2,4-Trimethylbenzene	ND		1.00	1	05/14/2025 18:46	WG2515025
1,2,3-Trimethylbenzene	ND		1.00	1	05/14/2025 18:46	WG2515025
1,3,5-Trimethylbenzene	ND		1.00	1	05/14/2025 18:46	WG2515025
Vinyl chloride	ND		1.00	1	05/14/2025 18:46	WG2515025
Xylenes, Total	ND		3.00	1	05/14/2025 18:46	WG2515025
(S) Toluene-d8	101		80.0-120		05/14/2025 18:46	WG2515025
(S) 4-Bromofluorobenzene	97.1		77.0-126		05/14/2025 18:46	WG2515025
(S) 1,2-Dichloroethane-d4	107		70.0-130		05/14/2025 18:46	WG2515025

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	407		100	1	05/15/2025 00:12	WG2514785
C28-C36 Motor Oil Range	630		100	1	05/15/2025 00:12	WG2514785
(S) o-Terphenyl	114		52.0-156		05/15/2025 00:12	WG2514785

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acenaphthene	ND		1.00	1	05/14/2025 20:33	WG2514985
Acenaphthylene	ND		1.00	1	05/14/2025 20:33	WG2514985
Anthracene	ND		1.00	1	05/14/2025 20:33	WG2514985
Benzdine	ND	J4	10.0	1	05/14/2025 20:33	WG2514985
Benzo(a)anthracene	ND		1.00	1	05/14/2025 20:33	WG2514985
Benzo(b)fluoranthene	ND		1.00	1	05/14/2025 20:33	WG2514985
Benzo(k)fluoranthene	ND		1.00	1	05/14/2025 20:33	WG2514985
Benzo(g,h,i)perylene	ND		1.00	1	05/14/2025 20:33	WG2514985
Benzo(a)pyrene	ND		1.00	1	05/14/2025 20:33	WG2514985
Bis(2-chloroethoxy)methane	ND		10.0	1	05/14/2025 20:33	WG2514985
Bis(2-chloroethyl)ether	ND		10.0	1	05/14/2025 20:33	WG2514985
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	05/14/2025 20:33	WG2514985

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4-Bromophenyl-phenylether	ND		10.0	1	05/14/2025 20:33	WG2514985
2-Chloronaphthalene	ND		1.00	1	05/14/2025 20:33	WG2514985
4-Chlorophenyl-phenylether	ND		10.0	1	05/14/2025 20:33	WG2514985
Chrysene	ND		1.00	1	05/14/2025 20:33	WG2514985
Dibenz(a,h)anthracene	ND		1.00	1	05/14/2025 20:33	WG2514985
1,2-Dichlorobenzene	ND		10.0	1	05/14/2025 20:33	WG2514985
1,3-Dichlorobenzene	ND		10.0	1	05/14/2025 20:33	WG2514985
1,4-Dichlorobenzene	ND		10.0	1	05/14/2025 20:33	WG2514985
3,3-Dichlorobenzidine	ND		10.0	1	05/14/2025 20:33	WG2514985
2,4-Dinitrotoluene	ND		10.0	1	05/14/2025 20:33	WG2514985
2,6-Dinitrotoluene	ND		10.0	1	05/14/2025 20:33	WG2514985
Fluoranthene	ND		1.00	1	05/14/2025 20:33	WG2514985
Fluorene	ND		1.00	1	05/14/2025 20:33	WG2514985
Hexachlorobenzene	ND		1.00	1	05/14/2025 20:33	WG2514985
Hexachloro-1,3-butadiene	ND		10.0	1	05/14/2025 20:33	WG2514985
Hexachlorocyclopentadiene	ND		10.0	1	05/14/2025 20:33	WG2514985
Hexachloroethane	ND		10.0	1	05/14/2025 20:33	WG2514985
Indeno(1,2,3-cd)pyrene	ND		1.00	1	05/14/2025 20:33	WG2514985
Isophorone	ND		10.0	1	05/14/2025 20:33	WG2514985
1-Methylnaphthalene	ND		1.00	1	05/14/2025 20:33	WG2514985
2-Methylnaphthalene	ND		1.00	1	05/14/2025 20:33	WG2514985
Naphthalene	ND		1.00	1	05/14/2025 20:33	WG2514985
Nitrobenzene	ND		10.0	1	05/14/2025 20:33	WG2514985
n-Nitrosodimethylamine	ND		10.0	1	05/14/2025 20:33	WG2514985
n-Nitrosodiphenylamine	ND		10.0	1	05/14/2025 20:33	WG2514985
n-Nitrosodi-n-propylamine	ND		10.0	1	05/14/2025 20:33	WG2514985
Phenanthrene	ND		1.00	1	05/14/2025 20:33	WG2514985
Benzylbutyl phthalate	ND		3.00	1	05/14/2025 20:33	WG2514985
Bis(2-ethylhexyl)phthalate	ND		3.00	1	05/14/2025 20:33	WG2514985
Di-n-butyl phthalate	ND		3.00	1	05/14/2025 20:33	WG2514985
Diethyl phthalate	ND		3.00	1	05/14/2025 20:33	WG2514985
Dimethyl phthalate	ND		3.00	1	05/14/2025 20:33	WG2514985
Di-n-octyl phthalate	ND		3.00	1	05/14/2025 20:33	WG2514985
Pyrene	ND		1.00	1	05/14/2025 20:33	WG2514985
1,2,4-Trichlorobenzene	ND		10.0	1	05/14/2025 20:33	WG2514985
4-Chloro-3-methylphenol	ND		10.0	1	05/14/2025 20:33	WG2514985
2-Chlorophenol	ND		10.0	1	05/14/2025 20:33	WG2514985
2,4-Dichlorophenol	ND		10.0	1	05/14/2025 20:33	WG2514985
2,4-Dimethylphenol	ND		10.0	1	05/14/2025 20:33	WG2514985
4,6-Dinitro-2-methylphenol	ND		10.0	1	05/14/2025 20:33	WG2514985
2,4-Dinitrophenol	ND		10.0	1	05/14/2025 20:33	WG2514985
2-Nitrophenol	ND		10.0	1	05/14/2025 20:33	WG2514985
4-Nitrophenol	ND		10.0	1	05/14/2025 20:33	WG2514985
Pentachlorophenol	ND		10.0	1	05/14/2025 20:33	WG2514985
Phenol	ND		10.0	1	05/14/2025 20:33	WG2514985
2,4,6-Trichlorophenol	ND		10.0	1	05/14/2025 20:33	WG2514985
(S) 2-Fluorophenol	37.7		10.0-120		05/14/2025 20:33	WG2514985
(S) Phenol-d5	28.0		10.0-120		05/14/2025 20:33	WG2514985
(S) Nitrobenzene-d5	65.3		10.0-127		05/14/2025 20:33	WG2514985
(S) 2-Fluorobiphenyl	57.6		10.0-130		05/14/2025 20:33	WG2514985
(S) 2,4,6-Tribromophenol	41.9		10.0-155		05/14/2025 20:33	WG2514985
(S) p-Terphenyl-d14	36.7		10.0-128		05/14/2025 20:33	WG2514985

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	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		50.0	1	05/14/2025 17:06	WG2515025
Acrolein	ND	<u>C3</u>	50.0	1	05/14/2025 17:06	WG2515025
Acrylonitrile	ND		10.0	1	05/14/2025 17:06	WG2515025
Benzene	ND		1.00	1	05/14/2025 17:06	WG2515025
Bromobenzene	ND		1.00	1	05/14/2025 17:06	WG2515025
Bromodichloromethane	ND		1.00	1	05/14/2025 17:06	WG2515025
Bromoform	ND		1.00	1	05/14/2025 17:06	WG2515025
Bromomethane	ND		5.00	1	05/14/2025 17:06	WG2515025
n-Butylbenzene	ND	<u>C3</u>	1.00	1	05/14/2025 17:06	WG2515025
sec-Butylbenzene	ND		1.00	1	05/14/2025 17:06	WG2515025
tert-Butylbenzene	ND		1.00	1	05/14/2025 17:06	WG2515025
Carbon tetrachloride	ND		1.00	1	05/14/2025 17:06	WG2515025
Chlorobenzene	ND		1.00	1	05/14/2025 17:06	WG2515025
Chlorodibromomethane	ND		1.00	1	05/14/2025 17:06	WG2515025
Chloroethane	ND		5.00	1	05/14/2025 17:06	WG2515025
Chloroform	ND		5.00	1	05/14/2025 17:06	WG2515025
Chloromethane	ND		2.50	1	05/14/2025 17:06	WG2515025
2-Chlorotoluene	ND		1.00	1	05/14/2025 17:06	WG2515025
4-Chlorotoluene	ND		1.00	1	05/14/2025 17:06	WG2515025
1,2-Dibromo-3-Chloropropane	ND		5.00	1	05/14/2025 17:06	WG2515025
1,2-Dibromoethane	ND		1.00	1	05/14/2025 17:06	WG2515025
Dibromomethane	ND		1.00	1	05/14/2025 17:06	WG2515025
1,2-Dichlorobenzene	ND		1.00	1	05/14/2025 17:06	WG2515025
1,3-Dichlorobenzene	ND		1.00	1	05/14/2025 17:06	WG2515025
1,4-Dichlorobenzene	ND		1.00	1	05/14/2025 17:06	WG2515025
Dichlorodifluoromethane	ND	<u>C3</u>	5.00	1	05/14/2025 17:06	WG2515025
1,1-Dichloroethane	ND		1.00	1	05/14/2025 17:06	WG2515025
1,2-Dichloroethane	ND		1.00	1	05/14/2025 17:06	WG2515025
1,1-Dichloroethene	ND		1.00	1	05/14/2025 17:06	WG2515025
cis-1,2-Dichloroethene	ND		1.00	1	05/14/2025 17:06	WG2515025
trans-1,2-Dichloroethene	ND		1.00	1	05/14/2025 17:06	WG2515025
1,2-Dichloropropane	ND		1.00	1	05/14/2025 17:06	WG2515025
1,1-Dichloropropene	ND		1.00	1	05/14/2025 17:06	WG2515025
1,3-Dichloropropane	ND		1.00	1	05/14/2025 17:06	WG2515025
cis-1,3-Dichloropropene	ND		1.00	1	05/14/2025 17:06	WG2515025
trans-1,3-Dichloropropene	ND		1.00	1	05/14/2025 17:06	WG2515025
2,2-Dichloropropane	ND	<u>C3</u>	1.00	1	05/14/2025 17:06	WG2515025
Di-isopropyl ether	ND		1.00	1	05/14/2025 17:06	WG2515025
Ethylbenzene	ND		1.00	1	05/14/2025 17:06	WG2515025
Hexachloro-1,3-butadiene	ND		1.00	1	05/14/2025 17:06	WG2515025
Isopropylbenzene	ND		1.00	1	05/14/2025 17:06	WG2515025
p-Isopropyltoluene	ND	<u>C3</u>	1.00	1	05/14/2025 17:06	WG2515025
2-Butanone (MEK)	ND		10.0	1	05/14/2025 17:06	WG2515025
Methylene Chloride	ND		5.00	1	05/14/2025 17:06	WG2515025
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/14/2025 17:06	WG2515025
Methyl tert-butyl ether	ND		1.00	1	05/14/2025 17:06	WG2515025
Naphthalene	ND		5.00	1	05/14/2025 17:06	WG2515025
n-Propylbenzene	ND		1.00	1	05/14/2025 17:06	WG2515025
Styrene	ND		1.00	1	05/14/2025 17:06	WG2515025
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/14/2025 17:06	WG2515025
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/14/2025 17:06	WG2515025
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/14/2025 17:06	WG2515025
Tetrachloroethene	ND		1.00	1	05/14/2025 17:06	WG2515025
Toluene	ND		1.00	1	05/14/2025 17:06	WG2515025
1,2,3-Trichlorobenzene	ND		1.00	1	05/14/2025 17:06	WG2515025
1,2,4-Trichlorobenzene	ND		1.00	1	05/14/2025 17:06	WG2515025

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	Qualifier	RDL	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		1.00	1	05/14/2025 17:06	WG2515025
1,1,2-Trichloroethane	ND		1.00	1	05/14/2025 17:06	WG2515025
Trichloroethene	ND		1.00	1	05/14/2025 17:06	WG2515025
Trichlorofluoromethane	ND		5.00	1	05/14/2025 17:06	WG2515025
1,2,3-Trichloropropane	ND		2.50	1	05/14/2025 17:06	WG2515025
1,2,4-Trimethylbenzene	ND		1.00	1	05/14/2025 17:06	WG2515025
1,2,3-Trimethylbenzene	ND		1.00	1	05/14/2025 17:06	WG2515025
1,3,5-Trimethylbenzene	ND		1.00	1	05/14/2025 17:06	WG2515025
Vinyl chloride	ND		1.00	1	05/14/2025 17:06	WG2515025
Xylenes, Total	ND		3.00	1	05/14/2025 17:06	WG2515025
(S) Toluene-d8	101		80.0-120		05/14/2025 17:06	WG2515025
(S) 4-Bromofluorobenzene	98.9		77.0-126		05/14/2025 17:06	WG2515025
(S) 1,2-Dichloroethane-d4	107		70.0-130		05/14/2025 17:06	WG2515025

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Total Nitrogen	11500		500	1	05/15/2025 10:06	WG2514860

1 Cp

2 Tc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	3440000		50000	1	05/14/2025 16:38	WG2514972

3 Ss

4 Cn

Gravimetric Analysis by Method 2540 D-2020

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	46800		10000	1	05/14/2025 16:10	WG2514965

5 Sr

6 Qc

Wet Chemistry by Method 130.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hardness (colorimetric) as CaCO3	1560000		150000	5	05/14/2025 23:23	WG2514766

7 Gl

8 Al

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Alkalinity	370000		20000	1	05/14/2025 15:12	WG2514868

9 Sc

Sample Narrative:

L1858461-15 WG2514868: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Bromide	ND		5000	5	05/14/2025 21:46	WG2514552
Chloride	157000		5000	5	05/14/2025 21:46	WG2514552
Fluoride	1410		750	5	05/14/2025 21:46	WG2514552
Nitrate as (N)	4650		500	5	05/14/2025 21:46	WG2514552
Nitrite as (N)	537		500	5	05/14/2025 21:46	WG2514552
Sulfate	1940000		250000	50	05/14/2025 22:02	WG2514552

Sample Narrative:

L1858461-15 WG2514552: Dilution due to matrix impact on instrumentation at lower dilution

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	550		100	1	05/14/2025 17:01	WG2514876

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	6290	B	1000	4	05/15/2025 10:06	WG2514860

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	496		100	1	05/15/2025 12:12	WG2515562

Wet Chemistry by Method 5310 B-2014

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	14700		1000	1	05/14/2025 18:03	WG2514781

Wet Chemistry by Method 5540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
MBAS	226		100	1	05/14/2025 17:29	WG2514880

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.500	1	05/15/2025 05:05	WG2514819

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	7.91	<u>T8</u>	1	05/14/2025 15:30	WG2515017

Sample Narrative:

L1858461-15 WG2515017: 7.91 at 21.7C

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	05/14/2025 18:35	WG2514899

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Aluminum	521		100	1	05/14/2025 20:04	WG2514982
Aluminum,Dissolved	ND		100	1	05/14/2025 19:20	WG2514984
Antimony	ND		4.00	1	05/14/2025 20:04	WG2514982
Arsenic	3.94		2.00	1	05/14/2025 20:04	WG2514982
Arsenic,Dissolved	3.84		2.00	1	05/14/2025 19:20	WG2514984
Barium	46.4		2.00	1	05/14/2025 20:04	WG2514982
Beryllium	ND		2.00	1	05/14/2025 20:04	WG2514982
Boron	496		150	5	05/14/2025 18:21	WG2514982
Cadmium	ND		1.00	1	05/14/2025 20:04	WG2514982
Cadmium,Dissolved	ND		1.00	1	05/14/2025 19:20	WG2514984
Calcium	274000		1000	1	05/14/2025 20:04	WG2514982
Chromium	ND		2.00	1	05/14/2025 20:04	WG2514982
Chromium,Dissolved	ND		2.00	1	05/14/2025 19:20	WG2514984
Copper	9.60		5.00	1	05/14/2025 20:04	WG2514982
Copper,Dissolved	ND		5.00	1	05/14/2025 19:20	WG2514984
Cobalt	ND		2.00	1	05/14/2025 20:04	WG2514982
Iron	625		100	1	05/14/2025 20:04	WG2514982
Lead	ND		2.00	1	05/14/2025 20:04	WG2514982
Lead,Dissolved	ND		2.00	1	05/14/2025 19:20	WG2514984
Magnesium	206000		1000	1	05/14/2025 20:04	WG2514982
Manganese	1190		5.00	1	05/14/2025 20:04	WG2514982
Manganese,Dissolved	1200	<u>V</u>	5.00	1	05/14/2025 19:20	WG2514984
Nickel	3.56		2.00	1	05/14/2025 20:04	WG2514982
Nickel,Dissolved	3.66		2.00	1	05/14/2025 19:20	WG2514984
Potassium	14700		2000	1	05/14/2025 20:04	WG2514982
Selenium	10.6		2.00	1	05/14/2025 20:04	WG2514982

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Selenium,Dissolved	12.4		2.00	1	05/14/2025 19:20	WG2514984
Silver	ND		2.00	1	05/14/2025 20:04	WG2514982
Silver,Dissolved	ND		2.00	1	05/14/2025 19:20	WG2514984
Sodium	486000		2000	1	05/14/2025 20:04	WG2514982
Thallium	ND		2.00	1	05/14/2025 20:04	WG2514982
Vanadium	ND		5.00	1	05/14/2025 20:04	WG2514982
Zinc	ND		25.0	1	05/14/2025 20:04	WG2514982
Zinc,Dissolved	ND		25.0	1	05/14/2025 19:20	WG2514984

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
TPH (GC/FID) Low Fraction	ND		100	1	05/14/2025 16:14	WG2515012
(S) a,a,a-Trifluorotoluene(FID)	102		78.0-120		05/14/2025 16:14	WG2515012

6 Qc

7 Gl

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		50.0	1	05/14/2025 19:06	WG2515025
Acrolein	ND	C3	50.0	1	05/14/2025 19:06	WG2515025
Acrylonitrile	ND		10.0	1	05/14/2025 19:06	WG2515025
Benzene	ND		1.00	1	05/14/2025 19:06	WG2515025
Bromobenzene	ND		1.00	1	05/14/2025 19:06	WG2515025
Bromodichloromethane	ND		1.00	1	05/14/2025 19:06	WG2515025
Bromoform	ND		1.00	1	05/14/2025 19:06	WG2515025
Bromomethane	ND		5.00	1	05/14/2025 19:06	WG2515025
n-Butylbenzene	ND	C3	1.00	1	05/14/2025 19:06	WG2515025
sec-Butylbenzene	ND		1.00	1	05/14/2025 19:06	WG2515025
tert-Butylbenzene	ND		1.00	1	05/14/2025 19:06	WG2515025
Carbon tetrachloride	ND		1.00	1	05/14/2025 19:06	WG2515025
Chlorobenzene	ND		1.00	1	05/14/2025 19:06	WG2515025
Chlorodibromomethane	ND		1.00	1	05/14/2025 19:06	WG2515025
Chloroethane	ND		5.00	1	05/14/2025 19:06	WG2515025
Chloroform	ND		5.00	1	05/14/2025 19:06	WG2515025
Chloromethane	ND		2.50	1	05/14/2025 19:06	WG2515025
2-Chlorotoluene	ND		1.00	1	05/14/2025 19:06	WG2515025
4-Chlorotoluene	ND		1.00	1	05/14/2025 19:06	WG2515025
1,2-Dibromo-3-Chloropropane	ND		5.00	1	05/14/2025 19:06	WG2515025
1,2-Dibromoethane	ND		1.00	1	05/14/2025 19:06	WG2515025
Dibromomethane	ND		1.00	1	05/14/2025 19:06	WG2515025
1,2-Dichlorobenzene	ND		1.00	1	05/14/2025 19:06	WG2515025
1,3-Dichlorobenzene	ND		1.00	1	05/14/2025 19:06	WG2515025
1,4-Dichlorobenzene	ND		1.00	1	05/14/2025 19:06	WG2515025
Dichlorodifluoromethane	ND	C3	5.00	1	05/14/2025 19:06	WG2515025
1,1-Dichloroethane	ND		1.00	1	05/14/2025 19:06	WG2515025
1,2-Dichloroethane	ND		1.00	1	05/14/2025 19:06	WG2515025
1,1-Dichloroethene	ND		1.00	1	05/14/2025 19:06	WG2515025
cis-1,2-Dichloroethene	ND		1.00	1	05/14/2025 19:06	WG2515025
trans-1,2-Dichloroethene	ND		1.00	1	05/14/2025 19:06	WG2515025
1,2-Dichloropropane	ND		1.00	1	05/14/2025 19:06	WG2515025
1,1-Dichloropropene	ND		1.00	1	05/14/2025 19:06	WG2515025
1,3-Dichloropropane	ND		1.00	1	05/14/2025 19:06	WG2515025
cis-1,3-Dichloropropene	ND		1.00	1	05/14/2025 19:06	WG2515025
trans-1,3-Dichloropropene	ND		1.00	1	05/14/2025 19:06	WG2515025
2,2-Dichloropropane	ND	C3	1.00	1	05/14/2025 19:06	WG2515025

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Di-isopropyl ether	ND		1.00	1	05/14/2025 19:06	WG2515025
Ethylbenzene	ND		1.00	1	05/14/2025 19:06	WG2515025
Hexachloro-1,3-butadiene	ND		1.00	1	05/14/2025 19:06	WG2515025
Isopropylbenzene	ND		1.00	1	05/14/2025 19:06	WG2515025
p-Isopropyltoluene	ND	C3	1.00	1	05/14/2025 19:06	WG2515025
2-Butanone (MEK)	ND		10.0	1	05/14/2025 19:06	WG2515025
Methylene Chloride	ND		5.00	1	05/14/2025 19:06	WG2515025
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/14/2025 19:06	WG2515025
Methyl tert-butyl ether	ND		1.00	1	05/14/2025 19:06	WG2515025
Naphthalene	ND		5.00	1	05/14/2025 19:06	WG2515025
n-Propylbenzene	ND		1.00	1	05/14/2025 19:06	WG2515025
Styrene	ND		1.00	1	05/14/2025 19:06	WG2515025
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/14/2025 19:06	WG2515025
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/14/2025 19:06	WG2515025
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/14/2025 19:06	WG2515025
Tetrachloroethene	ND		1.00	1	05/14/2025 19:06	WG2515025
Toluene	ND		1.00	1	05/14/2025 19:06	WG2515025
1,2,3-Trichlorobenzene	ND		1.00	1	05/14/2025 19:06	WG2515025
1,2,4-Trichlorobenzene	ND		1.00	1	05/14/2025 19:06	WG2515025
1,1,1-Trichloroethane	ND		1.00	1	05/14/2025 19:06	WG2515025
1,1,2-Trichloroethane	ND		1.00	1	05/14/2025 19:06	WG2515025
Trichloroethene	ND		1.00	1	05/14/2025 19:06	WG2515025
Trichlorofluoromethane	ND		5.00	1	05/14/2025 19:06	WG2515025
1,2,3-Trichloropropane	ND		2.50	1	05/14/2025 19:06	WG2515025
1,2,4-Trimethylbenzene	ND		1.00	1	05/14/2025 19:06	WG2515025
1,2,3-Trimethylbenzene	ND		1.00	1	05/14/2025 19:06	WG2515025
1,3,5-Trimethylbenzene	ND		1.00	1	05/14/2025 19:06	WG2515025
Vinyl chloride	ND		1.00	1	05/14/2025 19:06	WG2515025
Xylenes, Total	ND		3.00	1	05/14/2025 19:06	WG2515025
(S) Toluene-d8	101		80.0-120		05/14/2025 19:06	WG2515025
(S) 4-Bromofluorobenzene	97.9		77.0-126		05/14/2025 19:06	WG2515025
(S) 1,2-Dichloroethane-d4	110		70.0-130		05/14/2025 19:06	WG2515025

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	252		100	1	05/14/2025 22:15	WG2514785
C28-C36 Motor Oil Range	487		100	1	05/14/2025 22:15	WG2514785
(S) o-Terphenyl	111		52.0-156		05/14/2025 22:15	WG2514785

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acenaphthene	ND		1.01	1.01	05/14/2025 20:55	WG2514985
Acenaphthylene	ND		1.01	1.01	05/14/2025 20:55	WG2514985
Anthracene	ND		1.01	1.01	05/14/2025 20:55	WG2514985
Benidine	ND	J4	10.1	1.01	05/14/2025 20:55	WG2514985
Benzo(a)anthracene	ND		1.01	1.01	05/14/2025 20:55	WG2514985
Benzo(b)fluoranthene	ND		1.01	1.01	05/14/2025 20:55	WG2514985
Benzo(k)fluoranthene	ND		1.01	1.01	05/14/2025 20:55	WG2514985
Benzo(g,h,i)perylene	ND		1.01	1.01	05/14/2025 20:55	WG2514985
Benzo(a)pyrene	ND		1.01	1.01	05/14/2025 20:55	WG2514985
Bis(2-chloroethoxy)methane	ND		10.1	1.01	05/14/2025 20:55	WG2514985
Bis(2-chloroethyl)ether	ND		10.1	1.01	05/14/2025 20:55	WG2514985
2,2-Oxybis(1-Chloropropane)	ND		10.1	1.01	05/14/2025 20:55	WG2514985

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4-Bromophenyl-phenylether	ND		10.1	1.01	05/14/2025 20:55	WG2514985
2-Chloronaphthalene	ND		1.01	1.01	05/14/2025 20:55	WG2514985
4-Chlorophenyl-phenylether	ND		10.1	1.01	05/14/2025 20:55	WG2514985
Chrysene	ND		1.01	1.01	05/14/2025 20:55	WG2514985
Dibenz(a,h)anthracene	ND		1.01	1.01	05/14/2025 20:55	WG2514985
1,2-Dichlorobenzene	ND		10.1	1.01	05/14/2025 20:55	WG2514985
1,3-Dichlorobenzene	ND		10.1	1.01	05/14/2025 20:55	WG2514985
1,4-Dichlorobenzene	ND		10.1	1.01	05/14/2025 20:55	WG2514985
3,3-Dichlorobenzidine	ND		10.1	1.01	05/14/2025 20:55	WG2514985
2,4-Dinitrotoluene	ND		10.1	1.01	05/14/2025 20:55	WG2514985
2,6-Dinitrotoluene	ND		10.1	1.01	05/14/2025 20:55	WG2514985
Fluoranthene	ND		1.01	1.01	05/14/2025 20:55	WG2514985
Fluorene	ND		1.01	1.01	05/14/2025 20:55	WG2514985
Hexachlorobenzene	ND		1.01	1.01	05/14/2025 20:55	WG2514985
Hexachloro-1,3-butadiene	ND		10.1	1.01	05/14/2025 20:55	WG2514985
Hexachlorocyclopentadiene	ND		10.1	1.01	05/14/2025 20:55	WG2514985
Hexachloroethane	ND		10.1	1.01	05/14/2025 20:55	WG2514985
Indeno(1,2,3-cd)pyrene	ND		1.01	1.01	05/14/2025 20:55	WG2514985
Isophorone	ND		10.1	1.01	05/14/2025 20:55	WG2514985
1-Methylnaphthalene	ND		1.01	1.01	05/14/2025 20:55	WG2514985
2-Methylnaphthalene	ND		1.01	1.01	05/14/2025 20:55	WG2514985
Naphthalene	ND		1.01	1.01	05/14/2025 20:55	WG2514985
Nitrobenzene	ND		10.1	1.01	05/14/2025 20:55	WG2514985
n-Nitrosodimethylamine	ND		10.1	1.01	05/14/2025 20:55	WG2514985
n-Nitrosodiphenylamine	ND		10.1	1.01	05/14/2025 20:55	WG2514985
n-Nitrosodi-n-propylamine	ND		10.1	1.01	05/14/2025 20:55	WG2514985
Phenanthrene	ND		1.01	1.01	05/14/2025 20:55	WG2514985
Benzylbutyl phthalate	ND		3.03	1.01	05/14/2025 20:55	WG2514985
Bis(2-ethylhexyl)phthalate	ND		3.03	1.01	05/14/2025 20:55	WG2514985
Di-n-butyl phthalate	ND		3.03	1.01	05/14/2025 20:55	WG2514985
Diethyl phthalate	ND		3.03	1.01	05/14/2025 20:55	WG2514985
Dimethyl phthalate	ND		3.03	1.01	05/14/2025 20:55	WG2514985
Di-n-octyl phthalate	ND		3.03	1.01	05/14/2025 20:55	WG2514985
Pyrene	ND		1.01	1.01	05/14/2025 20:55	WG2514985
1,2,4-Trichlorobenzene	ND		10.1	1.01	05/14/2025 20:55	WG2514985
4-Chloro-3-methylphenol	ND		10.1	1.01	05/14/2025 20:55	WG2514985
2-Chlorophenol	ND		10.1	1.01	05/14/2025 20:55	WG2514985
2,4-Dichlorophenol	ND		10.1	1.01	05/14/2025 20:55	WG2514985
2,4-Dimethylphenol	ND		10.1	1.01	05/14/2025 20:55	WG2514985
4,6-Dinitro-2-methylphenol	ND		10.1	1.01	05/14/2025 20:55	WG2514985
2,4-Dinitrophenol	ND		10.1	1.01	05/14/2025 20:55	WG2514985
2-Nitrophenol	ND		10.1	1.01	05/14/2025 20:55	WG2514985
4-Nitrophenol	ND		10.1	1.01	05/14/2025 20:55	WG2514985
Pentachlorophenol	ND		10.1	1.01	05/14/2025 20:55	WG2514985
Phenol	ND		10.1	1.01	05/14/2025 20:55	WG2514985
2,4,6-Trichlorophenol	ND		10.1	1.01	05/14/2025 20:55	WG2514985
(S) 2-Fluorophenol	47.3		10.0-120		05/14/2025 20:55	WG2514985
(S) Phenol-d5	33.0		10.0-120		05/14/2025 20:55	WG2514985
(S) Nitrobenzene-d5	72.1		10.0-127		05/14/2025 20:55	WG2514985
(S) 2-Fluorobiphenyl	71.0		10.0-130		05/14/2025 20:55	WG2514985
(S) 2,4,6-Tribromophenol	57.4		10.0-155		05/14/2025 20:55	WG2514985
(S) p-Terphenyl-d14	63.2		10.0-128		05/14/2025 20:55	WG2514985

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	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		50.0	1	05/14/2025 17:26	WG2515025
Acrolein	ND	<u>C3</u>	50.0	1	05/14/2025 17:26	WG2515025
Acrylonitrile	ND		10.0	1	05/14/2025 17:26	WG2515025
Benzene	ND		1.00	1	05/14/2025 17:26	WG2515025
Bromobenzene	ND		1.00	1	05/14/2025 17:26	WG2515025
Bromodichloromethane	ND		1.00	1	05/14/2025 17:26	WG2515025
Bromoform	ND		1.00	1	05/14/2025 17:26	WG2515025
Bromomethane	ND		5.00	1	05/14/2025 17:26	WG2515025
n-Butylbenzene	ND	<u>C3</u>	1.00	1	05/14/2025 17:26	WG2515025
sec-Butylbenzene	ND		1.00	1	05/14/2025 17:26	WG2515025
tert-Butylbenzene	ND		1.00	1	05/14/2025 17:26	WG2515025
Carbon tetrachloride	ND		1.00	1	05/14/2025 17:26	WG2515025
Chlorobenzene	ND		1.00	1	05/14/2025 17:26	WG2515025
Chlorodibromomethane	ND		1.00	1	05/14/2025 17:26	WG2515025
Chloroethane	ND		5.00	1	05/14/2025 17:26	WG2515025
Chloroform	ND		5.00	1	05/14/2025 17:26	WG2515025
Chloromethane	ND		2.50	1	05/14/2025 17:26	WG2515025
2-Chlorotoluene	ND		1.00	1	05/14/2025 17:26	WG2515025
4-Chlorotoluene	ND		1.00	1	05/14/2025 17:26	WG2515025
1,2-Dibromo-3-Chloropropane	ND		5.00	1	05/14/2025 17:26	WG2515025
1,2-Dibromoethane	ND		1.00	1	05/14/2025 17:26	WG2515025
Dibromomethane	ND		1.00	1	05/14/2025 17:26	WG2515025
1,2-Dichlorobenzene	ND		1.00	1	05/14/2025 17:26	WG2515025
1,3-Dichlorobenzene	ND		1.00	1	05/14/2025 17:26	WG2515025
1,4-Dichlorobenzene	ND		1.00	1	05/14/2025 17:26	WG2515025
Dichlorodifluoromethane	ND	<u>C3</u>	5.00	1	05/14/2025 17:26	WG2515025
1,1-Dichloroethane	ND		1.00	1	05/14/2025 17:26	WG2515025
1,2-Dichloroethane	ND		1.00	1	05/14/2025 17:26	WG2515025
1,1-Dichloroethene	ND		1.00	1	05/14/2025 17:26	WG2515025
cis-1,2-Dichloroethene	ND		1.00	1	05/14/2025 17:26	WG2515025
trans-1,2-Dichloroethene	ND		1.00	1	05/14/2025 17:26	WG2515025
1,2-Dichloropropane	ND		1.00	1	05/14/2025 17:26	WG2515025
1,1-Dichloropropene	ND		1.00	1	05/14/2025 17:26	WG2515025
1,3-Dichloropropane	ND		1.00	1	05/14/2025 17:26	WG2515025
cis-1,3-Dichloropropene	ND		1.00	1	05/14/2025 17:26	WG2515025
trans-1,3-Dichloropropene	ND		1.00	1	05/14/2025 17:26	WG2515025
2,2-Dichloropropane	ND	<u>C3</u>	1.00	1	05/14/2025 17:26	WG2515025
Di-isopropyl ether	ND		1.00	1	05/14/2025 17:26	WG2515025
Ethylbenzene	ND		1.00	1	05/14/2025 17:26	WG2515025
Hexachloro-1,3-butadiene	ND		1.00	1	05/14/2025 17:26	WG2515025
Isopropylbenzene	ND		1.00	1	05/14/2025 17:26	WG2515025
p-Isopropyltoluene	ND	<u>C3</u>	1.00	1	05/14/2025 17:26	WG2515025
2-Butanone (MEK)	ND		10.0	1	05/14/2025 17:26	WG2515025
Methylene Chloride	ND		5.00	1	05/14/2025 17:26	WG2515025
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/14/2025 17:26	WG2515025
Methyl tert-butyl ether	ND		1.00	1	05/14/2025 17:26	WG2515025
Naphthalene	ND		5.00	1	05/14/2025 17:26	WG2515025
n-Propylbenzene	ND		1.00	1	05/14/2025 17:26	WG2515025
Styrene	ND		1.00	1	05/14/2025 17:26	WG2515025
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/14/2025 17:26	WG2515025
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/14/2025 17:26	WG2515025
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/14/2025 17:26	WG2515025
Tetrachloroethene	ND		1.00	1	05/14/2025 17:26	WG2515025
Toluene	ND		1.00	1	05/14/2025 17:26	WG2515025
1,2,3-Trichlorobenzene	ND		1.00	1	05/14/2025 17:26	WG2515025
1,2,4-Trichlorobenzene	ND		1.00	1	05/14/2025 17:26	WG2515025

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	Qualifier	RDL	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		1.00	1	05/14/2025 17:26	WG2515025
1,1,2-Trichloroethane	ND		1.00	1	05/14/2025 17:26	WG2515025
Trichloroethene	ND		1.00	1	05/14/2025 17:26	WG2515025
Trichlorofluoromethane	ND		5.00	1	05/14/2025 17:26	WG2515025
1,2,3-Trichloropropane	ND		2.50	1	05/14/2025 17:26	WG2515025
1,2,4-Trimethylbenzene	ND		1.00	1	05/14/2025 17:26	WG2515025
1,2,3-Trimethylbenzene	ND		1.00	1	05/14/2025 17:26	WG2515025
1,3,5-Trimethylbenzene	ND		1.00	1	05/14/2025 17:26	WG2515025
Vinyl chloride	ND		1.00	1	05/14/2025 17:26	WG2515025
Xylenes, Total	ND		3.00	1	05/14/2025 17:26	WG2515025
(S) Toluene-d8	99.6		80.0-120		05/14/2025 17:26	WG2515025
(S) 4-Bromofluorobenzene	96.3		77.0-126		05/14/2025 17:26	WG2515025
(S) 1,2-Dichloroethane-d4	108		70.0-130		05/14/2025 17:26	WG2515025

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Calculated Results

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Total Nitrogen	7210		250	1	05/15/2025 10:07	WG2514860

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	2350000		50000	1	05/14/2025 16:38	WG2514972

Gravimetric Analysis by Method 2540 D-2020

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	74000		10000	1	05/14/2025 16:10	WG2514965

Wet Chemistry by Method 130.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hardness (colorimetric) as CaCO3	1310000		150000	5	05/14/2025 23:25	WG2514766

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Alkalinity	381000		20000	1	05/14/2025 15:16	WG2514868

Sample Narrative:

L1858461-17 WG2514868: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Bromide	ND		5000	5	05/14/2025 22:19	WG2514552
Chloride	94400		5000	5	05/14/2025 22:19	WG2514552
Fluoride	1280		750	5	05/14/2025 22:19	WG2514552
Nitrate as (N)	4190		500	5	05/14/2025 22:19	WG2514552
Nitrite as (N)	ND		500	5	05/14/2025 22:19	WG2514552
Sulfate	1230000		250000	50	05/14/2025 22:35	WG2514552

Sample Narrative:

L1858461-17 WG2514552: Dilution due to matrix impact on instrumentation at lower dilution

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	565		100	1	05/14/2025 17:03	WG2514876

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	3020		250	1	05/15/2025 10:07	WG2514860

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	498		100	1	05/15/2025 12:14	WG2515562

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 5310 B-2014

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	14200		1000	1	05/14/2025 20:59	WG2514781



Wet Chemistry by Method 5540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
MBAS	134		100	1	05/14/2025 17:29	WG2514880

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.500	1	05/15/2025 05:17	WG2514819

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.07	<u>T8</u>	1	05/14/2025 15:30	WG2515017

Sample Narrative:

L1858461-17 WG2515017: 8.07 at 21.9C

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	05/14/2025 18:38	WG2514899

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Aluminum	1110		100	1	05/14/2025 20:07	WG2514982
Aluminum,Dissolved	ND		100	1	05/14/2025 19:35	WG2514984
Antimony	ND		4.00	1	05/14/2025 20:07	WG2514982
Arsenic	4.33		2.00	1	05/14/2025 20:07	WG2514982
Arsenic,Dissolved	3.61		2.00	1	05/14/2025 19:35	WG2514984
Barium	113		2.00	1	05/14/2025 20:07	WG2514982
Beryllium	ND		2.00	1	05/14/2025 20:07	WG2514982
Boron	436		150	5	05/14/2025 18:24	WG2514982
Cadmium	ND		1.00	1	05/14/2025 20:07	WG2514982
Cadmium,Dissolved	ND		1.00	1	05/14/2025 19:35	WG2514984
Calcium	258000		1000	1	05/14/2025 20:07	WG2514982
Chromium	ND		2.00	1	05/14/2025 20:07	WG2514982
Chromium,Dissolved	ND		2.00	1	05/14/2025 19:35	WG2514984
Copper	6.48		5.00	1	05/14/2025 20:07	WG2514982
Copper,Dissolved	ND		5.00	1	05/14/2025 19:35	WG2514984
Cobalt	2.53		2.00	1	05/14/2025 20:07	WG2514982
Iron	1500		100	1	05/14/2025 20:07	WG2514982
Lead	ND		2.00	1	05/14/2025 20:07	WG2514982
Lead,Dissolved	ND		2.00	1	05/14/2025 19:35	WG2514984
Magnesium	156000		1000	1	05/14/2025 20:07	WG2514982
Manganese	966		5.00	1	05/14/2025 20:07	WG2514982
Manganese,Dissolved	1040		5.00	1	05/14/2025 19:35	WG2514984
Nickel	5.12		2.00	1	05/14/2025 20:07	WG2514982
Nickel,Dissolved	4.85		2.00	1	05/14/2025 19:35	WG2514984
Potassium	14200		2000	1	05/14/2025 20:07	WG2514982
Selenium	5.14		2.00	1	05/14/2025 20:07	WG2514982

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Selenium,Dissolved	5.36		2.00	1	05/14/2025 19:35	WG2514984
Silver	ND		2.00	1	05/14/2025 20:07	WG2514982
Silver,Dissolved	ND		2.00	1	05/14/2025 19:35	WG2514984
Sodium	233000		2000	1	05/14/2025 20:07	WG2514982
Thallium	ND		2.00	1	05/14/2025 20:07	WG2514982
Vanadium	6.41		5.00	1	05/14/2025 20:07	WG2514982
Zinc	30.1		25.0	1	05/14/2025 20:07	WG2514982
Zinc,Dissolved	ND		25.0	1	05/14/2025 19:35	WG2514984

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		100	1	05/14/2025 16:37	WG2515012
(S) a,a,a-Trifluorotoluene(FID)	101		78.0-120		05/14/2025 16:37	WG2515012

6 Qc

7 Gl

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	05/14/2025 19:26	WG2515025
Acrolein	ND	C3	50.0	1	05/14/2025 19:26	WG2515025
Acrylonitrile	ND		10.0	1	05/14/2025 19:26	WG2515025
Benzene	ND		1.00	1	05/14/2025 19:26	WG2515025
Bromobenzene	ND		1.00	1	05/14/2025 19:26	WG2515025
Bromodichloromethane	ND		1.00	1	05/14/2025 19:26	WG2515025
Bromoform	ND		1.00	1	05/14/2025 19:26	WG2515025
Bromomethane	ND		5.00	1	05/14/2025 19:26	WG2515025
n-Butylbenzene	ND	C3	1.00	1	05/14/2025 19:26	WG2515025
sec-Butylbenzene	ND		1.00	1	05/14/2025 19:26	WG2515025
tert-Butylbenzene	ND		1.00	1	05/14/2025 19:26	WG2515025
Carbon tetrachloride	ND		1.00	1	05/14/2025 19:26	WG2515025
Chlorobenzene	ND		1.00	1	05/14/2025 19:26	WG2515025
Chlorodibromomethane	ND		1.00	1	05/14/2025 19:26	WG2515025
Chloroethane	ND		5.00	1	05/14/2025 19:26	WG2515025
Chloroform	ND		5.00	1	05/14/2025 19:26	WG2515025
Chloromethane	ND		2.50	1	05/14/2025 19:26	WG2515025
2-Chlorotoluene	ND		1.00	1	05/14/2025 19:26	WG2515025
4-Chlorotoluene	ND		1.00	1	05/14/2025 19:26	WG2515025
1,2-Dibromo-3-Chloropropane	ND		5.00	1	05/14/2025 19:26	WG2515025
1,2-Dibromoethane	ND		1.00	1	05/14/2025 19:26	WG2515025
Dibromomethane	ND		1.00	1	05/14/2025 19:26	WG2515025
1,2-Dichlorobenzene	ND		1.00	1	05/14/2025 19:26	WG2515025
1,3-Dichlorobenzene	ND		1.00	1	05/14/2025 19:26	WG2515025
1,4-Dichlorobenzene	ND		1.00	1	05/14/2025 19:26	WG2515025
Dichlorodifluoromethane	ND	C3	5.00	1	05/14/2025 19:26	WG2515025
1,1-Dichloroethane	ND		1.00	1	05/14/2025 19:26	WG2515025
1,2-Dichloroethane	ND		1.00	1	05/14/2025 19:26	WG2515025
1,1-Dichloroethene	ND		1.00	1	05/14/2025 19:26	WG2515025
cis-1,2-Dichloroethene	ND		1.00	1	05/14/2025 19:26	WG2515025
trans-1,2-Dichloroethene	ND		1.00	1	05/14/2025 19:26	WG2515025
1,2-Dichloropropane	ND		1.00	1	05/14/2025 19:26	WG2515025
1,1-Dichloropropene	ND		1.00	1	05/14/2025 19:26	WG2515025
1,3-Dichloropropane	ND		1.00	1	05/14/2025 19:26	WG2515025
cis-1,3-Dichloropropene	ND		1.00	1	05/14/2025 19:26	WG2515025
trans-1,3-Dichloropropene	ND		1.00	1	05/14/2025 19:26	WG2515025
2,2-Dichloropropane	ND	C3	1.00	1	05/14/2025 19:26	WG2515025

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Di-isopropyl ether	ND		1.00	1	05/14/2025 19:26	WG2515025
Ethylbenzene	ND		1.00	1	05/14/2025 19:26	WG2515025
Hexachloro-1,3-butadiene	ND		1.00	1	05/14/2025 19:26	WG2515025
Isopropylbenzene	ND		1.00	1	05/14/2025 19:26	WG2515025
p-Isopropyltoluene	ND	C3	1.00	1	05/14/2025 19:26	WG2515025
2-Butanone (MEK)	ND		10.0	1	05/14/2025 19:26	WG2515025
Methylene Chloride	ND		5.00	1	05/14/2025 19:26	WG2515025
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/14/2025 19:26	WG2515025
Methyl tert-butyl ether	ND		1.00	1	05/14/2025 19:26	WG2515025
Naphthalene	ND		5.00	1	05/14/2025 19:26	WG2515025
n-Propylbenzene	ND		1.00	1	05/14/2025 19:26	WG2515025
Styrene	ND		1.00	1	05/14/2025 19:26	WG2515025
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/14/2025 19:26	WG2515025
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/14/2025 19:26	WG2515025
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/14/2025 19:26	WG2515025
Tetrachloroethene	ND		1.00	1	05/14/2025 19:26	WG2515025
Toluene	ND		1.00	1	05/14/2025 19:26	WG2515025
1,2,3-Trichlorobenzene	ND		1.00	1	05/14/2025 19:26	WG2515025
1,2,4-Trichlorobenzene	ND		1.00	1	05/14/2025 19:26	WG2515025
1,1,1-Trichloroethane	ND		1.00	1	05/14/2025 19:26	WG2515025
1,1,2-Trichloroethane	ND		1.00	1	05/14/2025 19:26	WG2515025
Trichloroethene	ND		1.00	1	05/14/2025 19:26	WG2515025
Trichlorofluoromethane	ND		5.00	1	05/14/2025 19:26	WG2515025
1,2,3-Trichloropropane	ND		2.50	1	05/14/2025 19:26	WG2515025
1,2,4-Trimethylbenzene	ND		1.00	1	05/14/2025 19:26	WG2515025
1,2,3-Trimethylbenzene	ND		1.00	1	05/14/2025 19:26	WG2515025
1,3,5-Trimethylbenzene	ND		1.00	1	05/14/2025 19:26	WG2515025
Vinyl chloride	ND		1.00	1	05/14/2025 19:26	WG2515025
Xylenes, Total	ND		3.00	1	05/14/2025 19:26	WG2515025
(S) Toluene-d8	100		80.0-120		05/14/2025 19:26	WG2515025
(S) 4-Bromofluorobenzene	97.8		77.0-126		05/14/2025 19:26	WG2515025
(S) 1,2-Dichloroethane-d4	110		70.0-130		05/14/2025 19:26	WG2515025

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	306		100	1	05/14/2025 21:30	WG2514785
C28-C36 Motor Oil Range	481		100	1	05/14/2025 21:30	WG2514785
(S) o-Terphenyl	116		52.0-156		05/14/2025 21:30	WG2514785

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acenaphthene	ND		1.00	1	05/14/2025 21:17	WG2514985
Acenaphthylene	ND		1.00	1	05/14/2025 21:17	WG2514985
Anthracene	ND		1.00	1	05/14/2025 21:17	WG2514985
Benidine	ND	J4	10.0	1	05/14/2025 21:17	WG2514985
Benzo(a)anthracene	ND		1.00	1	05/14/2025 21:17	WG2514985
Benzo(b)fluoranthene	ND		1.00	1	05/14/2025 21:17	WG2514985
Benzo(k)fluoranthene	ND		1.00	1	05/14/2025 21:17	WG2514985
Benzo(g,h,i)perylene	ND		1.00	1	05/14/2025 21:17	WG2514985
Benzo(a)pyrene	ND		1.00	1	05/14/2025 21:17	WG2514985
Bis(2-chloroethoxy)methane	ND		10.0	1	05/14/2025 21:17	WG2514985
Bis(2-chloroethyl)ether	ND		10.0	1	05/14/2025 21:17	WG2514985
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	05/14/2025 21:17	WG2514985

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4-Bromophenyl-phenylether	ND		10.0	1	05/14/2025 21:17	WG2514985
2-Chloronaphthalene	ND		1.00	1	05/14/2025 21:17	WG2514985
4-Chlorophenyl-phenylether	ND		10.0	1	05/14/2025 21:17	WG2514985
Chrysene	ND		1.00	1	05/14/2025 21:17	WG2514985
Dibenz(a,h)anthracene	ND		1.00	1	05/14/2025 21:17	WG2514985
1,2-Dichlorobenzene	ND		10.0	1	05/14/2025 21:17	WG2514985
1,3-Dichlorobenzene	ND		10.0	1	05/14/2025 21:17	WG2514985
1,4-Dichlorobenzene	ND		10.0	1	05/14/2025 21:17	WG2514985
3,3-Dichlorobenzidine	ND		10.0	1	05/14/2025 21:17	WG2514985
2,4-Dinitrotoluene	ND		10.0	1	05/14/2025 21:17	WG2514985
2,6-Dinitrotoluene	ND		10.0	1	05/14/2025 21:17	WG2514985
Fluoranthene	ND		1.00	1	05/14/2025 21:17	WG2514985
Fluorene	ND		1.00	1	05/14/2025 21:17	WG2514985
Hexachlorobenzene	ND		1.00	1	05/14/2025 21:17	WG2514985
Hexachloro-1,3-butadiene	ND		10.0	1	05/14/2025 21:17	WG2514985
Hexachlorocyclopentadiene	ND		10.0	1	05/14/2025 21:17	WG2514985
Hexachloroethane	ND		10.0	1	05/14/2025 21:17	WG2514985
Indeno(1,2,3-cd)pyrene	ND		1.00	1	05/14/2025 21:17	WG2514985
Isophorone	ND		10.0	1	05/14/2025 21:17	WG2514985
1-Methylnaphthalene	ND		1.00	1	05/14/2025 21:17	WG2514985
2-Methylnaphthalene	ND		1.00	1	05/14/2025 21:17	WG2514985
Naphthalene	ND		1.00	1	05/14/2025 21:17	WG2514985
Nitrobenzene	ND		10.0	1	05/14/2025 21:17	WG2514985
n-Nitrosodimethylamine	ND		10.0	1	05/14/2025 21:17	WG2514985
n-Nitrosodiphenylamine	ND		10.0	1	05/14/2025 21:17	WG2514985
n-Nitrosodi-n-propylamine	ND		10.0	1	05/14/2025 21:17	WG2514985
Phenanthrene	ND		1.00	1	05/14/2025 21:17	WG2514985
Benzylbutyl phthalate	ND		3.00	1	05/14/2025 21:17	WG2514985
Bis(2-ethylhexyl)phthalate	ND		3.00	1	05/14/2025 21:17	WG2514985
Di-n-butyl phthalate	ND		3.00	1	05/14/2025 21:17	WG2514985
Diethyl phthalate	ND		3.00	1	05/14/2025 21:17	WG2514985
Dimethyl phthalate	ND		3.00	1	05/14/2025 21:17	WG2514985
Di-n-octyl phthalate	ND		3.00	1	05/14/2025 21:17	WG2514985
Pyrene	ND		1.00	1	05/14/2025 21:17	WG2514985
1,2,4-Trichlorobenzene	ND		10.0	1	05/14/2025 21:17	WG2514985
4-Chloro-3-methylphenol	ND		10.0	1	05/14/2025 21:17	WG2514985
2-Chlorophenol	ND		10.0	1	05/14/2025 21:17	WG2514985
2,4-Dichlorophenol	ND		10.0	1	05/14/2025 21:17	WG2514985
2,4-Dimethylphenol	ND		10.0	1	05/14/2025 21:17	WG2514985
4,6-Dinitro-2-methylphenol	ND		10.0	1	05/14/2025 21:17	WG2514985
2,4-Dinitrophenol	ND		10.0	1	05/14/2025 21:17	WG2514985
2-Nitrophenol	ND		10.0	1	05/14/2025 21:17	WG2514985
4-Nitrophenol	ND		10.0	1	05/14/2025 21:17	WG2514985
Pentachlorophenol	ND		10.0	1	05/14/2025 21:17	WG2514985
Phenol	ND		10.0	1	05/14/2025 21:17	WG2514985
2,4,6-Trichlorophenol	ND		10.0	1	05/14/2025 21:17	WG2514985
(S) 2-Fluorophenol	47.4		10.0-120		05/14/2025 21:17	WG2514985
(S) Phenol-d5	33.2		10.0-120		05/14/2025 21:17	WG2514985
(S) Nitrobenzene-d5	74.0		10.0-127		05/14/2025 21:17	WG2514985
(S) 2-Fluorobiphenyl	71.8		10.0-130		05/14/2025 21:17	WG2514985
(S) 2,4,6-Tribromophenol	59.0		10.0-155		05/14/2025 21:17	WG2514985
(S) p-Terphenyl-d14	67.2		10.0-128		05/14/2025 21:17	WG2514985

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	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		50.0	1	05/14/2025 17:46	WG2515025
Acrolein	ND	C3	50.0	1	05/14/2025 17:46	WG2515025
Acrylonitrile	ND		10.0	1	05/14/2025 17:46	WG2515025
Benzene	ND		1.00	1	05/14/2025 17:46	WG2515025
Bromobenzene	ND		1.00	1	05/14/2025 17:46	WG2515025
Bromodichloromethane	ND		1.00	1	05/14/2025 17:46	WG2515025
Bromoform	ND		1.00	1	05/14/2025 17:46	WG2515025
Bromomethane	ND		5.00	1	05/14/2025 17:46	WG2515025
n-Butylbenzene	ND	C3	1.00	1	05/14/2025 17:46	WG2515025
sec-Butylbenzene	ND		1.00	1	05/14/2025 17:46	WG2515025
tert-Butylbenzene	ND		1.00	1	05/14/2025 17:46	WG2515025
Carbon tetrachloride	ND		1.00	1	05/14/2025 17:46	WG2515025
Chlorobenzene	ND		1.00	1	05/14/2025 17:46	WG2515025
Chlorodibromomethane	ND		1.00	1	05/14/2025 17:46	WG2515025
Chloroethane	ND		5.00	1	05/14/2025 17:46	WG2515025
Chloroform	ND		5.00	1	05/14/2025 17:46	WG2515025
Chloromethane	ND		2.50	1	05/14/2025 17:46	WG2515025
2-Chlorotoluene	ND		1.00	1	05/14/2025 17:46	WG2515025
4-Chlorotoluene	ND		1.00	1	05/14/2025 17:46	WG2515025
1,2-Dibromo-3-Chloropropane	ND		5.00	1	05/14/2025 17:46	WG2515025
1,2-Dibromoethane	ND		1.00	1	05/14/2025 17:46	WG2515025
Dibromomethane	ND		1.00	1	05/14/2025 17:46	WG2515025
1,2-Dichlorobenzene	ND		1.00	1	05/14/2025 17:46	WG2515025
1,3-Dichlorobenzene	ND		1.00	1	05/14/2025 17:46	WG2515025
1,4-Dichlorobenzene	ND		1.00	1	05/14/2025 17:46	WG2515025
Dichlorodifluoromethane	ND	C3	5.00	1	05/14/2025 17:46	WG2515025
1,1-Dichloroethane	ND		1.00	1	05/14/2025 17:46	WG2515025
1,2-Dichloroethane	ND		1.00	1	05/14/2025 17:46	WG2515025
1,1-Dichloroethene	ND		1.00	1	05/14/2025 17:46	WG2515025
cis-1,2-Dichloroethene	ND		1.00	1	05/14/2025 17:46	WG2515025
trans-1,2-Dichloroethene	ND		1.00	1	05/14/2025 17:46	WG2515025
1,2-Dichloropropane	ND		1.00	1	05/14/2025 17:46	WG2515025
1,1-Dichloropropene	ND		1.00	1	05/14/2025 17:46	WG2515025
1,3-Dichloropropane	ND		1.00	1	05/14/2025 17:46	WG2515025
cis-1,3-Dichloropropene	ND		1.00	1	05/14/2025 17:46	WG2515025
trans-1,3-Dichloropropene	ND		1.00	1	05/14/2025 17:46	WG2515025
2,2-Dichloropropane	ND	C3	1.00	1	05/14/2025 17:46	WG2515025
Di-isopropyl ether	ND		1.00	1	05/14/2025 17:46	WG2515025
Ethylbenzene	ND		1.00	1	05/14/2025 17:46	WG2515025
Hexachloro-1,3-butadiene	ND		1.00	1	05/14/2025 17:46	WG2515025
Isopropylbenzene	ND		1.00	1	05/14/2025 17:46	WG2515025
p-Isopropyltoluene	ND	C3	1.00	1	05/14/2025 17:46	WG2515025
2-Butanone (MEK)	ND		10.0	1	05/14/2025 17:46	WG2515025
Methylene Chloride	ND		5.00	1	05/14/2025 17:46	WG2515025
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/14/2025 17:46	WG2515025
Methyl tert-butyl ether	ND		1.00	1	05/14/2025 17:46	WG2515025
Naphthalene	ND		5.00	1	05/14/2025 17:46	WG2515025
n-Propylbenzene	ND		1.00	1	05/14/2025 17:46	WG2515025
Styrene	ND		1.00	1	05/14/2025 17:46	WG2515025
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/14/2025 17:46	WG2515025
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/14/2025 17:46	WG2515025
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/14/2025 17:46	WG2515025
Tetrachloroethene	ND		1.00	1	05/14/2025 17:46	WG2515025
Toluene	ND		1.00	1	05/14/2025 17:46	WG2515025
1,2,3-Trichlorobenzene	ND		1.00	1	05/14/2025 17:46	WG2515025
1,2,4-Trichlorobenzene	ND		1.00	1	05/14/2025 17:46	WG2515025

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	Qualifier	RDL	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		1.00	1	05/14/2025 17:46	WG2515025
1,1,2-Trichloroethane	ND		1.00	1	05/14/2025 17:46	WG2515025
Trichloroethene	ND		1.00	1	05/14/2025 17:46	WG2515025
Trichlorofluoromethane	ND		5.00	1	05/14/2025 17:46	WG2515025
1,2,3-Trichloropropane	ND		2.50	1	05/14/2025 17:46	WG2515025
1,2,4-Trimethylbenzene	ND		1.00	1	05/14/2025 17:46	WG2515025
1,2,3-Trimethylbenzene	ND		1.00	1	05/14/2025 17:46	WG2515025
1,3,5-Trimethylbenzene	ND		1.00	1	05/14/2025 17:46	WG2515025
Vinyl chloride	ND		1.00	1	05/14/2025 17:46	WG2515025
Xylenes, Total	ND		3.00	1	05/14/2025 17:46	WG2515025
(S) Toluene-d8	98.8		80.0-120		05/14/2025 17:46	WG2515025
(S) 4-Bromofluorobenzene	97.3		77.0-126		05/14/2025 17:46	WG2515025
(S) 1,2-Dichloroethane-d4	108		70.0-130		05/14/2025 17:46	WG2515025

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Calculated Results

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Total Nitrogen	3500		250	1	05/15/2025 10:09	WG2514860



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	2440000		50000	1	05/14/2025 16:38	WG2514972



Gravimetric Analysis by Method 2540 D-2020

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	9200		2500	1	05/14/2025 16:10	WG2514965



Wet Chemistry by Method 130.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hardness (colorimetric) as CaCO3	1380000		150000	5	05/14/2025 23:26	WG2514766



Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Alkalinity	450000		20000	1	05/14/2025 15:19	WG2514868



Sample Narrative:

L1858461-19 WG2514868: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Bromide	ND		5000	5	05/14/2025 22:51	WG2514552
Chloride	109000		5000	5	05/14/2025 22:51	WG2514552
Fluoride	1120		750	5	05/14/2025 22:51	WG2514552
Nitrate as (N)	996		500	5	05/14/2025 22:51	WG2514552
Nitrite as (N)	ND		500	5	05/14/2025 22:51	WG2514552
Sulfate	1330000		250000	50	05/14/2025 23:08	WG2514552

Sample Narrative:

L1858461-19 WG2514552: Dilution due to matrix impact on instrumentation at lower dilution

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	362		100	1	05/14/2025 17:05	WG2514876

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	2510		250	1	05/15/2025 10:09	WG2514860

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	222		100	1	05/15/2025 12:15	WG2515562

Wet Chemistry by Method 5310 B-2014

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	17500		1000	1	05/14/2025 21:23	WG2514781

Wet Chemistry by Method 5540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
MBAS	303		100	1	05/14/2025 17:30	WG2514880

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.500	1	05/15/2025 05:30	WG2514819

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	7.96	<u>T8</u>	1	05/14/2025 15:30	WG2515017

Sample Narrative:

L1858461-19 WG2515017: 7.96 at 21.7C

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	05/14/2025 18:41	WG2514899

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Aluminum	210		100	1	05/14/2025 19:51	WG2514982
Aluminum,Dissolved	ND		100	1	05/14/2025 19:53	WG2514984
Antimony	ND		4.00	1	05/14/2025 19:51	WG2514982
Arsenic	ND		2.00	1	05/14/2025 19:51	WG2514982
Arsenic,Dissolved	ND		2.00	1	05/14/2025 19:53	WG2514984
Barium	56.8		2.00	1	05/14/2025 19:51	WG2514982
Beryllium	ND		2.00	1	05/14/2025 19:51	WG2514982
Boron	451	<u>V</u>	150	5	05/14/2025 18:05	WG2514982
Cadmium	ND		1.00	1	05/14/2025 19:51	WG2514982
Cadmium,Dissolved	ND		1.00	1	05/14/2025 19:53	WG2514984
Calcium	282000	<u>V</u>	1000	1	05/14/2025 19:51	WG2514982
Chromium	ND		2.00	1	05/14/2025 19:51	WG2514982
Chromium,Dissolved	ND		2.00	1	05/14/2025 19:53	WG2514984
Copper	5.36		5.00	1	05/14/2025 19:51	WG2514982
Copper,Dissolved	ND		5.00	1	05/14/2025 19:53	WG2514984
Cobalt	2.06		2.00	1	05/14/2025 19:51	WG2514982
Iron	709		100	1	05/14/2025 19:51	WG2514982
Lead	ND		2.00	1	05/14/2025 19:51	WG2514982
Lead,Dissolved	ND		2.00	1	05/14/2025 19:53	WG2514984
Magnesium	162000	<u>V</u>	1000	1	05/14/2025 19:51	WG2514982
Manganese	1290	<u>V</u>	5.00	1	05/14/2025 19:51	WG2514982
Manganese,Dissolved	1240		5.00	1	05/14/2025 19:53	WG2514984
Nickel	6.13		2.00	1	05/14/2025 19:51	WG2514982
Nickel,Dissolved	6.00		2.00	1	05/14/2025 19:53	WG2514984
Potassium	13800		2000	1	05/14/2025 19:51	WG2514982
Selenium	3.19		2.00	1	05/14/2025 19:51	WG2514982

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Selenium,Dissolved	2.51		2.00	1	05/14/2025 19:53	WG2514984
Silver	ND		2.00	1	05/14/2025 19:51	WG2514982
Silver,Dissolved	ND		2.00	1	05/14/2025 19:53	WG2514984
Sodium	275000	V	2000	1	05/14/2025 19:51	WG2514982
Thallium	ND		2.00	1	05/14/2025 19:51	WG2514982
Vanadium	ND		5.00	1	05/14/2025 19:51	WG2514982
Zinc	ND		25.0	1	05/14/2025 19:51	WG2514982
Zinc,Dissolved	ND		25.0	1	05/14/2025 19:53	WG2514984

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
TPH (GC/FID) Low Fraction	ND		100	1	05/14/2025 16:59	WG2515012
(S) a,a,a-Trifluorotoluene(FID)	102		78.0-120		05/14/2025 16:59	WG2515012

6 Qc

7 Gl

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		50.0	1	05/14/2025 19:46	WG2515025
Acrolein	ND	C3	50.0	1	05/14/2025 19:46	WG2515025
Acrylonitrile	ND		10.0	1	05/14/2025 19:46	WG2515025
Benzene	ND		1.00	1	05/14/2025 19:46	WG2515025
Bromobenzene	ND		1.00	1	05/14/2025 19:46	WG2515025
Bromodichloromethane	ND		1.00	1	05/14/2025 19:46	WG2515025
Bromoform	ND		1.00	1	05/14/2025 19:46	WG2515025
Bromomethane	ND		5.00	1	05/14/2025 19:46	WG2515025
n-Butylbenzene	ND	C3	1.00	1	05/14/2025 19:46	WG2515025
sec-Butylbenzene	ND		1.00	1	05/14/2025 19:46	WG2515025
tert-Butylbenzene	ND		1.00	1	05/14/2025 19:46	WG2515025
Carbon tetrachloride	ND		1.00	1	05/14/2025 19:46	WG2515025
Chlorobenzene	ND		1.00	1	05/14/2025 19:46	WG2515025
Chlorodibromomethane	ND		1.00	1	05/14/2025 19:46	WG2515025
Chloroethane	ND		5.00	1	05/14/2025 19:46	WG2515025
Chloroform	ND		5.00	1	05/14/2025 19:46	WG2515025
Chloromethane	ND		2.50	1	05/14/2025 19:46	WG2515025
2-Chlorotoluene	ND		1.00	1	05/14/2025 19:46	WG2515025
4-Chlorotoluene	ND		1.00	1	05/14/2025 19:46	WG2515025
1,2-Dibromo-3-Chloropropane	ND		5.00	1	05/14/2025 19:46	WG2515025
1,2-Dibromoethane	ND		1.00	1	05/14/2025 19:46	WG2515025
Dibromomethane	ND		1.00	1	05/14/2025 19:46	WG2515025
1,2-Dichlorobenzene	ND		1.00	1	05/14/2025 19:46	WG2515025
1,3-Dichlorobenzene	ND		1.00	1	05/14/2025 19:46	WG2515025
1,4-Dichlorobenzene	ND		1.00	1	05/14/2025 19:46	WG2515025
Dichlorodifluoromethane	ND	C3	5.00	1	05/14/2025 19:46	WG2515025
1,1-Dichloroethane	ND		1.00	1	05/14/2025 19:46	WG2515025
1,2-Dichloroethane	ND		1.00	1	05/14/2025 19:46	WG2515025
1,1-Dichloroethene	ND		1.00	1	05/14/2025 19:46	WG2515025
cis-1,2-Dichloroethene	ND		1.00	1	05/14/2025 19:46	WG2515025
trans-1,2-Dichloroethene	ND		1.00	1	05/14/2025 19:46	WG2515025
1,2-Dichloropropane	ND		1.00	1	05/14/2025 19:46	WG2515025
1,1-Dichloropropene	ND		1.00	1	05/14/2025 19:46	WG2515025
1,3-Dichloropropane	ND		1.00	1	05/14/2025 19:46	WG2515025
cis-1,3-Dichloropropene	ND		1.00	1	05/14/2025 19:46	WG2515025
trans-1,3-Dichloropropene	ND		1.00	1	05/14/2025 19:46	WG2515025
2,2-Dichloropropane	ND	C3	1.00	1	05/14/2025 19:46	WG2515025

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Di-isopropyl ether	ND		1.00	1	05/14/2025 19:46	WG2515025
Ethylbenzene	ND		1.00	1	05/14/2025 19:46	WG2515025
Hexachloro-1,3-butadiene	ND		1.00	1	05/14/2025 19:46	WG2515025
Isopropylbenzene	ND		1.00	1	05/14/2025 19:46	WG2515025
p-Isopropyltoluene	ND	C3	1.00	1	05/14/2025 19:46	WG2515025
2-Butanone (MEK)	ND		10.0	1	05/14/2025 19:46	WG2515025
Methylene Chloride	ND		5.00	1	05/14/2025 19:46	WG2515025
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/14/2025 19:46	WG2515025
Methyl tert-butyl ether	ND		1.00	1	05/14/2025 19:46	WG2515025
Naphthalene	ND		5.00	1	05/14/2025 19:46	WG2515025
n-Propylbenzene	ND		1.00	1	05/14/2025 19:46	WG2515025
Styrene	ND		1.00	1	05/14/2025 19:46	WG2515025
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/14/2025 19:46	WG2515025
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/14/2025 19:46	WG2515025
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/14/2025 19:46	WG2515025
Tetrachloroethene	ND		1.00	1	05/14/2025 19:46	WG2515025
Toluene	ND		1.00	1	05/14/2025 19:46	WG2515025
1,2,3-Trichlorobenzene	ND		1.00	1	05/14/2025 19:46	WG2515025
1,2,4-Trichlorobenzene	ND		1.00	1	05/14/2025 19:46	WG2515025
1,1,1-Trichloroethane	ND		1.00	1	05/14/2025 19:46	WG2515025
1,1,2-Trichloroethane	ND		1.00	1	05/14/2025 19:46	WG2515025
Trichloroethene	ND		1.00	1	05/14/2025 19:46	WG2515025
Trichlorofluoromethane	ND		5.00	1	05/14/2025 19:46	WG2515025
1,2,3-Trichloropropane	ND		2.50	1	05/14/2025 19:46	WG2515025
1,2,4-Trimethylbenzene	ND		1.00	1	05/14/2025 19:46	WG2515025
1,2,3-Trimethylbenzene	ND		1.00	1	05/14/2025 19:46	WG2515025
1,3,5-Trimethylbenzene	ND		1.00	1	05/14/2025 19:46	WG2515025
Vinyl chloride	ND		1.00	1	05/14/2025 19:46	WG2515025
Xylenes, Total	ND		3.00	1	05/14/2025 19:46	WG2515025
(S) Toluene-d8	99.9		80.0-120		05/14/2025 19:46	WG2515025
(S) 4-Bromofluorobenzene	98.8		77.0-126		05/14/2025 19:46	WG2515025
(S) 1,2-Dichloroethane-d4	109		70.0-130		05/14/2025 19:46	WG2515025

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	281		100	1	05/14/2025 21:52	WG2514785
C28-C36 Motor Oil Range	536		100	1	05/14/2025 21:52	WG2514785
(S) o-Terphenyl	118		52.0-156		05/14/2025 21:52	WG2514785

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acenaphthene	ND		1.00	1	05/14/2025 21:38	WG2514985
Acenaphthylene	ND		1.00	1	05/14/2025 21:38	WG2514985
Anthracene	ND		1.00	1	05/14/2025 21:38	WG2514985
Benidine	ND	J4	10.0	1	05/14/2025 21:38	WG2514985
Benzo(a)anthracene	ND		1.00	1	05/14/2025 21:38	WG2514985
Benzo(b)fluoranthene	ND		1.00	1	05/14/2025 21:38	WG2514985
Benzo(k)fluoranthene	ND		1.00	1	05/14/2025 21:38	WG2514985
Benzo(g,h,i)perylene	ND		1.00	1	05/14/2025 21:38	WG2514985
Benzo(a)pyrene	ND		1.00	1	05/14/2025 21:38	WG2514985
Bis(2-chloroethoxy)methane	ND		10.0	1	05/14/2025 21:38	WG2514985
Bis(2-chloroethyl)ether	ND		10.0	1	05/14/2025 21:38	WG2514985
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	05/14/2025 21:38	WG2514985

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4-Bromophenyl-phenylether	ND		10.0	1	05/14/2025 21:38	WG2514985
2-Chloronaphthalene	ND		1.00	1	05/14/2025 21:38	WG2514985
4-Chlorophenyl-phenylether	ND		10.0	1	05/14/2025 21:38	WG2514985
Chrysene	ND		1.00	1	05/14/2025 21:38	WG2514985
Dibenz(a,h)anthracene	ND		1.00	1	05/14/2025 21:38	WG2514985
1,2-Dichlorobenzene	ND		10.0	1	05/14/2025 21:38	WG2514985
1,3-Dichlorobenzene	ND		10.0	1	05/14/2025 21:38	WG2514985
1,4-Dichlorobenzene	ND		10.0	1	05/14/2025 21:38	WG2514985
3,3-Dichlorobenzidine	ND		10.0	1	05/14/2025 21:38	WG2514985
2,4-Dinitrotoluene	ND		10.0	1	05/14/2025 21:38	WG2514985
2,6-Dinitrotoluene	ND		10.0	1	05/14/2025 21:38	WG2514985
Fluoranthene	ND		1.00	1	05/14/2025 21:38	WG2514985
Fluorene	ND		1.00	1	05/14/2025 21:38	WG2514985
Hexachlorobenzene	ND		1.00	1	05/14/2025 21:38	WG2514985
Hexachloro-1,3-butadiene	ND		10.0	1	05/14/2025 21:38	WG2514985
Hexachlorocyclopentadiene	ND		10.0	1	05/14/2025 21:38	WG2514985
Hexachloroethane	ND		10.0	1	05/14/2025 21:38	WG2514985
Indeno(1,2,3-cd)pyrene	ND		1.00	1	05/14/2025 21:38	WG2514985
Isophorone	ND		10.0	1	05/14/2025 21:38	WG2514985
1-Methylnaphthalene	ND		1.00	1	05/14/2025 21:38	WG2514985
2-Methylnaphthalene	ND		1.00	1	05/14/2025 21:38	WG2514985
Naphthalene	ND		1.00	1	05/14/2025 21:38	WG2514985
Nitrobenzene	ND		10.0	1	05/14/2025 21:38	WG2514985
n-Nitrosodimethylamine	ND		10.0	1	05/14/2025 21:38	WG2514985
n-Nitrosodiphenylamine	ND		10.0	1	05/14/2025 21:38	WG2514985
n-Nitrosodi-n-propylamine	ND		10.0	1	05/14/2025 21:38	WG2514985
Phenanthrene	ND		1.00	1	05/14/2025 21:38	WG2514985
Benzylbutyl phthalate	ND		3.00	1	05/14/2025 21:38	WG2514985
Bis(2-ethylhexyl)phthalate	ND		3.00	1	05/14/2025 21:38	WG2514985
Di-n-butyl phthalate	ND		3.00	1	05/14/2025 21:38	WG2514985
Diethyl phthalate	ND		3.00	1	05/14/2025 21:38	WG2514985
Dimethyl phthalate	ND		3.00	1	05/14/2025 21:38	WG2514985
Di-n-octyl phthalate	ND		3.00	1	05/14/2025 21:38	WG2514985
Pyrene	ND		1.00	1	05/14/2025 21:38	WG2514985
1,2,4-Trichlorobenzene	ND		10.0	1	05/14/2025 21:38	WG2514985
4-Chloro-3-methylphenol	ND		10.0	1	05/14/2025 21:38	WG2514985
2-Chlorophenol	ND		10.0	1	05/14/2025 21:38	WG2514985
2,4-Dichlorophenol	ND		10.0	1	05/14/2025 21:38	WG2514985
2,4-Dimethylphenol	ND		10.0	1	05/14/2025 21:38	WG2514985
4,6-Dinitro-2-methylphenol	ND		10.0	1	05/14/2025 21:38	WG2514985
2,4-Dinitrophenol	ND		10.0	1	05/14/2025 21:38	WG2514985
2-Nitrophenol	ND		10.0	1	05/14/2025 21:38	WG2514985
4-Nitrophenol	ND		10.0	1	05/14/2025 21:38	WG2514985
Pentachlorophenol	ND		10.0	1	05/14/2025 21:38	WG2514985
Phenol	ND		10.0	1	05/14/2025 21:38	WG2514985
2,4,6-Trichlorophenol	ND		10.0	1	05/14/2025 21:38	WG2514985
(S) 2-Fluorophenol	39.3		10.0-120		05/14/2025 21:38	WG2514985
(S) Phenol-d5	30.9		10.0-120		05/14/2025 21:38	WG2514985
(S) Nitrobenzene-d5	67.7		10.0-127		05/14/2025 21:38	WG2514985
(S) 2-Fluorobiphenyl	65.1		10.0-130		05/14/2025 21:38	WG2514985
(S) 2,4,6-Tribromophenol	52.5		10.0-155		05/14/2025 21:38	WG2514985
(S) p-Terphenyl-d14	54.6		10.0-128		05/14/2025 21:38	WG2514985

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	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		50.0	1	05/14/2025 18:06	WG2515025
Acrolein	ND	<u>C3</u>	50.0	1	05/14/2025 18:06	WG2515025
Acrylonitrile	ND		10.0	1	05/14/2025 18:06	WG2515025
Benzene	ND		1.00	1	05/14/2025 18:06	WG2515025
Bromobenzene	ND		1.00	1	05/14/2025 18:06	WG2515025
Bromodichloromethane	ND		1.00	1	05/14/2025 18:06	WG2515025
Bromoform	ND		1.00	1	05/14/2025 18:06	WG2515025
Bromomethane	ND		5.00	1	05/14/2025 18:06	WG2515025
n-Butylbenzene	ND	<u>C3</u>	1.00	1	05/14/2025 18:06	WG2515025
sec-Butylbenzene	ND		1.00	1	05/14/2025 18:06	WG2515025
tert-Butylbenzene	ND		1.00	1	05/14/2025 18:06	WG2515025
Carbon tetrachloride	ND		1.00	1	05/14/2025 18:06	WG2515025
Chlorobenzene	ND		1.00	1	05/14/2025 18:06	WG2515025
Chlorodibromomethane	ND		1.00	1	05/14/2025 18:06	WG2515025
Chloroethane	ND		5.00	1	05/14/2025 18:06	WG2515025
Chloroform	ND		5.00	1	05/14/2025 18:06	WG2515025
Chloromethane	ND		2.50	1	05/14/2025 18:06	WG2515025
2-Chlorotoluene	ND		1.00	1	05/14/2025 18:06	WG2515025
4-Chlorotoluene	ND		1.00	1	05/14/2025 18:06	WG2515025
1,2-Dibromo-3-Chloropropane	ND		5.00	1	05/14/2025 18:06	WG2515025
1,2-Dibromoethane	ND		1.00	1	05/14/2025 18:06	WG2515025
Dibromomethane	ND		1.00	1	05/14/2025 18:06	WG2515025
1,2-Dichlorobenzene	ND		1.00	1	05/14/2025 18:06	WG2515025
1,3-Dichlorobenzene	ND		1.00	1	05/14/2025 18:06	WG2515025
1,4-Dichlorobenzene	ND		1.00	1	05/14/2025 18:06	WG2515025
Dichlorodifluoromethane	ND	<u>C3</u>	5.00	1	05/14/2025 18:06	WG2515025
1,1-Dichloroethane	ND		1.00	1	05/14/2025 18:06	WG2515025
1,2-Dichloroethane	ND		1.00	1	05/14/2025 18:06	WG2515025
1,1-Dichloroethene	ND		1.00	1	05/14/2025 18:06	WG2515025
cis-1,2-Dichloroethene	ND		1.00	1	05/14/2025 18:06	WG2515025
trans-1,2-Dichloroethene	ND		1.00	1	05/14/2025 18:06	WG2515025
1,2-Dichloropropane	ND		1.00	1	05/14/2025 18:06	WG2515025
1,1-Dichloropropene	ND		1.00	1	05/14/2025 18:06	WG2515025
1,3-Dichloropropane	ND		1.00	1	05/14/2025 18:06	WG2515025
cis-1,3-Dichloropropene	ND		1.00	1	05/14/2025 18:06	WG2515025
trans-1,3-Dichloropropene	ND		1.00	1	05/14/2025 18:06	WG2515025
2,2-Dichloropropane	ND	<u>C3</u>	1.00	1	05/14/2025 18:06	WG2515025
Di-isopropyl ether	ND		1.00	1	05/14/2025 18:06	WG2515025
Ethylbenzene	ND		1.00	1	05/14/2025 18:06	WG2515025
Hexachloro-1,3-butadiene	ND		1.00	1	05/14/2025 18:06	WG2515025
Isopropylbenzene	ND		1.00	1	05/14/2025 18:06	WG2515025
p-Isopropyltoluene	ND	<u>C3</u>	1.00	1	05/14/2025 18:06	WG2515025
2-Butanone (MEK)	ND		10.0	1	05/14/2025 18:06	WG2515025
Methylene Chloride	ND		5.00	1	05/14/2025 18:06	WG2515025
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/14/2025 18:06	WG2515025
Methyl tert-butyl ether	ND		1.00	1	05/14/2025 18:06	WG2515025
Naphthalene	ND		5.00	1	05/14/2025 18:06	WG2515025
n-Propylbenzene	ND		1.00	1	05/14/2025 18:06	WG2515025
Styrene	ND		1.00	1	05/14/2025 18:06	WG2515025
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/14/2025 18:06	WG2515025
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/14/2025 18:06	WG2515025
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/14/2025 18:06	WG2515025
Tetrachloroethene	ND		1.00	1	05/14/2025 18:06	WG2515025
Toluene	ND		1.00	1	05/14/2025 18:06	WG2515025
1,2,3-Trichlorobenzene	ND		1.00	1	05/14/2025 18:06	WG2515025
1,2,4-Trichlorobenzene	ND		1.00	1	05/14/2025 18:06	WG2515025

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 ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		1.00	1	05/14/2025 18:06	WG2515025
1,1,2-Trichloroethane	ND		1.00	1	05/14/2025 18:06	WG2515025
Trichloroethene	ND		1.00	1	05/14/2025 18:06	WG2515025
Trichlorofluoromethane	ND		5.00	1	05/14/2025 18:06	WG2515025
1,2,3-Trichloropropane	ND		2.50	1	05/14/2025 18:06	WG2515025
1,2,4-Trimethylbenzene	ND		1.00	1	05/14/2025 18:06	WG2515025
1,2,3-Trimethylbenzene	ND		1.00	1	05/14/2025 18:06	WG2515025
1,3,5-Trimethylbenzene	ND		1.00	1	05/14/2025 18:06	WG2515025
Vinyl chloride	ND		1.00	1	05/14/2025 18:06	WG2515025
Xylenes, Total	ND		3.00	1	05/14/2025 18:06	WG2515025
(S) Toluene-d8	102		80.0-120		05/14/2025 18:06	WG2515025
(S) 4-Bromofluorobenzene	99.3		77.0-126		05/14/2025 18:06	WG2515025
(S) 1,2-Dichloroethane-d4	108		70.0-130		05/14/2025 18:06	WG2515025

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Total Nitrogen	3790		250	1	05/15/2025 10:10	WG2514860

1 Cp

2 Tc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	962000		20000	1	05/14/2025 16:38	WG2514972

3 Ss

4 Cn

Gravimetric Analysis by Method 2540 D-2020

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	4080		2550	1	05/14/2025 16:10	WG2514965

5 Sr

6 Qc

Wet Chemistry by Method 130.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hardness (colorimetric) as CaCO3	615000		150000	5	05/14/2025 23:27	WG2514766

7 Gl

8 Al

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Alkalinity	391000		20000	1	05/14/2025 15:23	WG2514868

9 Sc

Sample Narrative:

L1858461-21 WG2514868: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Bromide	ND		5000	5	05/14/2025 23:57	WG2514552
Chloride	15100		5000	5	05/14/2025 23:57	WG2514552
Fluoride	2610		750	5	05/14/2025 23:57	WG2514552
Nitrate as (N)	3630		500	5	05/14/2025 23:57	WG2514552
Nitrite as (N)	ND		500	5	05/14/2025 23:57	WG2514552
Sulfate	353000		25000	5	05/14/2025 23:57	WG2514552

Sample Narrative:

L1858461-21 WG2514552: Dilution due to matrix impact on instrumentation at lower dilution

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		100	1	05/14/2025 17:06	WG2514876

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	ND	P1	250	1	05/15/2025 10:10	WG2514860

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND	P1	100	1	05/15/2025 12:16	WG2515562

Wet Chemistry by Method 5310 B-2014

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	2880		1000	1	05/14/2025 21:43	WG2514781

Wet Chemistry by Method 5540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
MBAS	ND		100	1	05/14/2025 17:31	WG2514880

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.500	1	05/15/2025 05:43	WG2514819

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	7.90	<u>T8</u>	1	05/14/2025 15:30	WG2515017

Sample Narrative:

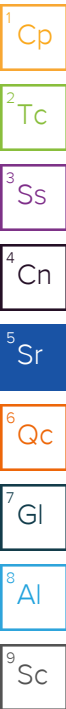
L1858461-21 WG2515017: 7.9 at 21.8C

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	05/14/2025 18:43	WG2514899

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Aluminum	385		100	1	05/14/2025 19:27	WG2514982
Aluminum,Dissolved	ND		100	1	05/14/2025 19:41	WG2514984
Antimony	ND		4.00	1	05/14/2025 19:27	WG2514982
Arsenic	ND		2.00	1	05/14/2025 19:27	WG2514982
Arsenic,Dissolved	ND		2.00	1	05/14/2025 19:41	WG2514984
Barium	39.8		2.00	1	05/14/2025 19:27	WG2514982
Beryllium	ND		2.00	1	05/14/2025 19:27	WG2514982
Boron	312		30.0	1	05/14/2025 19:27	WG2514982
Cadmium	ND		1.00	1	05/14/2025 19:27	WG2514982
Cadmium,Dissolved	ND		1.00	1	05/14/2025 19:41	WG2514984
Calcium	116000		1000	1	05/14/2025 19:27	WG2514982
Chromium	ND		2.00	1	05/14/2025 19:27	WG2514982
Chromium,Dissolved	ND		2.00	1	05/14/2025 19:41	WG2514984
Copper	ND		5.00	1	05/14/2025 19:27	WG2514982
Copper,Dissolved	ND		5.00	1	05/14/2025 19:41	WG2514984
Cobalt	ND		2.00	1	05/14/2025 19:27	WG2514982
Iron	294		100	1	05/14/2025 19:27	WG2514982
Lead	ND		2.00	1	05/14/2025 19:27	WG2514982
Lead,Dissolved	ND		2.00	1	05/14/2025 19:41	WG2514984
Magnesium	78000		1000	1	05/14/2025 19:27	WG2514982
Manganese	25.2		5.00	1	05/14/2025 19:27	WG2514982
Manganese,Dissolved	ND		5.00	1	05/14/2025 19:41	WG2514984
Nickel	ND		2.00	1	05/14/2025 19:27	WG2514982
Nickel,Dissolved	ND		2.00	1	05/14/2025 19:41	WG2514984
Potassium	2310		2000	1	05/14/2025 19:27	WG2514982
Selenium	5.64		2.00	1	05/14/2025 19:27	WG2514982



Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Selenium,Dissolved	5.69		2.00	1	05/14/2025 19:41	WG2514984
Silver	ND		2.00	1	05/14/2025 19:27	WG2514982
Silver,Dissolved	ND		2.00	1	05/14/2025 19:41	WG2514984
Sodium	90700		2000	1	05/14/2025 19:27	WG2514982
Thallium	ND		2.00	1	05/14/2025 19:27	WG2514982
Vanadium	ND		5.00	1	05/14/2025 19:27	WG2514982
Zinc	ND		25.0	1	05/14/2025 19:27	WG2514982
Zinc,Dissolved	ND		25.0	1	05/14/2025 19:41	WG2514984

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
TPH (GC/FID) Low Fraction	ND		100	1	05/14/2025 17:22	WG2515012
(S) a,a,a-Trifluorotoluene(FID)	102		78.0-120		05/14/2025 17:22	WG2515012

6 Qc

7 Gl

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		50.0	1	05/14/2025 20:07	WG2515025
Acrolein	ND	C3	50.0	1	05/14/2025 20:07	WG2515025
Acrylonitrile	ND		10.0	1	05/14/2025 20:07	WG2515025
Benzene	ND		1.00	1	05/14/2025 20:07	WG2515025
Bromobenzene	ND		1.00	1	05/14/2025 20:07	WG2515025
Bromodichloromethane	ND		1.00	1	05/14/2025 20:07	WG2515025
Bromoform	ND		1.00	1	05/14/2025 20:07	WG2515025
Bromomethane	ND		5.00	1	05/14/2025 20:07	WG2515025
n-Butylbenzene	ND	C3	1.00	1	05/14/2025 20:07	WG2515025
sec-Butylbenzene	ND		1.00	1	05/14/2025 20:07	WG2515025
tert-Butylbenzene	ND		1.00	1	05/14/2025 20:07	WG2515025
Carbon tetrachloride	ND		1.00	1	05/14/2025 20:07	WG2515025
Chlorobenzene	ND		1.00	1	05/14/2025 20:07	WG2515025
Chlorodibromomethane	ND		1.00	1	05/14/2025 20:07	WG2515025
Chloroethane	ND		5.00	1	05/14/2025 20:07	WG2515025
Chloroform	ND		5.00	1	05/14/2025 20:07	WG2515025
Chloromethane	ND		2.50	1	05/14/2025 20:07	WG2515025
2-Chlorotoluene	ND		1.00	1	05/14/2025 20:07	WG2515025
4-Chlorotoluene	ND		1.00	1	05/14/2025 20:07	WG2515025
1,2-Dibromo-3-Chloropropane	ND		5.00	1	05/14/2025 20:07	WG2515025
1,2-Dibromoethane	ND		1.00	1	05/14/2025 20:07	WG2515025
Dibromomethane	ND		1.00	1	05/14/2025 20:07	WG2515025
1,2-Dichlorobenzene	ND		1.00	1	05/14/2025 20:07	WG2515025
1,3-Dichlorobenzene	ND		1.00	1	05/14/2025 20:07	WG2515025
1,4-Dichlorobenzene	ND		1.00	1	05/14/2025 20:07	WG2515025
Dichlorodifluoromethane	ND	C3	5.00	1	05/14/2025 20:07	WG2515025
1,1-Dichloroethane	ND		1.00	1	05/14/2025 20:07	WG2515025
1,2-Dichloroethane	ND		1.00	1	05/14/2025 20:07	WG2515025
1,1-Dichloroethene	ND		1.00	1	05/14/2025 20:07	WG2515025
cis-1,2-Dichloroethene	ND		1.00	1	05/14/2025 20:07	WG2515025
trans-1,2-Dichloroethene	ND		1.00	1	05/14/2025 20:07	WG2515025
1,2-Dichloropropane	ND		1.00	1	05/14/2025 20:07	WG2515025
1,1-Dichloropropene	ND		1.00	1	05/14/2025 20:07	WG2515025
1,3-Dichloropropane	ND		1.00	1	05/14/2025 20:07	WG2515025
cis-1,3-Dichloropropene	ND		1.00	1	05/14/2025 20:07	WG2515025
trans-1,3-Dichloropropene	ND		1.00	1	05/14/2025 20:07	WG2515025
2,2-Dichloropropane	ND	C3	1.00	1	05/14/2025 20:07	WG2515025

8 Al

9 Sc

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Di-isopropyl ether	ND		1.00	1	05/14/2025 20:07	WG2515025
Ethylbenzene	ND		1.00	1	05/14/2025 20:07	WG2515025
Hexachloro-1,3-butadiene	ND		1.00	1	05/14/2025 20:07	WG2515025
Isopropylbenzene	ND		1.00	1	05/14/2025 20:07	WG2515025
p-Isopropyltoluene	ND	C3	1.00	1	05/14/2025 20:07	WG2515025
2-Butanone (MEK)	ND		10.0	1	05/14/2025 20:07	WG2515025
Methylene Chloride	ND		5.00	1	05/14/2025 20:07	WG2515025
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/14/2025 20:07	WG2515025
Methyl tert-butyl ether	ND		1.00	1	05/14/2025 20:07	WG2515025
Naphthalene	ND		5.00	1	05/14/2025 20:07	WG2515025
n-Propylbenzene	ND		1.00	1	05/14/2025 20:07	WG2515025
Styrene	ND		1.00	1	05/14/2025 20:07	WG2515025
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/14/2025 20:07	WG2515025
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/14/2025 20:07	WG2515025
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/14/2025 20:07	WG2515025
Tetrachloroethene	ND		1.00	1	05/14/2025 20:07	WG2515025
Toluene	ND		1.00	1	05/14/2025 20:07	WG2515025
1,2,3-Trichlorobenzene	ND		1.00	1	05/14/2025 20:07	WG2515025
1,2,4-Trichlorobenzene	ND		1.00	1	05/14/2025 20:07	WG2515025
1,1,1-Trichloroethane	ND		1.00	1	05/14/2025 20:07	WG2515025
1,1,2-Trichloroethane	ND		1.00	1	05/14/2025 20:07	WG2515025
Trichloroethene	ND		1.00	1	05/14/2025 20:07	WG2515025
Trichlorofluoromethane	ND		5.00	1	05/14/2025 20:07	WG2515025
1,2,3-Trichloropropane	ND		2.50	1	05/14/2025 20:07	WG2515025
1,2,4-Trimethylbenzene	ND		1.00	1	05/14/2025 20:07	WG2515025
1,2,3-Trimethylbenzene	ND		1.00	1	05/14/2025 20:07	WG2515025
1,3,5-Trimethylbenzene	ND		1.00	1	05/14/2025 20:07	WG2515025
Vinyl chloride	ND		1.00	1	05/14/2025 20:07	WG2515025
Xylenes, Total	ND		3.00	1	05/14/2025 20:07	WG2515025
(S) Toluene-d8	101		80.0-120		05/14/2025 20:07	WG2515025
(S) 4-Bromofluorobenzene	97.6		77.0-126		05/14/2025 20:07	WG2515025
(S) 1,2-Dichloroethane-d4	107		70.0-130		05/14/2025 20:07	WG2515025

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
C10-C28 Diesel Range	ND		100	1	05/14/2025 19:17	WG2514785
C28-C36 Motor Oil Range	ND		100	1	05/14/2025 19:17	WG2514785
(S) o-Terphenyl	121		52.0-156		05/14/2025 19:17	WG2514785

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acenaphthene	ND		1.00	1	05/14/2025 22:00	WG2514985
Acenaphthylene	ND		1.00	1	05/14/2025 22:00	WG2514985
Anthracene	ND		1.00	1	05/14/2025 22:00	WG2514985
Benzdine	ND	J4	10.0	1	05/14/2025 22:00	WG2514985
Benzo(a)anthracene	ND		1.00	1	05/14/2025 22:00	WG2514985
Benzo(b)fluoranthene	ND		1.00	1	05/14/2025 22:00	WG2514985
Benzo(k)fluoranthene	ND		1.00	1	05/14/2025 22:00	WG2514985
Benzo(g,h,i)perylene	ND		1.00	1	05/14/2025 22:00	WG2514985
Benzo(a)pyrene	ND		1.00	1	05/14/2025 22:00	WG2514985
Bis(2-chloroethoxy)methane	ND		10.0	1	05/14/2025 22:00	WG2514985
Bis(2-chloroethyl)ether	ND		10.0	1	05/14/2025 22:00	WG2514985
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	05/14/2025 22:00	WG2514985

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4-Bromophenyl-phenylether	ND		10.0	1	05/14/2025 22:00	WG2514985
2-Chloronaphthalene	ND		1.00	1	05/14/2025 22:00	WG2514985
4-Chlorophenyl-phenylether	ND		10.0	1	05/14/2025 22:00	WG2514985
Chrysene	ND		1.00	1	05/14/2025 22:00	WG2514985
Dibenz(a,h)anthracene	ND		1.00	1	05/14/2025 22:00	WG2514985
1,2-Dichlorobenzene	ND		10.0	1	05/14/2025 22:00	WG2514985
1,3-Dichlorobenzene	ND		10.0	1	05/14/2025 22:00	WG2514985
1,4-Dichlorobenzene	ND		10.0	1	05/14/2025 22:00	WG2514985
3,3-Dichlorobenzidine	ND		10.0	1	05/14/2025 22:00	WG2514985
2,4-Dinitrotoluene	ND		10.0	1	05/14/2025 22:00	WG2514985
2,6-Dinitrotoluene	ND		10.0	1	05/14/2025 22:00	WG2514985
Fluoranthene	ND		1.00	1	05/14/2025 22:00	WG2514985
Fluorene	ND		1.00	1	05/14/2025 22:00	WG2514985
Hexachlorobenzene	ND		1.00	1	05/14/2025 22:00	WG2514985
Hexachloro-1,3-butadiene	ND		10.0	1	05/14/2025 22:00	WG2514985
Hexachlorocyclopentadiene	ND		10.0	1	05/14/2025 22:00	WG2514985
Hexachloroethane	ND		10.0	1	05/14/2025 22:00	WG2514985
Indeno(1,2,3-cd)pyrene	ND		1.00	1	05/14/2025 22:00	WG2514985
Isophorone	ND		10.0	1	05/14/2025 22:00	WG2514985
1-Methylnaphthalene	ND		1.00	1	05/14/2025 22:00	WG2514985
2-Methylnaphthalene	ND		1.00	1	05/14/2025 22:00	WG2514985
Naphthalene	ND		1.00	1	05/14/2025 22:00	WG2514985
Nitrobenzene	ND		10.0	1	05/14/2025 22:00	WG2514985
n-Nitrosodimethylamine	ND		10.0	1	05/14/2025 22:00	WG2514985
n-Nitrosodiphenylamine	ND		10.0	1	05/14/2025 22:00	WG2514985
n-Nitrosodi-n-propylamine	ND		10.0	1	05/14/2025 22:00	WG2514985
Phenanthrene	ND		1.00	1	05/14/2025 22:00	WG2514985
Benzylbutyl phthalate	ND		3.00	1	05/14/2025 22:00	WG2514985
Bis(2-ethylhexyl)phthalate	ND		3.00	1	05/14/2025 22:00	WG2514985
Di-n-butyl phthalate	ND		3.00	1	05/14/2025 22:00	WG2514985
Diethyl phthalate	ND		3.00	1	05/14/2025 22:00	WG2514985
Dimethyl phthalate	ND		3.00	1	05/14/2025 22:00	WG2514985
Di-n-octyl phthalate	ND		3.00	1	05/14/2025 22:00	WG2514985
Pyrene	ND		1.00	1	05/14/2025 22:00	WG2514985
1,2,4-Trichlorobenzene	ND		10.0	1	05/14/2025 22:00	WG2514985
4-Chloro-3-methylphenol	ND		10.0	1	05/14/2025 22:00	WG2514985
2-Chlorophenol	ND		10.0	1	05/14/2025 22:00	WG2514985
2,4-Dichlorophenol	ND		10.0	1	05/14/2025 22:00	WG2514985
2,4-Dimethylphenol	ND		10.0	1	05/14/2025 22:00	WG2514985
4,6-Dinitro-2-methylphenol	ND		10.0	1	05/14/2025 22:00	WG2514985
2,4-Dinitrophenol	ND		10.0	1	05/14/2025 22:00	WG2514985
2-Nitrophenol	ND		10.0	1	05/14/2025 22:00	WG2514985
4-Nitrophenol	ND		10.0	1	05/14/2025 22:00	WG2514985
Pentachlorophenol	ND		10.0	1	05/14/2025 22:00	WG2514985
Phenol	ND		10.0	1	05/14/2025 22:00	WG2514985
2,4,6-Trichlorophenol	ND		10.0	1	05/14/2025 22:00	WG2514985
(S) 2-Fluorophenol	48.0		10.0-120		05/14/2025 22:00	WG2514985
(S) Phenol-d5	35.1		10.0-120		05/14/2025 22:00	WG2514985
(S) Nitrobenzene-d5	75.8		10.0-127		05/14/2025 22:00	WG2514985
(S) 2-Fluorobiphenyl	74.8		10.0-130		05/14/2025 22:00	WG2514985
(S) 2,4,6-Tribromophenol	60.5		10.0-155		05/14/2025 22:00	WG2514985
(S) p-Terphenyl-d14	71.2		10.0-128		05/14/2025 22:00	WG2514985

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	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		50.0	1	05/14/2025 18:26	WG2515025
Acrolein	ND	<u>C3</u>	50.0	1	05/14/2025 18:26	WG2515025
Acrylonitrile	ND		10.0	1	05/14/2025 18:26	WG2515025
Benzene	ND		1.00	1	05/14/2025 18:26	WG2515025
Bromobenzene	ND		1.00	1	05/14/2025 18:26	WG2515025
Bromodichloromethane	ND		1.00	1	05/14/2025 18:26	WG2515025
Bromoform	ND		1.00	1	05/14/2025 18:26	WG2515025
Bromomethane	ND		5.00	1	05/14/2025 18:26	WG2515025
n-Butylbenzene	ND	<u>C3</u>	1.00	1	05/14/2025 18:26	WG2515025
sec-Butylbenzene	ND		1.00	1	05/14/2025 18:26	WG2515025
tert-Butylbenzene	ND		1.00	1	05/14/2025 18:26	WG2515025
Carbon tetrachloride	ND		1.00	1	05/14/2025 18:26	WG2515025
Chlorobenzene	ND		1.00	1	05/14/2025 18:26	WG2515025
Chlorodibromomethane	ND		1.00	1	05/14/2025 18:26	WG2515025
Chloroethane	ND		5.00	1	05/14/2025 18:26	WG2515025
Chloroform	ND		5.00	1	05/14/2025 18:26	WG2515025
Chloromethane	ND		2.50	1	05/14/2025 18:26	WG2515025
2-Chlorotoluene	ND		1.00	1	05/14/2025 18:26	WG2515025
4-Chlorotoluene	ND		1.00	1	05/14/2025 18:26	WG2515025
1,2-Dibromo-3-Chloropropane	ND		5.00	1	05/14/2025 18:26	WG2515025
1,2-Dibromoethane	ND		1.00	1	05/14/2025 18:26	WG2515025
Dibromomethane	ND		1.00	1	05/14/2025 18:26	WG2515025
1,2-Dichlorobenzene	ND		1.00	1	05/14/2025 18:26	WG2515025
1,3-Dichlorobenzene	ND		1.00	1	05/14/2025 18:26	WG2515025
1,4-Dichlorobenzene	ND		1.00	1	05/14/2025 18:26	WG2515025
Dichlorodifluoromethane	ND	<u>C3</u>	5.00	1	05/14/2025 18:26	WG2515025
1,1-Dichloroethane	ND		1.00	1	05/14/2025 18:26	WG2515025
1,2-Dichloroethane	ND		1.00	1	05/14/2025 18:26	WG2515025
1,1-Dichloroethene	ND		1.00	1	05/14/2025 18:26	WG2515025
cis-1,2-Dichloroethene	ND		1.00	1	05/14/2025 18:26	WG2515025
trans-1,2-Dichloroethene	ND		1.00	1	05/14/2025 18:26	WG2515025
1,2-Dichloropropane	ND		1.00	1	05/14/2025 18:26	WG2515025
1,1-Dichloropropene	ND		1.00	1	05/14/2025 18:26	WG2515025
1,3-Dichloropropane	ND		1.00	1	05/14/2025 18:26	WG2515025
cis-1,3-Dichloropropene	ND		1.00	1	05/14/2025 18:26	WG2515025
trans-1,3-Dichloropropene	ND		1.00	1	05/14/2025 18:26	WG2515025
2,2-Dichloropropane	ND	<u>C3</u>	1.00	1	05/14/2025 18:26	WG2515025
Di-isopropyl ether	ND		1.00	1	05/14/2025 18:26	WG2515025
Ethylbenzene	ND		1.00	1	05/14/2025 18:26	WG2515025
Hexachloro-1,3-butadiene	ND		1.00	1	05/14/2025 18:26	WG2515025
Isopropylbenzene	ND		1.00	1	05/14/2025 18:26	WG2515025
p-Isopropyltoluene	ND	<u>C3</u>	1.00	1	05/14/2025 18:26	WG2515025
2-Butanone (MEK)	ND		10.0	1	05/14/2025 18:26	WG2515025
Methylene Chloride	ND		5.00	1	05/14/2025 18:26	WG2515025
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/14/2025 18:26	WG2515025
Methyl tert-butyl ether	ND		1.00	1	05/14/2025 18:26	WG2515025
Naphthalene	ND		5.00	1	05/14/2025 18:26	WG2515025
n-Propylbenzene	ND		1.00	1	05/14/2025 18:26	WG2515025
Styrene	ND		1.00	1	05/14/2025 18:26	WG2515025
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/14/2025 18:26	WG2515025
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/14/2025 18:26	WG2515025
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/14/2025 18:26	WG2515025
Tetrachloroethene	ND		1.00	1	05/14/2025 18:26	WG2515025
Toluene	ND		1.00	1	05/14/2025 18:26	WG2515025
1,2,3-Trichlorobenzene	ND		1.00	1	05/14/2025 18:26	WG2515025
1,2,4-Trichlorobenzene	ND		1.00	1	05/14/2025 18:26	WG2515025

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 ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		1.00	1	05/14/2025 18:26	WG2515025
1,1,2-Trichloroethane	ND		1.00	1	05/14/2025 18:26	WG2515025
Trichloroethene	ND		1.00	1	05/14/2025 18:26	WG2515025
Trichlorofluoromethane	ND		5.00	1	05/14/2025 18:26	WG2515025
1,2,3-Trichloropropane	ND		2.50	1	05/14/2025 18:26	WG2515025
1,2,4-Trimethylbenzene	ND		1.00	1	05/14/2025 18:26	WG2515025
1,2,3-Trimethylbenzene	ND		1.00	1	05/14/2025 18:26	WG2515025
1,3,5-Trimethylbenzene	ND		1.00	1	05/14/2025 18:26	WG2515025
Vinyl chloride	ND		1.00	1	05/14/2025 18:26	WG2515025
Xylenes, Total	ND		3.00	1	05/14/2025 18:26	WG2515025
(S) Toluene-d8	102		80.0-120		05/14/2025 18:26	WG2515025
(S) 4-Bromofluorobenzene	99.7		77.0-126		05/14/2025 18:26	WG2515025
(S) 1,2-Dichloroethane-d4	107		70.0-130		05/14/2025 18:26	WG2515025

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4215305-1 05/14/25 14:22

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Dissolved Solids	U		10000	10000

¹Cp

²Tc

³Ss

L1858415-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1858415-01 05/14/25 14:22 • (DUP) R4215305-3 05/14/25 14:22

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	2560000	2570000	1	0.390		10

⁴Cn

⁵Sr

L1858446-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1858446-02 05/14/25 14:22 • (DUP) R4215305-4 05/14/25 14:22

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	134000	133000	1	0.749		10

⁶Qc

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R4215305-2 05/14/25 14:22

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Dissolved Solids	8800000	8560000	97.3	90.0-110	

⁹Sc

Method Blank (MB)

(MB) R4215286-1 05/14/25 16:38

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Dissolved Solids	U	⬇	10000	10000

1 Cp

2 Tc

3 Ss

L1858447-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1858447-02 05/14/25 16:38 • (DUP) R4215286-3 05/14/25 16:38

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	10700000	10600000	1	0.282		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4215286-2 05/14/25 16:38

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Dissolved Solids	8800000	8740000	99.3	90.0-110	

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4215042-1 05/14/25 14:31

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Suspended Solids	U		283	2500

1 Cp

2 Tc

3 Ss

L1858425-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1858425-04 05/14/25 14:31 • (DUP) R4215042-3 05/14/25 14:31

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Suspended Solids	136000	132000	1	2.62		10

4 Cn

5 Sr

6 Qc

L1858456-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1858456-01 05/14/25 14:31 • (DUP) R4215042-4 05/14/25 14:31

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Suspended Solids	350000	383000	1	9.09		10

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4215042-2 05/14/25 14:31

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Suspended Solids	773000	794000	103	85.0-115	

Method Blank (MB)

(MB) R4215054-1 05/14/25 16:10

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Suspended Solids	U		283	2500

1 Cp

2 Tc

3 Ss

L1858446-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1858446-02 05/14/25 16:10 • (DUP) R4215054-3 05/14/25 16:10

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Suspended Solids	80000	74400	1	7.28		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4215054-2 05/14/25 16:10

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Suspended Solids	773000	816000	106	85.0-115	

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4214903-1 05/14/25 22:46

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hardness (colorimetric) as CaCO3	U		10600	30000

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4214903-2 05/14/25 22:49

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hardness (colorimetric) as CaCO3	200000	204000	102	85.0-115	

4 Cn

5 Sr

6 Qc

L1858303-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858303-02 05/14/25 22:53 • (MS) R4214903-3 05/14/25 22:54 • (MSD) R4214903-4 05/14/25 22:55

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hardness (colorimetric) as CaCO3	200000	87700	290000	283000	101	97.7	1	80.0-120			2.44	20

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4214693-2 05/14/25 14:14

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Alkalinity	U		4750	20000

Sample Narrative:

BLANK: Endpoint pH 4.5

L1858461-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1858461-01 05/14/25 14:31 • (DUP) R4214693-3 05/14/25 14:34

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Alkalinity	294000	298000	1	1.26		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1858461-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1858461-21 05/14/25 15:23 • (DUP) R4214693-4 05/14/25 15:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Alkalinity	391000	394000	1	0.829		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R4214693-1 05/14/25 14:09

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Alkalinity	100000	96200	96.2	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4214978-1 05/14/25 16:20

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Bromide	U		680	1000
Chloride	U		547	1000
Fluoride	U		76.1	150
Nitrate as (N)	U		88.4	100
Nitrite as (N)	U		79.4	100
Sulfate	U		637	5000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

L1858290-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1858290-01 05/14/25 16:53 • (DUP) R4214978-3 05/14/25 17:09

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Bromide	ND	ND	1	0.000		15
Chloride	5780	5650	1	2.32		15
Fluoride	634	620	1	2.22		15
Nitrate as (N)	ND	ND	1	0.000		15
Nitrite as (N)	ND	ND	1	0.000		15
Sulfate	8260	8240	1	0.274		15

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1858447-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1858447-02 05/14/25 19:36 • (DUP) R4214978-5 05/14/25 19:52

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Bromide	ND	ND	10	0.000		15
Chloride	69300	68700	10	0.962		15
Fluoride	ND	ND	10	0.000		15
Nitrate as (N)	1540	1500	10	2.51		15
Nitrite as (N)	ND	ND	10	0.000		15

Sample Narrative:

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

L1858447-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1858447-02 05/14/25 20:41 • (DUP) R4214978-8 05/14/25 20:57

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	5920000	5890000	100	0.440		15

Laboratory Control Sample (LCS)

(LCS) R4214978-2 05/14/25 16:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromide	40000	39500	98.7	90.0-110	
Chloride	40000	38800	97.0	90.0-110	
Fluoride	8000	7780	97.2	90.0-110	
Nitrate as (N)	8000	7830	97.9	90.0-110	
Nitrite as (N)	8000	7970	99.7	90.0-110	
Sulfate	40000	39900	99.8	90.0-110	

L1858290-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1858290-01 05/14/25 16:53 • (MS) R4214978-4 05/14/25 17:25

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Bromide	40000	ND	38400	95.9	1	90.0-110	
Chloride	40000	5780	42700	92.3	1	90.0-110	
Fluoride	8000	634	8090	93.2	1	90.0-110	
Nitrate as (N)	8000	ND	7700	96.2	1	90.0-110	
Nitrite as (N)	8000	ND	7750	96.8	1	90.0-110	
Sulfate	40000	8260	45400	92.9	1	90.0-110	

L1858447-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858447-02 05/14/25 19:36 • (MS) R4214978-6 05/14/25 20:08 • (MSD) R4214978-7 05/14/25 20:25

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Bromide	40000	ND	33000	32500	82.6	81.4	10	90.0-110	J6	J6	1.51	15
Chloride	40000	69300	91100	89900	54.4	51.5	10	90.0-110	J6	J6	1.29	15
Fluoride	8000	ND	7510	7530	93.9	94.1	10	90.0-110			0.238	15
Nitrate as (N)	8000	1540	8330	8190	85.0	83.2	10	90.0-110	J6	J6	1.72	15
Nitrite as (N)	8000	ND	7790	7680	97.4	96.0	10	90.0-110			1.39	15
Sulfate	40000	5810000	4570000	4470000	0.000	0.000	10	90.0-110	E V	E V	2.21	15

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1858447-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858447-02 05/14/25 19:36 • (MS) R4214978-6 05/14/25 20:08 • (MSD) R4214978-7 05/14/25 20:25

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
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Sample Narrative:

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4214834-1 05/14/25 13:34

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Bromide	U		680	1000
Chloride	U		547	1000
Fluoride	U		76.1	150
Nitrate as (N)	U		88.4	100
Nitrite as (N)	U		79.4	100
Sulfate	U		637	5000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1858461-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1858461-11 05/14/25 16:55 • (DUP) R4214834-3 05/14/25 17:08

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Bromide	ND	ND	1	0.000		15
Chloride	ND	ND	1	0.000		15
Fluoride	ND	ND	1	0.000		15
Nitrate as (N)	ND	ND	1	0.000		15
Nitrite as (N)	ND	ND	1	0.000		15
Sulfate	ND	ND	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R4214834-2 05/14/25 13:47

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Bromide	40000	40000	100	90.0-110	
Chloride	40000	39100	97.7	90.0-110	
Fluoride	8000	7910	98.9	90.0-110	
Nitrate as (N)	8000	7950	99.3	90.0-110	
Nitrite as (N)	8000	8350	104	90.0-110	
Sulfate	40000	39700	99.2	90.0-110	

L1858461-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858461-11 05/14/25 16:55 • (MS) R4214834-4 05/14/25 17:20 • (MSD) R4214834-5 05/14/25 17:49

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Bromide	40000	ND	39500	39400	98.7	98.5	1	90.0-110			0.273	15
Chloride	40000	ND	38400	38200	95.9	95.5	1	90.0-110			0.467	15

L1858461-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858461-11 05/14/25 16:55 • (MS) R4214834-4 05/14/25 17:20 • (MSD) R4214834-5 05/14/25 17:49

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Fluoride	8000	ND	7760	7740	96.9	96.7	1	90.0-110			0.235	15
Nitrate as (N)	8000	ND	7860	7820	98.2	97.8	1	90.0-110			0.453	15
Nitrite as (N)	8000	ND	8170	8180	102	102	1	90.0-110			0.0734	15
Sulfate	40000	ND	38900	38900	97.3	97.2	1	90.0-110			0.190	15

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4214780-1 05/14/25 16:33

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Ammonia Nitrogen	U		53.9	100

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1858447-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1858447-02 05/14/25 16:40 • (DUP) R4214780-4 05/14/25 16:42

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Ammonia Nitrogen	1920	1960	1	2.11		10

L1858447-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1858447-01 05/14/25 17:17 • (DUP) R4214780-7 05/14/25 17:18

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Ammonia Nitrogen	ND	ND	1	3.87		10

Laboratory Control Sample (LCS)

(LCS) R4214780-2 05/14/25 16:34

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Ammonia Nitrogen	7500	7560	101	90.0-110	

L1858447-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1858447-01 05/14/25 17:17 • (MS) R4214780-3 05/14/25 16:39

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Ammonia Nitrogen	5000	ND	5350	105	1	90.0-110	

L1858447-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858447-02 05/14/25 16:40 • (MS) R4214780-5 05/14/25 16:43 • (MSD) R4214780-6 05/14/25 16:45

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Ammonia Nitrogen	5000	1920	7260	7280	107	107	1	90.0-110			0.344	10

Method Blank (MB)

(MB) R4215093-1 05/15/25 09:41

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Kjeldahl Nitrogen, TKN	205	J	131	250

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1858461-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1858461-11 05/15/25 10:03 • (DUP) R4215093-7 05/15/25 10:04

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Kjeldahl Nitrogen, TKN	ND	ND	1	200	P1	20

L1858461-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1858461-21 05/15/25 10:10 • (DUP) R4215093-8 05/15/25 10:10

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Kjeldahl Nitrogen, TKN	ND	277	1	49.1	P1	20

Laboratory Control Sample (LCS)

(LCS) R4215093-2 05/15/25 09:42

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Kjeldahl Nitrogen, TKN	10800	11800	109	90.0-110	

L1854869-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1854869-01 05/15/25 09:43 • (MS) R4215093-3 05/15/25 09:45

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Kjeldahl Nitrogen, TKN	5000	685	6200	110	1	90.0-110	

L1858447-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858447-02 05/15/25 09:52 • (MS) R4215093-5 05/15/25 09:53 • (MSD) R4215093-6 05/15/25 09:54

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Kjeldahl Nitrogen, TKN	5000	4040	11200	11300	143	145	1	90.0-110	J5	J5	0.571	20

Method Blank (MB)

(MB) R4215205-1 05/15/25 11:52

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Phosphorus,Total	U		64.2	100

L1858461-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1858461-11 05/15/25 12:09 • (DUP) R4215205-5 05/15/25 12:10

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Phosphorus,Total	ND	ND	1	0.000		20

L1858461-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1858461-21 05/15/25 12:16 • (DUP) R4215205-6 05/15/25 12:17

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Phosphorus,Total	ND	ND	1	200	P1	20

Laboratory Control Sample (LCS)

(LCS) R4215205-2 05/15/25 11:53

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Phosphorus,Total	2070	2020	97.6	85.0-115	

L1858447-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858447-02 05/15/25 11:56 • (MS) R4215205-3 05/15/25 11:57 • (MSD) R4215205-4 05/15/25 11:58

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Phosphorus,Total	2500	118	2530	2460	96.5	93.7	1	90.0-110			2.81	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4214874-2 05/14/25 13:09

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC (Total Organic Carbon)	U		495	1000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1858454-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1858454-02 05/14/25 14:46 • (DUP) R4214874-5 05/14/25 15:07

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	6990	6890	1	1.38		20

L1858133-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1858133-01 05/14/25 19:02 • (DUP) R4214874-6 05/14/25 19:22

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	9130	9150	1	0.241		20

Laboratory Control Sample (LCS)

(LCS) R4214874-1 05/14/25 12:49

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC (Total Organic Carbon)	25000	24700	98.8	80.0-120	

L1858454-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858454-01 05/14/25 13:36 • (MS) R4214874-3 05/14/25 13:59 • (MSD) R4214874-4 05/14/25 14:23

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	25000	7220	33500	33200	105	104	1	75.0-125			0.900	20

L1858447-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858447-02 05/14/25 19:46 • (MS) R4214874-7 05/14/25 20:10 • (MSD) R4214874-8 05/14/25 20:35

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	25000	25500	50400	47900	100	89.9	1	75.0-125	E		5.10	20

Method Blank (MB)

(MB) R4214782-1 05/14/25 17:21

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
MBAS	U		19.0	100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1858461-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1858461-01 05/14/25 17:25 • (DUP) R4214782-5 05/14/25 17:25

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
MBAS	110	111	1	0.905		20

L1858461-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1858461-21 05/14/25 17:31 • (DUP) R4214782-6 05/14/25 17:31

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
MBAS	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4214782-2 05/14/25 17:22

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
MBAS	1000	997	99.7	85.0-115	

L1858447-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858447-02 05/14/25 17:24 • (MS) R4214782-3 05/14/25 17:24 • (MSD) R4214782-4 05/14/25 17:24

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
MBAS	1000	218	1160	1200	93.9	98.1	1	85.0-115			3.57	20

Method Blank (MB)

(MB) R4214990-1 05/14/25 17:17

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Hexavalent Chromium	U		0.100	0.500

L1858461-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1858461-11 05/15/25 04:26 • (DUP) R4214990-7 05/15/25 04:39

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

L1858461-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1858461-21 05/15/25 05:43 • (DUP) R4214990-8 05/15/25 06:22

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4214990-2 05/14/25 17:30

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	2.00	2.19	109	90.0-110	

L1858447-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858447-01 05/15/25 01:11 • (MS) R4214990-3 05/15/25 01:24 • (MSD) R4214990-4 05/15/25 01:37

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Hexavalent Chromium	50.0	5.76	55.9	55.8	100	100	1	90.0-110			0.199	20

L1858447-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858447-02 05/15/25 01:50 • (MS) R4214990-5 05/15/25 02:03 • (MSD) R4214990-6 05/15/25 02:16

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Hexavalent Chromium	50.0	5.52	55.9	55.6	101	100	1	90.0-110			0.383	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1858461-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1858461-01 05/14/25 15:30 • (DUP) R4214673-2 05/14/25 15:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.12	8.14	1	0.246		1

Sample Narrative:

OS: 8.12 at 21.7C
 DUP: 8.14 at 22.1C

L1858461-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1858461-21 05/14/25 15:30 • (DUP) R4214673-3 05/14/25 15:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.90	7.92	1	0.253		1

Sample Narrative:

OS: 7.9 at 21.8C
 DUP: 7.92 at 22.3C

Laboratory Control Sample (LCS)

(LCS) R4214673-1 05/14/25 15:30

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	9.98	99.8	99.0-101	

Sample Narrative:

LCS: 9.98 at 21.6C

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4214811-1 05/14/25 17:35

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Mercury	U		0.0700	0.200

Laboratory Control Sample (LCS)

(LCS) R4214811-2 05/14/25 17:38

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	3.00	2.52	84.0	80.0-120	

L1858461-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858461-03 05/14/25 17:40 • (MS) R4214811-4 05/14/25 17:45 • (MSD) R4214811-5 05/14/25 17:48

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	3.00	ND	3.02	2.99	101	99.5	1	75.0-125			1.11	20

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

Method Blank (MB)

(MB) R4214815-1 05/14/25 18:09

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Mercury	U		0.0700	0.200

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4214815-2 05/14/25 18:12

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	3.00	2.45	81.6	80.0-120	

4 Cn

5 Sr

L1858461-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858461-13 05/14/25 18:20 • (MS) R4214815-4 05/14/25 18:25 • (MSD) R4214815-5 05/14/25 18:33

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	3.00	ND	2.88	2.88	96.0	95.9	1	75.0-125			0.0883	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4214772-1 05/14/25 16:22

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Aluminum,Dissolved	U		16.0	100
Arsenic,Dissolved	U		0.120	2.00
Cadmium,Dissolved	U		0.120	1.00
Chromium,Dissolved	U		0.900	2.00
Copper,Dissolved	U		0.700	5.00
Lead,Dissolved	U		0.500	2.00
Manganese,Dissolved	U		0.700	5.00
Nickel,Dissolved	U		0.500	2.00
Selenium,Dissolved	U		0.250	2.00
Silver,Dissolved	U		0.110	2.00
Zinc,Dissolved	U		4.00	25.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4214772-2 05/14/25 16:26

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Aluminum,Dissolved	1000	1000	100	80.0-120	
Arsenic,Dissolved	50.0	50.5	101	80.0-120	
Cadmium,Dissolved	50.0	52.4	105	80.0-120	
Chromium,Dissolved	50.0	50.4	101	80.0-120	
Copper,Dissolved	50.0	50.3	101	80.0-120	
Lead,Dissolved	50.0	49.6	99.2	80.0-120	
Manganese,Dissolved	50.0	50.4	101	80.0-120	
Nickel,Dissolved	50.0	52.0	104	80.0-120	
Selenium,Dissolved	50.0	49.8	99.6	80.0-120	
Silver,Dissolved	50.0	51.7	103	80.0-120	
Zinc,Dissolved	50.0	62.7	125	80.0-120	<u>J4</u>

L1858461-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858461-11 05/14/25 16:29 • (MS) R4214772-4 05/14/25 16:35 • (MSD) R4214772-5 05/14/25 16:39

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Aluminum,Dissolved	1000	ND	1020	1040	102	104	1	75.0-125			1.28	20
Arsenic,Dissolved	50.0	ND	52.8	51.7	106	103	1	75.0-125			2.05	20
Cadmium,Dissolved	50.0	ND	52.9	52.4	106	105	1	75.0-125			0.966	20
Chromium,Dissolved	50.0	ND	52.7	52.2	105	104	1	75.0-125			0.992	20
Copper,Dissolved	50.0	ND	52.3	50.9	105	102	1	75.0-125			2.72	20

L1858461-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858461-11 05/14/25 16:29 • (MS) R4214772-4 05/14/25 16:35 • (MSD) R4214772-5 05/14/25 16:39

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead,Dissolved	50.0	ND	51.2	49.8	102	99.5	1	75.0-125			2.95	20
Manganese,Dissolved	50.0	ND	52.1	51.9	104	104	1	75.0-125			0.451	20
Nickel,Dissolved	50.0	ND	53.5	52.0	107	104	1	75.0-125			2.83	20
Selenium,Dissolved	50.0	ND	50.4	50.1	101	100	1	75.0-125			0.660	20
Silver,Dissolved	50.0	ND	53.5	52.0	107	104	1	75.0-125			2.70	20
Zinc,Dissolved	50.0	ND	53.2	52.4	106	105	1	75.0-125			1.44	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4214717-1 05/14/25 15:01

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Aluminum	U		16.0	100
Antimony	U		0.310	4.00
Arsenic	U		0.120	2.00
Barium	U		0.500	2.00
Beryllium	U		0.200	2.00
Boron	U		9.03	30.0
Cadmium	U		0.120	1.00
Calcium	U		92.5	1000
Chromium	U		0.900	2.00
Copper	U		0.700	5.00
Cobalt	U		0.100	2.00
Iron	U		22.6	100
Lead	U		0.500	2.00
Magnesium	U		82.7	1000
Manganese	U		0.700	5.00
Nickel	U		0.500	2.00
Potassium	U		96.5	2000
Selenium	U		0.250	2.00
Silver	U		0.110	2.00
Sodium	U		142	2000
Thallium	U		0.130	2.00
Vanadium	U		0.520	5.00
Zinc	U		4.00	25.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4214717-2 05/14/25 15:04

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1000	986	98.6	80.0-120	
Antimony	50.0	51.3	103	80.0-120	
Arsenic	50.0	50.4	101	80.0-120	
Barium	50.0	48.3	96.5	80.0-120	
Beryllium	50.0	47.0	94.1	80.0-120	
Boron	50.0	48.4	96.7	80.0-120	
Cadmium	50.0	52.7	105	80.0-120	
Calcium	5000	4920	98.3	80.0-120	
Chromium	50.0	50.4	101	80.0-120	
Copper	50.0	50.7	101	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4214717-2 05/14/25 15:04

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Cobalt	50.0	51.2	102	80.0-120	
Iron	1000	996	99.6	80.0-120	
Lead	50.0	49.2	98.4	80.0-120	
Magnesium	5000	4880	97.6	80.0-120	
Manganese	50.0	50.2	100	80.0-120	
Nickel	50.0	51.1	102	80.0-120	
Potassium	5000	4940	98.7	80.0-120	
Selenium	50.0	49.4	98.8	80.0-120	
Silver	50.0	51.3	103	80.0-120	
Sodium	5000	5050	101	80.0-120	
Thallium	50.0	50.2	100	80.0-120	
Vanadium	50.0	49.9	99.8	80.0-120	
Zinc	50.0	50.7	101	80.0-120	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L1858461-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858461-11 05/14/25 15:07 • (MS) R4214717-4 05/14/25 15:14 • (MSD) R4214717-5 05/14/25 15:17

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Aluminum	1000	ND	1000	982	100	98.2	1	75.0-125			1.92	20
Antimony	50.0	ND	50.5	49.7	101	99.4	1	75.0-125			1.69	20
Arsenic	50.0	ND	49.8	49.5	99.6	99.1	1	75.0-125			0.561	20
Barium	50.0	ND	48.0	47.2	96.0	94.4	1	75.0-125			1.65	20
Beryllium	50.0	ND	46.6	46.0	93.1	92.0	1	75.0-125			1.24	20
Boron	50.0	ND	47.5	47.8	95.0	95.5	1	75.0-125			0.524	20
Cadmium	50.0	ND	53.1	52.3	106	105	1	75.0-125			1.61	20
Calcium	5000	ND	4950	5000	99.0	100	1	75.0-125			1.06	20
Chromium	50.0	ND	50.7	50.6	101	101	1	75.0-125			0.145	20
Copper	50.0	ND	50.9	49.4	102	98.7	1	75.0-125			2.97	20
Cobalt	50.0	ND	51.6	51.3	103	103	1	75.0-125			0.573	20
Iron	1000	ND	1000	986	100	98.6	1	75.0-125			1.50	20
Lead	50.0	ND	48.8	48.8	97.7	97.6	1	75.0-125			0.0391	20
Magnesium	5000	ND	4890	4790	97.8	95.8	1	75.0-125			2.03	20
Manganese	50.0	ND	49.6	49.1	99.3	98.2	1	75.0-125			1.08	20
Nickel	50.0	ND	52.6	51.3	105	103	1	75.0-125			2.49	20
Potassium	5000	ND	5000	4890	100	97.9	1	75.0-125			2.24	20
Selenium	50.0	ND	48.8	49.6	97.5	99.3	1	75.0-125			1.75	20
Silver	50.0	ND	51.5	50.5	103	101	1	75.0-125			2.11	20
Sodium	5000	ND	5060	5020	101	100	1	75.0-125			0.699	20

L1858461-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858461-11 05/14/25 15:07 • (MS) R4214717-4 05/14/25 15:14 • (MSD) R4214717-5 05/14/25 15:17

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Thallium	50.0	ND	50.4	49.7	101	99.4	1	75.0-125			1.28	20
Vanadium	50.0	ND	50.1	49.3	100	98.5	1	75.0-125			1.68	20
Zinc	50.0	ND	50.5	52.3	101	105	1	75.0-125			3.48	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4214841-1 05/14/25 17:59

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Aluminum	U		16.0	100
Antimony	0.395	U	0.310	4.00
Arsenic	U		0.120	2.00
Barium	U		0.500	2.00
Beryllium	U		0.200	2.00
Boron	U		9.03	30.0
Cadmium	U		0.120	1.00
Calcium	U		92.5	1000
Chromium	U		0.900	2.00
Copper	U		0.700	5.00
Cobalt	U		0.100	2.00
Iron	U		22.6	100
Lead	U		0.500	2.00
Magnesium	U		82.7	1000
Manganese	U		0.700	5.00
Nickel	U		0.500	2.00
Potassium	U		96.5	2000
Selenium	U		0.250	2.00
Silver	U		0.110	2.00
Sodium	U		142	2000
Thallium	U		0.130	2.00
Vanadium	U		0.520	5.00
Zinc	U		4.00	25.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4214841-2 05/14/25 18:02

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1000	952	95.2	80.0-120	
Antimony	50.0	49.1	98.2	80.0-120	
Arsenic	50.0	48.5	97.0	80.0-120	
Barium	50.0	46.6	93.1	80.0-120	
Beryllium	50.0	42.2	84.4	80.0-120	
Boron	50.0	42.2	84.3	80.0-120	
Cadmium	50.0	48.8	97.5	80.0-120	
Calcium	5000	4950	99.0	80.0-120	
Chromium	50.0	49.4	98.7	80.0-120	
Copper	50.0	47.7	95.5	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4214841-2 05/14/25 18:02

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Cobalt	50.0	49.9	99.8	80.0-120	
Iron	1000	965	96.5	80.0-120	
Lead	50.0	47.2	94.4	80.0-120	
Magnesium	5000	4640	92.8	80.0-120	
Manganese	50.0	48.8	97.6	80.0-120	
Nickel	50.0	48.8	97.7	80.0-120	
Potassium	5000	4920	98.3	80.0-120	
Selenium	50.0	48.4	96.8	80.0-120	
Silver	50.0	48.6	97.3	80.0-120	
Sodium	5000	4900	98.0	80.0-120	
Thallium	50.0	44.2	88.4	80.0-120	
Vanadium	50.0	48.7	97.3	80.0-120	
Zinc	50.0	48.7	97.4	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1858461-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858461-19 05/14/25 18:05 • (MS) R4214841-4 05/14/25 18:12 • (MSD) R4214841-5 05/14/25 18:15

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Boron	50.0	451	502	525	101	147	5	75.0-125		√	4.51	20

L1858461-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858461-19 05/14/25 19:51 • (MS) R4214841-7 05/14/25 19:57 • (MSD) R4214841-8 05/14/25 20:00

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Aluminum	1000	210	1170	1150	95.8	94.1	1	75.0-125			1.47	20
Antimony	50.0	ND	52.0	52.0	101	101	1	75.0-125			0.0482	20
Arsenic	50.0	ND	52.6	52.7	101	102	1	75.0-125			0.254	20
Barium	50.0	56.8	104	105	93.6	95.9	1	75.0-125			1.11	20
Beryllium	50.0	ND	43.0	43.8	85.9	87.6	1	75.0-125			1.97	20
Cadmium	50.0	ND	46.5	46.3	92.9	92.6	1	75.0-125			0.359	20
Calcium	5000	282000	283000	284000	35.7	50.1	1	75.0-125	√	√	0.253	20
Chromium	50.0	ND	48.1	48.0	96.1	95.9	1	75.0-125			0.207	20
Copper	50.0	5.36	50.8	50.4	90.8	90.1	1	75.0-125			0.675	20
Cobalt	50.0	2.06	49.6	49.3	95.0	94.5	1	75.0-125			0.495	20
Iron	1000	709	1650	1660	94.6	95.0	1	75.0-125			0.232	20
Lead	50.0	ND	47.2	47.7	94.4	95.3	1	75.0-125			0.975	20
Magnesium	5000	162000	165000	166000	59.5	81.5	1	75.0-125	√		0.665	20

L1858461-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858461-19 05/14/25 19:51 • (MS) R4214841-7 05/14/25 19:57 • (MSD) R4214841-8 05/14/25 20:00

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Manganese	50.0	1290	1320	1320	64.4	62.4	1	75.0-125	√	√	0.0756	20
Nickel	50.0	6.13	52.8	53.6	93.4	94.9	1	75.0-125			1.46	20
Potassium	5000	13800	18400	18400	92.5	92.1	1	75.0-125			0.126	20
Selenium	50.0	3.19	54.2	54.0	102	102	1	75.0-125			0.463	20
Silver	50.0	ND	48.3	49.0	96.6	97.9	1	75.0-125			1.39	20
Sodium	5000	275000	275000	279000	0.000	75.5	1	75.0-125	√		1.41	20
Thallium	50.0	ND	45.0	44.4	90.0	88.8	1	75.0-125			1.34	20
Vanadium	50.0	ND	50.8	50.6	97.1	96.6	1	75.0-125			0.518	20
Zinc	50.0	ND	50.1	52.3	88.3	92.7	1	75.0-125			4.38	20

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

Method Blank (MB)

(MB) R4214838-1 05/14/25 19:14

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Aluminum,Dissolved	U		16.0	100
Arsenic,Dissolved	U		0.120	2.00
Cadmium,Dissolved	U		0.120	1.00
Chromium,Dissolved	U		0.900	2.00
Copper,Dissolved	U		0.700	5.00
Lead,Dissolved	U		0.500	2.00
Manganese,Dissolved	U		0.700	5.00
Nickel,Dissolved	U		0.500	2.00
Selenium,Dissolved	U		0.250	2.00
Silver,Dissolved	U		0.110	2.00
Zinc,Dissolved	U		4.00	25.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4214838-2 05/14/25 19:17

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Aluminum,Dissolved	1000	999	99.9	80.0-120	
Arsenic,Dissolved	50.0	49.8	99.7	80.0-120	
Cadmium,Dissolved	50.0	54.2	108	80.0-120	
Chromium,Dissolved	50.0	52.0	104	80.0-120	
Copper,Dissolved	50.0	50.6	101	80.0-120	
Lead,Dissolved	50.0	50.0	99.9	80.0-120	
Manganese,Dissolved	50.0	50.7	101	80.0-120	
Nickel,Dissolved	50.0	53.0	106	80.0-120	
Selenium,Dissolved	50.0	50.5	101	80.0-120	
Silver,Dissolved	50.0	52.9	106	80.0-120	
Zinc,Dissolved	50.0	50.6	101	80.0-120	

L1858461-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858461-15 05/14/25 19:20 • (MS) R4214838-4 05/14/25 19:26 • (MSD) R4214838-5 05/14/25 19:29

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Aluminum,Dissolved	1000	ND	981	970	98.1	97.0	1	75.0-125			1.09	20
Arsenic,Dissolved	50.0	3.84	53.1	53.1	98.6	98.4	1	75.0-125			0.153	20
Cadmium,Dissolved	50.0	ND	52.1	53.2	104	106	1	75.0-125			2.10	20
Chromium,Dissolved	50.0	ND	50.4	51.7	101	103	1	75.0-125			2.55	20
Copper,Dissolved	50.0	ND	51.8	52.6	99.6	101	1	75.0-125			1.53	20

L1858461-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858461-15 05/14/25 19:20 • (MS) R4214838-4 05/14/25 19:26 • (MSD) R4214838-5 05/14/25 19:29

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead,Dissolved	50.0	ND	48.5	49.8	97.1	99.6	1	75.0-125			2.63	20
Manganese,Dissolved	50.0	1200	1230	1260	63.9	114	1	75.0-125	V		2.02	20
Nickel,Dissolved	50.0	3.66	53.1	53.9	99.0	101	1	75.0-125			1.49	20
Selenium,Dissolved	50.0	12.4	66.6	65.8	108	107	1	75.0-125			1.19	20
Silver,Dissolved	50.0	ND	50.4	51.1	101	102	1	75.0-125			1.38	20
Zinc,Dissolved	50.0	ND	49.2	49.9	98.4	99.8	1	75.0-125			1.35	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4214677-2 05/14/25 09:45

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TPH (GC/FID) Low Fraction	U		31.4	100
(S) a,a,a-Trifluorotoluene(FID)	102			78.0-120

Laboratory Control Sample (LCS)

(LCS) R4214677-1 05/14/25 09:05

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TPH (GC/FID) Low Fraction	5000	4770	95.4	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			106	78.0-120	

L1858447-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858447-02 05/14/25 16:25 • (MS) R4214677-3 05/14/25 17:05 • (MSD) R4214677-4 05/14/25 17:26

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TPH (GC/FID) Low Fraction	5000	ND	6310	6690	126	134	1	10.0-160			5.85	22
(S) a,a,a-Trifluorotoluene(FID)					101	103		78.0-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4214760-3 05/14/25 14:00

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TPH (GC/FID) Low Fraction	41.4	↓	31.4	100
^(S) a,a,a-Trifluorotoluene(FID)	101			78.0-120

1 Cp

2 Tc

3 Ss

4 Cn

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

(LCS) R4214760-1 05/14/25 12:53 • (LCSD) R4214760-2 05/14/25 13:15

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
TPH (GC/FID) Low Fraction	5000	4840	4810	96.8	96.2	72.0-127			0.622	20
^(S) a,a,a-Trifluorotoluene(FID)				111	110	78.0-120				

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4214853-2 05/14/25 10:42

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4214853-2 05/14/25 10:42

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	105			80.0-120
(S) 4-Bromofluorobenzene	97.7			77.0-126
(S) 1,2-Dichloroethane-d4	104			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4214853-1 05/14/25 10:00

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	17.6	70.4	19.0-160	
Acrolein	25.0	21.5	86.0	10.0-160	
Acrylonitrile	25.0	26.4	106	55.0-149	
Benzene	5.00	4.55	91.0	70.0-123	

Laboratory Control Sample (LCS)

(LCS) R4214853-1 05/14/25 10:00

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Bromobenzene	5.00	4.16	83.2	73.0-121	
Bromodichloromethane	5.00	4.80	96.0	75.0-120	
Bromoform	5.00	3.97	79.4	68.0-132	
Bromomethane	5.00	2.55	51.0	10.0-160	
n-Butylbenzene	5.00	4.03	80.6	73.0-125	
sec-Butylbenzene	5.00	4.19	83.8	75.0-125	
tert-Butylbenzene	5.00	4.21	84.2	76.0-124	
Carbon tetrachloride	5.00	4.63	92.6	68.0-126	
Chlorobenzene	5.00	4.24	84.8	80.0-121	
Chlorodibromomethane	5.00	4.59	91.8	77.0-125	
Chloroethane	5.00	5.90	118	47.0-150	
Chloroform	5.00	4.48	89.6	73.0-120	
Chloromethane	5.00	5.23	105	41.0-142	
2-Chlorotoluene	5.00	4.08	81.6	76.0-123	
4-Chlorotoluene	5.00	4.11	82.2	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	3.63	72.6	58.0-134	
1,2-Dibromoethane	5.00	4.31	86.2	80.0-122	
Dibromomethane	5.00	4.73	94.6	80.0-120	
1,2-Dichlorobenzene	5.00	4.26	85.2	79.0-121	
1,3-Dichlorobenzene	5.00	4.37	87.4	79.0-120	
1,4-Dichlorobenzene	5.00	4.34	86.8	79.0-120	
Dichlorodifluoromethane	5.00	4.24	84.8	51.0-149	
1,1-Dichloroethane	5.00	5.10	102	70.0-126	
1,2-Dichloroethane	5.00	4.92	98.4	70.0-128	
1,1-Dichloroethene	5.00	4.29	85.8	71.0-124	
cis-1,2-Dichloroethene	5.00	4.56	91.2	73.0-120	
trans-1,2-Dichloroethene	5.00	4.62	92.4	73.0-120	
1,2-Dichloropropane	5.00	5.01	100	77.0-125	
1,1-Dichloropropene	5.00	4.29	85.8	74.0-126	
1,3-Dichloropropane	5.00	4.55	91.0	80.0-120	
cis-1,3-Dichloropropene	5.00	4.59	91.8	80.0-123	
trans-1,3-Dichloropropene	5.00	4.48	89.6	78.0-124	
2,2-Dichloropropane	5.00	5.15	103	58.0-130	
Di-isopropyl ether	5.00	5.92	118	58.0-138	
Ethylbenzene	5.00	4.16	83.2	79.0-123	
Hexachloro-1,3-butadiene	5.00	4.28	85.6	54.0-138	
Isopropylbenzene	5.00	4.01	80.2	76.0-127	
p-Isopropyltoluene	5.00	4.22	84.4	76.0-125	
2-Butanone (MEK)	25.0	20.4	81.6	44.0-160	
Methylene Chloride	5.00	4.38	87.6	67.0-120	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4214853-1 05/14/25 10:00

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
4-Methyl-2-pentanone (MIBK)	25.0	26.4	106	68.0-142	
Methyl tert-butyl ether	5.00	4.61	92.2	68.0-125	
Naphthalene	5.00	3.54	70.8	54.0-135	
n-Propylbenzene	5.00	4.07	81.4	77.0-124	
Styrene	5.00	4.06	81.2	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	4.27	85.4	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	4.30	86.0	65.0-130	
1,1,2-Trichlorotrifluoroethane	5.00	4.27	85.4	69.0-132	
Tetrachloroethene	5.00	4.34	86.8	72.0-132	
Toluene	5.00	3.99	79.8	79.0-120	
1,2,3-Trichlorobenzene	5.00	3.94	78.8	50.0-138	
1,2,4-Trichlorobenzene	5.00	3.97	79.4	57.0-137	
1,1,1-Trichloroethane	5.00	4.82	96.4	73.0-124	
1,1,2-Trichloroethane	5.00	4.46	89.2	80.0-120	
Trichloroethene	5.00	4.54	90.8	78.0-124	
Trichlorofluoromethane	5.00	4.76	95.2	59.0-147	
1,2,3-Trichloropropane	5.00	4.51	90.2	73.0-130	
1,2,4-Trimethylbenzene	5.00	4.17	83.4	76.0-121	
1,2,3-Trimethylbenzene	5.00	3.98	79.6	77.0-120	
1,3,5-Trimethylbenzene	5.00	4.10	82.0	76.0-122	
Vinyl chloride	5.00	4.94	98.8	67.0-131	
Xylenes, Total	15.0	12.5	83.3	79.0-123	
<i>(S) Toluene-d8</i>			101	80.0-120	
<i>(S) 4-Bromofluorobenzene</i>			97.1	77.0-126	
<i>(S) 1,2-Dichloroethane-d4</i>			111	70.0-130	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4214876-3 05/14/25 15:09

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4214876-3 05/14/25 15:09

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	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	101			80.0-120
(S) 4-Bromofluorobenzene	97.9			77.0-126
(S) 1,2-Dichloroethane-d4	107			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R4214876-1 05/14/25 14:09 • (LCSD) R4214876-2 05/14/25 14:29

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Acetone	25.0	23.2	23.4	92.8	93.6	19.0-160			0.858	27
Acrolein	25.0	12.1	11.6	48.4	46.4	10.0-160			4.22	26
Acrylonitrile	25.0	29.0	29.1	116	116	55.0-149			0.344	20
Benzene	5.00	4.62	4.53	92.4	90.6	70.0-123			1.97	20

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

(LCS) R4214876-1 05/14/25 14:09 • (LCSD) R4214876-2 05/14/25 14:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromobenzene	5.00	4.49	4.43	89.8	88.6	73.0-121			1.35	20
Bromodichloromethane	5.00	4.71	4.64	94.2	92.8	75.0-120			1.50	20
Bromoform	5.00	4.56	4.61	91.2	92.2	68.0-132			1.09	20
Bromomethane	5.00	4.56	4.17	91.2	83.4	10.0-160			8.93	25
n-Butylbenzene	5.00	3.97	4.04	79.4	80.8	73.0-125			1.75	20
sec-Butylbenzene	5.00	4.26	4.19	85.2	83.8	75.0-125			1.66	20
tert-Butylbenzene	5.00	4.26	4.20	85.2	84.0	76.0-124			1.42	20
Carbon tetrachloride	5.00	4.46	4.33	89.2	86.6	68.0-126			2.96	20
Chlorobenzene	5.00	4.39	4.47	87.8	89.4	80.0-121			1.81	20
Chlorodibromomethane	5.00	4.70	4.61	94.0	92.2	77.0-125			1.93	20
Chloroethane	5.00	4.36	4.24	87.2	84.8	47.0-150			2.79	20
Chloroform	5.00	4.56	4.65	91.2	93.0	73.0-120			1.95	20
Chloromethane	5.00	4.73	4.56	94.6	91.2	41.0-142			3.66	20
2-Chlorotoluene	5.00	4.27	4.25	85.4	85.0	76.0-123			0.469	20
4-Chlorotoluene	5.00	4.29	4.29	85.8	85.8	75.0-122			0.000	20
1,2-Dibromo-3-Chloropropane	5.00	5.35	4.91	107	98.2	58.0-134			8.58	20
1,2-Dibromoethane	5.00	4.73	4.70	94.6	94.0	80.0-122			0.636	20
Dibromomethane	5.00	4.84	4.61	96.8	92.2	80.0-120			4.87	20
1,2-Dichlorobenzene	5.00	4.51	4.53	90.2	90.6	79.0-121			0.442	20
1,3-Dichlorobenzene	5.00	4.46	4.41	89.2	88.2	79.0-120			1.13	20
1,4-Dichlorobenzene	5.00	4.33	4.36	86.6	87.2	79.0-120			0.690	20
Dichlorodifluoromethane	5.00	3.96	3.92	79.2	78.4	51.0-149			1.02	20
1,1-Dichloroethane	5.00	4.69	4.64	93.8	92.8	70.0-126			1.07	20
1,2-Dichloroethane	5.00	4.69	4.66	93.8	93.2	70.0-128			0.642	20
1,1-Dichloroethene	5.00	4.30	4.16	86.0	83.2	71.0-124			3.31	20
cis-1,2-Dichloroethene	5.00	4.49	4.28	89.8	85.6	73.0-120			4.79	20
trans-1,2-Dichloroethene	5.00	4.41	4.25	88.2	85.0	73.0-120			3.70	20
1,2-Dichloropropane	5.00	5.05	4.76	101	95.2	77.0-125			5.91	20
1,1-Dichloropropene	5.00	4.40	4.44	88.0	88.8	74.0-126			0.905	20
1,3-Dichloropropane	5.00	4.87	4.75	97.4	95.0	80.0-120			2.49	20
cis-1,3-Dichloropropene	5.00	4.46	4.29	89.2	85.8	80.0-123			3.89	20
trans-1,3-Dichloropropene	5.00	4.48	4.49	89.6	89.8	78.0-124			0.223	20
2,2-Dichloropropane	5.00	3.63	3.61	72.6	72.2	58.0-130			0.552	20
Di-isopropyl ether	5.00	4.77	4.79	95.4	95.8	58.0-138			0.418	20
Ethylbenzene	5.00	4.23	4.15	84.6	83.0	79.0-123			1.91	20
Hexachloro-1,3-butadiene	5.00	4.08	4.28	81.6	85.6	54.0-138			4.78	20
Isopropylbenzene	5.00	4.05	4.02	81.0	80.4	76.0-127			0.744	20
p-Isopropyltoluene	5.00	3.98	3.93	79.6	78.6	76.0-125			1.26	20
2-Butanone (MEK)	25.0	29.3	30.0	117	120	44.0-160			2.36	20
Methylene Chloride	5.00	4.51	4.37	90.2	87.4	67.0-120			3.15	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R4214876-1 05/14/25 14:09 • (LCSD) R4214876-2 05/14/25 14:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	25.0	27.0	28.0	108	112	68.0-142			3.64	20
Methyl tert-butyl ether	5.00	4.69	4.66	93.8	93.2	68.0-125			0.642	20
Naphthalene	5.00	4.30	4.40	86.0	88.0	54.0-135			2.30	20
n-Propylbenzene	5.00	4.24	4.22	84.8	84.4	77.0-124			0.473	20
Styrene	5.00	4.06	4.08	81.2	81.6	73.0-130			0.491	20
1,1,1,2-Tetrachloroethane	5.00	4.49	4.44	89.8	88.8	75.0-125			1.12	20
1,1,2,2-Tetrachloroethane	5.00	4.69	4.71	93.8	94.2	65.0-130			0.426	20
1,1,2-Trichlorotrifluoroethane	5.00	4.43	4.40	88.6	88.0	69.0-132			0.680	20
Tetrachloroethene	5.00	4.23	4.28	84.6	85.6	72.0-132			1.18	20
Toluene	5.00	4.32	4.40	86.4	88.0	79.0-120			1.83	20
1,2,3-Trichlorobenzene	5.00	4.52	4.46	90.4	89.2	50.0-138			1.34	20
1,2,4-Trichlorobenzene	5.00	4.20	4.10	84.0	82.0	57.0-137			2.41	20
1,1,1-Trichloroethane	5.00	4.62	4.54	92.4	90.8	73.0-124			1.75	20
1,1,2-Trichloroethane	5.00	4.70	4.75	94.0	95.0	80.0-120			1.06	20
Trichloroethene	5.00	4.97	4.86	99.4	97.2	78.0-124			2.24	20
Trichlorofluoromethane	5.00	4.82	4.85	96.4	97.0	59.0-147			0.620	20
1,2,3-Trichloropropane	5.00	5.45	4.99	109	99.8	73.0-130			8.81	20
1,2,4-Trimethylbenzene	5.00	4.18	4.09	83.6	81.8	76.0-121			2.18	20
1,2,3-Trimethylbenzene	5.00	4.18	4.25	83.6	85.0	77.0-120			1.66	20
1,3,5-Trimethylbenzene	5.00	4.23	4.18	84.6	83.6	76.0-122			1.19	20
Vinyl chloride	5.00	4.56	4.50	91.2	90.0	67.0-131			1.32	20
Xylenes, Total	15.0	12.5	12.4	83.3	82.7	79.0-123			0.803	20
(S) Toluene-d8				102	100	80.0-120				
(S) 4-Bromofluorobenzene				99.0	100	77.0-126				
(S) 1,2-Dichloroethane-d4				107	106	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4214953-1 05/14/25 18:10

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
C10-C28 Diesel Range	U		60.5	100
C28-C36 Motor Oil Range	U		77.2	100
(S) o-Terphenyl	113			52.0-156

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

(LCS) R4214953-2 05/14/25 18:32 • (LCSD) R4214953-3 05/14/25 18:54

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	1500	1660	1680	111	112	50.0-150			1.20	20
(S) o-Terphenyl				127	134	52.0-156				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4214921-3 05/14/25 19:04

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acenaphthene	U		0.0886	1.00
Acenaphthylene	U		0.0921	1.00
Anthracene	U		0.0804	1.00
Benzidine	U		3.74	10.0
Benzo(a)anthracene	U		0.199	1.00
Benzo(b)fluoranthene	U		0.130	1.00
Benzo(k)fluoranthene	U		0.120	1.00
Benzo(g,h,i)perylene	U		0.121	1.00
Benzo(a)pyrene	U		0.0381	1.00
Bis(2-chlorethoxy)methane	U		0.116	10.0
Bis(2-chloroethyl)ether	U		0.137	10.0
2,2-Oxybis(1-Chloropropane)	U		0.210	10.0
4-Bromophenyl-phenylether	U		0.0877	10.0
2-Chloronaphthalene	U		0.0648	1.00
4-Chlorophenyl-phenylether	U		0.0926	10.0
Chrysene	U		0.130	1.00
Dibenz(a,h)anthracene	U		0.0644	1.00
1,2-Dichlorobenzene	U		0.0713	10.0
1,3-Dichlorobenzene	U		0.132	10.0
1,4-Dichlorobenzene	U		0.0942	10.0
3,3-Dichlorobenzidine	U		0.212	10.0
2,4-Dinitrotoluene	U		0.0983	10.0
2,6-Dinitrotoluene	U		0.250	10.0
Fluoranthene	U		0.102	1.00
Fluorene	U		0.0844	1.00
Hexachlorobenzene	U		0.0755	1.00
Hexachloro-1,3-butadiene	U		0.0968	10.0
Hexachlorocyclopentadiene	U		0.0598	10.0
Hexachloroethane	U		0.127	10.0
Indeno(1,2,3-cd)pyrene	U		0.279	1.00
Isophorone	U		0.143	10.0
1-Methylnaphthalene	U		0.0790	1.00
2-Methylnaphthalene	U		0.117	1.00
Naphthalene	U		0.159	1.00
Nitrobenzene	U		0.297	10.0
n-Nitrosodimethylamine	U		0.998	10.0
n-Nitrosodiphenylamine	U		2.37	10.0
n-Nitrosodi-n-propylamine	U		0.261	10.0
Phenanthrene	U		0.112	1.00
Benzylbutyl phthalate	U		0.765	3.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4214921-3 05/14/25 19:04

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Bis(2-ethylhexyl)phthalate	U		0.895	3.00
Di-n-butyl phthalate	U		0.453	3.00
Diethyl phthalate	U		0.287	3.00
Dimethyl phthalate	U		0.260	3.00
Di-n-octyl phthalate	U		0.932	3.00
Pyrene	U		0.107	1.00
1,2,4-Trichlorobenzene	U		0.0698	10.0
4-Chloro-3-methylphenol	U		0.131	10.0
2-Chlorophenol	U		0.133	10.0
2,4-Dichlorophenol	U		0.102	10.0
2,4-Dimethylphenol	U		0.0636	10.0
4,6-Dinitro-2-methylphenol	U		1.12	10.0
2,4-Dinitrophenol	U		5.93	10.0
2-Nitrophenol	U		0.117	10.0
4-Nitrophenol	U		0.143	10.0
Pentachlorophenol	U		0.313	10.0
Phenol	U		4.33	10.0
2,4,6-Trichlorophenol	U		0.100	10.0
(S) 2-Fluorophenol	47.6			10.0-120
(S) Phenol-d5	33.4			10.0-120
(S) Nitrobenzene-d5	65.7			10.0-127
(S) 2-Fluorobiphenyl	69.1			10.0-130
(S) 2,4,6-Tribromophenol	39.0			10.0-155
(S) p-Terphenyl-d14	75.6			10.0-128

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R4214921-1 05/14/25 18:19 • (LCSD) R4214921-2 05/14/25 18:41

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acenaphthene	50.0	38.9	36.5	77.8	73.0	41.0-120			6.37	22
Acenaphthylene	50.0	42.0	39.3	84.0	78.6	43.0-120			6.64	22
Anthracene	50.0	36.5	37.8	73.0	75.6	45.0-120			3.50	20
Benidine	100	3.81	4.43	3.81	4.43	10.0-120	J4	J4	15.0	36
Benzo(a)anthracene	50.0	39.4	41.3	78.8	82.6	47.0-120			4.71	20
Benzo(b)fluoranthene	50.0	37.1	38.1	74.2	76.2	46.0-120			2.66	20
Benzo(k)fluoranthene	50.0	37.0	39.5	74.0	79.0	46.0-120			6.54	21
Benzo(g,h,i)perylene	50.0	45.3	47.3	90.6	94.6	48.0-121			4.32	20
Benzo(a)pyrene	50.0	38.3	40.9	76.6	81.8	47.0-120			6.57	20

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

(LCS) R4214921-1 05/14/25 18:19 • (LCSD) R4214921-2 05/14/25 18:41

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bis(2-chlorethoxy)methane	50.0	34.6	31.8	69.2	63.6	33.0-120			8.43	24
Bis(2-chloroethyl)ether	50.0	38.1	33.2	76.2	66.4	23.0-120			13.7	33
2,2-Oxybis(1-Chloropropane)	50.0	33.1	29.6	66.2	59.2	28.0-120			11.2	31
4-Bromophenyl-phenylether	50.0	36.2	36.8	72.4	73.6	45.0-120			1.64	20
2-Chloronaphthalene	50.0	35.1	33.4	70.2	66.8	37.0-120			4.96	25
4-Chlorophenyl-phenylether	50.0	39.8	39.1	79.6	78.2	44.0-120			1.77	20
Chrysene	50.0	37.8	40.0	75.6	80.0	48.0-120			5.66	20
Dibenz(a,h)anthracene	50.0	46.2	48.8	92.4	97.6	47.0-120			5.47	20
1,2-Dichlorobenzene	50.0	32.3	28.2	64.6	56.4	20.0-120			13.6	34
1,3-Dichlorobenzene	50.0	32.5	28.5	65.0	57.0	17.0-120			13.1	35
1,4-Dichlorobenzene	50.0	32.5	28.5	65.0	57.0	18.0-120			13.1	34
3,3-Dichlorobenzidine	100	74.0	70.7	74.0	70.7	44.0-120			4.56	20
2,4-Dinitrotoluene	50.0	43.9	45.0	87.8	90.0	49.0-124			2.47	20
2,6-Dinitrotoluene	50.0	41.3	41.8	82.6	83.6	46.0-120			1.20	21
Fluoranthene	50.0	43.3	45.5	86.6	91.0	51.0-120			4.95	20
Fluorene	50.0	39.7	39.0	79.4	78.0	47.0-120			1.78	20
Hexachlorobenzene	50.0	34.6	35.3	69.2	70.6	44.0-120			2.00	20
Hexachloro-1,3-butadiene	50.0	26.3	23.7	52.6	47.4	19.0-120			10.4	32
Hexachlorocyclopentadiene	50.0	17.7	17.1	35.4	34.2	15.0-120			3.45	31
Hexachloroethane	50.0	30.4	27.0	60.8	54.0	15.0-120			11.8	37
Indeno(1,2,3-cd)pyrene	50.0	45.1	47.9	90.2	95.8	49.0-122			6.02	20
Isophorone	50.0	35.2	32.4	70.4	64.8	36.0-120			8.28	23
1-Methylnaphthalene	50.0	37.4	33.9	74.8	67.8	33.0-120			9.82	24
2-Methylnaphthalene	50.0	36.7	33.3	73.4	66.6	33.0-120			9.71	25
Naphthalene	50.0	31.2	28.4	62.4	56.8	27.0-120			9.40	27
Nitrobenzene	50.0	31.7	28.0	63.4	56.0	27.0-120			12.4	29
n-Nitrosodimethylamine	50.0	26.8	27.1	53.6	54.2	10.0-120			1.11	40
n-Nitrosodiphenylamine	50.0	36.0	34.1	72.0	68.2	47.0-120			5.42	20
n-Nitrosodi-n-propylamine	50.0	37.0	33.9	74.0	67.8	31.0-120			8.74	28
Phenanthrene	50.0	36.2	37.3	72.4	74.6	46.0-120			2.99	20
Benzylbutyl phthalate	50.0	35.4	38.5	70.8	77.0	43.0-121			8.39	20
Bis(2-ethylhexyl)phthalate	50.0	34.7	37.7	69.4	75.4	43.0-122			8.29	20
Di-n-butyl phthalate	50.0	40.6	42.8	81.2	85.6	49.0-121			5.28	20
Diethyl phthalate	50.0	40.1	41.7	80.2	83.4	48.0-122			3.91	20
Dimethyl phthalate	50.0	42.0	42.3	84.0	84.6	48.0-120			0.712	20
Di-n-octyl phthalate	50.0	36.9	40.5	73.8	81.0	42.0-125			9.30	20
Pyrene	50.0	34.2	35.6	68.4	71.2	47.0-120			4.01	20
1,2,4-Trichlorobenzene	50.0	31.3	28.0	62.6	56.0	24.0-120			11.1	29
4-Chloro-3-methylphenol	50.0	37.5	37.0	75.0	74.0	40.0-120			1.34	21
2-Chlorophenol	50.0	33.1	30.1	66.2	60.2	25.0-120			9.49	35

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R4214921-1 05/14/25 18:19 • (LCSD) R4214921-2 05/14/25 18:41

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
2,4-Dichlorophenol	50.0	33.5	30.9	67.0	61.8	36.0-120			8.07	26
2,4-Dimethylphenol	50.0	31.5	29.8	63.0	59.6	33.0-120			5.55	26
4,6-Dinitro-2-methylphenol	50.0	37.2	38.4	74.4	76.8	38.0-138			3.17	25
2,4-Dinitrophenol	50.0	35.4	33.5	70.8	67.0	10.0-120			5.52	39
2-Nitrophenol	50.0	35.3	31.2	70.6	62.4	31.0-120			12.3	29
4-Nitrophenol	50.0	20.6	22.3	41.2	44.6	10.0-120			7.93	33
Pentachlorophenol	50.0	31.2	28.8	62.4	57.6	23.0-120			8.00	25
Phenol	50.0	18.3	18.9	36.6	37.8	10.0-120			3.23	36
2,4,6-Trichlorophenol	50.0	35.8	34.1	71.6	68.2	42.0-120			4.86	23
<i>(S) 2-Fluorophenol</i>				55.5	52.0	10.0-120				
<i>(S) Phenol-d5</i>				38.8	39.4	10.0-120				
<i>(S) Nitrobenzene-d5</i>				70.5	61.2	10.0-127				
<i>(S) 2-Fluorobiphenyl</i>				76.8	71.7	10.0-130				
<i>(S) 2,4,6-Tribromophenol</i>				67.5	68.5	10.0-155				
<i>(S) p-Terphenyl-d14</i>				69.2	76.5	10.0-128				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4214922-3 05/14/25 20:11

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acenaphthene	U		0.0886	1.00
Acenaphthylene	U		0.0921	1.00
Anthracene	U		0.0804	1.00
Benzidine	U		3.74	10.0
Benzo(a)anthracene	U		0.199	1.00
Benzo(b)fluoranthene	U		0.130	1.00
Benzo(k)fluoranthene	U		0.120	1.00
Benzo(g,h,i)perylene	U		0.121	1.00
Benzo(a)pyrene	U		0.0381	1.00
Bis(2-chlorethoxy)methane	U		0.116	10.0
Bis(2-chloroethyl)ether	U		0.137	10.0
2,2-Oxybis(1-Chloropropane)	U		0.210	10.0
4-Bromophenyl-phenylether	U		0.0877	10.0
2-Chloronaphthalene	U		0.0648	1.00
4-Chlorophenyl-phenylether	U		0.0926	10.0
Chrysene	U		0.130	1.00
Dibenz(a,h)anthracene	U		0.0644	1.00
1,2-Dichlorobenzene	U		0.0713	10.0
1,3-Dichlorobenzene	U		0.132	10.0
1,4-Dichlorobenzene	U		0.0942	10.0
3,3-Dichlorobenzidine	U		0.212	10.0
2,4-Dinitrotoluene	U		0.0983	10.0
2,6-Dinitrotoluene	U		0.250	10.0
Fluoranthene	U		0.102	1.00
Fluorene	U		0.0844	1.00
Hexachlorobenzene	U		0.0755	1.00
Hexachloro-1,3-butadiene	U		0.0968	10.0
Hexachlorocyclopentadiene	U		0.0598	10.0
Hexachloroethane	U		0.127	10.0
Indeno(1,2,3-cd)pyrene	U		0.279	1.00
Isophorone	U		0.143	10.0
1-Methylnaphthalene	U		0.0790	1.00
2-Methylnaphthalene	U		0.117	1.00
Naphthalene	U		0.159	1.00
Nitrobenzene	U		0.297	10.0
n-Nitrosodimethylamine	U		0.998	10.0
n-Nitrosodiphenylamine	U		2.37	10.0
n-Nitrosodi-n-propylamine	U		0.261	10.0
Phenanthrene	U		0.112	1.00
Benzylbutyl phthalate	U		0.765	3.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4214922-3 05/14/25 20:11

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Bis(2-ethylhexyl)phthalate	U		0.895	3.00
Di-n-butyl phthalate	U		0.453	3.00
Diethyl phthalate	U		0.287	3.00
Dimethyl phthalate	U		0.260	3.00
Di-n-octyl phthalate	U		0.932	3.00
Pyrene	U		0.107	1.00
1,2,4-Trichlorobenzene	U		0.0698	10.0
4-Chloro-3-methylphenol	U		0.131	10.0
2-Chlorophenol	U		0.133	10.0
2,4-Dichlorophenol	U		0.102	10.0
2,4-Dimethylphenol	U		0.0636	10.0
4,6-Dinitro-2-methylphenol	U		1.12	10.0
2,4-Dinitrophenol	U		5.93	10.0
2-Nitrophenol	U		0.117	10.0
4-Nitrophenol	U		0.143	10.0
Pentachlorophenol	U		0.313	10.0
Phenol	U		4.33	10.0
2,4,6-Trichlorophenol	U		0.100	10.0
(S) 2-Fluorophenol	38.9			10.0-120
(S) Phenol-d5	30.0			10.0-120
(S) Nitrobenzene-d5	72.0			10.0-127
(S) 2-Fluorobiphenyl	71.0			10.0-130
(S) 2,4,6-Tribromophenol	45.3			10.0-155
(S) p-Terphenyl-d14	71.8			10.0-128

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

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

(LCS) R4214922-1 05/14/25 19:26 • (LCSD) R4214922-2 05/14/25 19:48

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acenaphthene	50.0	37.7	39.3	75.4	78.6	41.0-120			4.16	22
Acenaphthylene	50.0	41.0	43.1	82.0	86.2	43.0-120			4.99	22
Anthracene	50.0	37.1	38.1	74.2	76.2	45.0-120			2.66	20
Benzidine	100	3.49	3.50	3.49	3.50	10.0-120	J4	J4	0.286	36
Benzo(a)anthracene	50.0	40.1	38.3	80.2	76.6	47.0-120			4.59	20
Benzo(b)fluoranthene	50.0	36.8	34.8	73.6	69.6	46.0-120			5.59	20
Benzo(k)fluoranthene	50.0	37.7	35.3	75.4	70.6	46.0-120			6.58	21
Benzo(g,h,i)perylene	50.0	45.1	42.0	90.2	84.0	48.0-121			7.12	20
Benzo(a)pyrene	50.0	38.5	36.2	77.0	72.4	47.0-120			6.16	20

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

(LCS) R4214922-1 05/14/25 19:26 • (LCSD) R4214922-2 05/14/25 19:48

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bis(2-chlorethoxy)methane	50.0	34.1	34.6	68.2	69.2	33.0-120			1.46	24
Bis(2-chloroethyl)ether	50.0	40.5	39.7	81.0	79.4	23.0-120			2.00	33
2,2-Oxybis(1-Chloropropane)	50.0	34.8	35.5	69.6	71.0	28.0-120			1.99	31
4-Bromophenyl-phenylether	50.0	36.4	38.0	72.8	76.0	45.0-120			4.30	20
2-Chloronaphthalene	50.0	35.1	36.8	70.2	73.6	37.0-120			4.73	25
4-Chlorophenyl-phenylether	50.0	38.5	40.2	77.0	80.4	44.0-120			4.32	20
Chrysene	50.0	39.3	37.3	78.6	74.6	48.0-120			5.22	20
Dibenz(a,h)anthracene	50.0	46.7	43.2	93.4	86.4	47.0-120			7.79	20
1,2-Dichlorobenzene	50.0	33.4	34.2	66.8	68.4	20.0-120			2.37	34
1,3-Dichlorobenzene	50.0	33.6	34.3	67.2	68.6	17.0-120			2.06	35
1,4-Dichlorobenzene	50.0	34.1	35.0	68.2	70.0	18.0-120			2.60	34
3,3-Dichlorobenzidine	100	72.4	71.8	72.4	71.8	44.0-120			0.832	20
2,4-Dinitrotoluene	50.0	44.3	44.2	88.6	88.4	49.0-124			0.226	20
2,6-Dinitrotoluene	50.0	40.9	42.5	81.8	85.0	46.0-120			3.84	21
Fluoranthene	50.0	44.5	43.5	89.0	87.0	51.0-120			2.27	20
Fluorene	50.0	38.4	40.0	76.8	80.0	47.0-120			4.08	20
Hexachlorobenzene	50.0	35.0	34.9	70.0	69.8	44.0-120			0.286	20
Hexachloro-1,3-butadiene	50.0	25.2	26.9	50.4	53.8	19.0-120			6.53	32
Hexachlorocyclopentadiene	50.0	12.7	14.9	25.4	29.8	15.0-120			15.9	31
Hexachloroethane	50.0	31.3	32.6	62.6	65.2	15.0-120			4.07	37
Indeno(1,2,3-cd)pyrene	50.0	45.3	42.5	90.6	85.0	49.0-122			6.38	20
Isophorone	50.0	34.3	35.6	68.6	71.2	36.0-120			3.72	23
1-Methylnaphthalene	50.0	36.0	37.4	72.0	74.8	33.0-120			3.81	24
2-Methylnaphthalene	50.0	35.1	37.3	70.2	74.6	33.0-120			6.08	25
Naphthalene	50.0	31.6	32.8	63.2	65.6	27.0-120			3.73	27
Nitrobenzene	50.0	32.1	33.0	64.2	66.0	27.0-120			2.76	29
n-Nitrosodimethylamine	50.0	25.7	24.6	51.4	49.2	10.0-120			4.37	40
n-Nitrosodiphenylamine	50.0	36.9	37.4	73.8	74.8	47.0-120			1.35	20
n-Nitrosodi-n-propylamine	50.0	38.3	37.9	76.6	75.8	31.0-120			1.05	28
Phenanthrene	50.0	36.7	37.5	73.4	75.0	46.0-120			2.16	20
Benzylbutyl phthalate	50.0	36.6	37.5	73.2	75.0	43.0-121			2.43	20
Bis(2-ethylhexyl)phthalate	50.0	36.0	35.0	72.0	70.0	43.0-122			2.82	20
Di-n-butyl phthalate	50.0	41.0	42.2	82.0	84.4	49.0-121			2.88	20
Diethyl phthalate	50.0	40.2	41.0	80.4	82.0	48.0-122			1.97	20
Dimethyl phthalate	50.0	41.0	42.6	82.0	85.2	48.0-120			3.83	20
Di-n-octyl phthalate	50.0	37.8	36.0	75.6	72.0	42.0-125			4.88	20
Pyrene	50.0	34.7	35.0	69.4	70.0	47.0-120			0.861	20
1,2,4-Trichlorobenzene	50.0	30.3	32.9	60.6	65.8	24.0-120			8.23	29
4-Chloro-3-methylphenol	50.0	28.8	28.6	57.6	57.2	40.0-120			0.697	21
2-Chlorophenol	50.0	26.1	25.8	52.2	51.6	25.0-120			1.16	35

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R4214922-1 05/14/25 19:26 • (LCSD) R4214922-2 05/14/25 19:48

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
2,4-Dichlorophenol	50.0	28.6	29.2	57.2	58.4	36.0-120			2.08	26
2,4-Dimethylphenol	50.0	25.8	25.4	51.6	50.8	33.0-120			1.56	26
4,6-Dinitro-2-methylphenol	50.0	35.4	37.7	70.8	75.4	38.0-138			6.29	25
2,4-Dinitrophenol	50.0	29.4	31.2	58.8	62.4	10.0-120			5.94	39
2-Nitrophenol	50.0	32.5	33.8	65.0	67.6	31.0-120			3.92	29
4-Nitrophenol	50.0	15.5	15.5	31.0	31.0	10.0-120			0.000	33
Pentachlorophenol	50.0	25.1	29.3	50.2	58.6	23.0-120			15.4	25
Phenol	50.0	16.5	15.1	33.0	30.2	10.0-120			8.86	36
2,4,6-Trichlorophenol	50.0	32.6	35.2	65.2	70.4	42.0-120			7.67	23
<i>(S) 2-Fluorophenol</i>				41.2	39.5	10.0-120				
<i>(S) Phenol-d5</i>				33.8	30.6	10.0-120				
<i>(S) Nitrobenzene-d5</i>				68.6	68.7	10.0-127				
<i>(S) 2-Fluorobiphenyl</i>				72.2	76.5	10.0-130				
<i>(S) 2,4,6-Tribromophenol</i>				64.0	67.0	10.0-155				
<i>(S) p-Terphenyl-d14</i>				70.4	67.7	10.0-128				

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

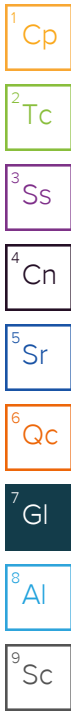
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	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
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
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.
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.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
T8	Sample(s) received past/too close to holding time expiration.
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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



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

L183641

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 Henauff, Eric Catlin, Madelyn Klinkerman
Phone #:
E-Mail: chevron_bishop@cteh.com; kyrelawrence@cteh.com; tmcnullin@cteh.com;
andyhenauff@cteh.com
Cc E-Mail: acatlin@cteh.com; mlinkerman@cteh.com

Customer Project #: PROJ-054017

Invoice to: CTEH

Project Name:
Bishop Loss of Containment

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:
 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 _____
Date Results Requested:

DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [X] Yes [] No
Analysis: Dissolved Metals

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

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

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

* 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 (CQ), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start		Collected or Composite End		# Cont.	Residual Chlorine		VOCs 8260D; TPH-GRO/DRO/ORO 8015D	SVOCs 8270E	Total Metals 6020B; Hardness 130.1	Dissolved Metals 6020B	Hexavalent Chromium	TDS; TSS	Anions; Alkalinity; pH	Total Phosphorus; Total Nitrogen; TKN; Ammonia	TOC	MBAS	Sample Comment	
			Date	Time	Date	Time		Result	Units												
GACO0513W002	SW	G	-	-	5/13/25	0839	19	-	-	X	X	X	X	X	X	X	X	X	X	X	<i>OK</i>
GACO0513T002	OT	-	-	-	5/13/25	0700	1	-	-	X	-	-	-	-	-	-	-	-	-	-	<i>OK</i>
<i>OK</i>																					

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

Lab Use Only
Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
VOC and SVOC full list; Total Metals TAL+B; Dissolved Metals Al, As, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Zn; Anions Br, Cl, F, SO4, NO2, NO3

Collected By:
Printed Name: *Adam Earhart*
Signature: *Adam Earhart*

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

Relinquished by/Company: (Signature) *Adam Earhart* CTEH
Date/Time: 5/13/25 1800

Received by/Company: (Signature) PACE
Date/Time: 5/14-25 / 1115

Received by/Company: (Signature) *Adam Earhart*
Date/Time: 5/14-25 / 1115

Tracking Number: N/A
Delivered by: [] In-Person [] Courier
[] FedEx [] UPS [] Other

Page: 2 of 11



Pace® Location Requested (City/State):

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

CHAIN-OF-CUSTODY Analytical Request Document

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

LAB USE ONLY- Affix Workorder/Login Label Here



Scan QR Code for instructions

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

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

Specify Container Size **

6 x 7	5 x 2	3 x 1	3 x 1	10 x 1	1 x 2	3, 4	3 x 1	3 x 1	2 x 1
4	1	2	2	11	1	1	3	3	1

 Identify Container Preservative Type***
 Analysis Requested

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

* 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), Stage (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start		Collected or Composite End		# Cont.	Residual Chlorine Result	Units	VOCs 8260D; TPH-GRO/DRO/LORO 8015D	SVOCs 8270E	Total Metals 6020B; Hardness 130.1	Dissolved Metals 6020B	Hexavalent Chromium	TDS; TSS	Anions; Alkalinity; pH	Total Phosphorus; Total Nitrogen; TKN; Ammonia	TOC	MBAS	Sample Comment
			Date	Time	Date	Time														
GAC00513W002.5	SW	G	-	-	5/13/25	0900	19	-	-	X	X	X	X	X	X	X	X	X	X	03
GAC00513T003	OT	-	-	-	5/13/25	0700	1	-	-	X	-	-	-	-	-	-	-	-	-	04
<i>ok</i>																				

Additional Instructions from Pace®: VOC and SVOC full list; Total Metals TAL+B; Dissolved Metals Al, As, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Zn; Anions Br, Cl, F, SO4, NO2, NO3
 Collected By: Adam Earhart
 Signature: *Adam Earhart*

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

Relinquished by/Company: (Signature) <i>Adam Earhart</i> / CTEH	Date/Time: 5/13/25 1800	Received by/Company: (Signature) PACE	Date/Time: 5/13/25 1800	Tracking Number: W1A
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature) <i>W. K. K... 17 / PACE</i>	Date/Time: 5-14-25 / 1115	Delivered by: [] In-Person [] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[] FedEx [] UPS [] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 3 of 11



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

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Scan QR Code for instructions

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

Specify Container Size **										**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other
6 x 7	5 x 2	3 x 1	3 x 1	10 x 1	1 x 2	3, 4	3 x 1	3 x 1	2 x 1	*** 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
Identify Container Preservative Type***										
4	1	2	2	11	1	1	3	3	1	

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 _____
 Date Results Requested: _____
 DW PWSID # or WW Permit # as applicable: _____
 Field Filtered (if applicable): [X] Yes [] No
 Analysis: Dissolved Metals

VOCs 8260D; TPH-GRO/DRO/ORO 8015D	SVOCs 8270E	Total Metals 6020B; Hardness 130.1	Dissolved Metals 6020B	Hexavalent Chromium	TDS; TSS	Anions; Alkalinity; pH	Total Phosphorus; Total Nitrogen; TKN; Ammonia	TOC	MBAS
-----------------------------------	-------------	------------------------------------	------------------------	---------------------	----------	------------------------	--	-----	------

Proj. Mgr: 546-Jared Starkey
 AcctNum / Client ID: CTEHER
 Table #: _____
 Profile / Template: T271979
 Pregol / 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		Collected or Composite End		# Cont.	Residual Chlorine		VOCs 8260D; TPH-GRO/DRO/ORO 8015D	SVOCs 8270E	Total Metals 6020B; Hardness 130.1	Dissolved Metals 6020B	Hexavalent Chromium	TDS; TSS	Anions; Alkalinity; pH	Total Phosphorus; Total Nitrogen; TKN; Ammonia	TOC	MBAS	Sample Comment	
			Date	Time	Date	Time		Result	Units												
GAC00513V002.5	SW	G	-	-	5/13/25	0900	19	-	-	X	X	X	X	X	X	X	X	X	X	X	05
GAC00513T004	OT	-	-	-	5/13/25	0700	1	-	-	X	-	-	-	-	-	-	-	-	-	-	01
<i>al</i>																					

Additional Instructions from Pace®: VOC and SVOC full list; Total Metals TAL+B; Dissolved Metals Al, As, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Zn; Anions Br, Cl, F, SO4, NO2, NO3
 Collected By: Adam Earhart
 Printed Name: Adam Earhart
 Signature: *Adam Earhart*

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

Relinquished by/Company: (Signature) <i>Adam Earhart</i> / CTEH	Date/Time: 5/13/25 1800	Received by/Company: (Signature) PACE	Date/Time: 5/13/25 1800	Tracking Number: N/A
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature) <i>Erin Brown</i> / Pace	Date/Time: 5-14-25 / 1115	Delivered by: [] In-Person [] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[] FedEX [] UPS [] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 4 of 11

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

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Scan QR Code for instructions

Company Name: CTEH, LLC
 Street Address: 5120 North Shore Drive, North Little Rock, AR 72118
 Contact/Report To: Chevron-Bishop, Kyle Lawrence, Tami McMullin, Andy Henault, Eric Catlin, Madelyn Klinkerman
 Phone #: _____
 E-Mail: chevron_bishop@cteh.com; kyrelawrence@cteh.com; tmcnullin@cteh.com; ahenault@cteh.com
 Cc E-Mail: ecatlin@cteh.com; mkiinkerman@cteh.com
 Customer Project #: PROJ-054017
 Project Name: Bishop Loss of Containment
 Site Collection Info/Facility ID (as applicable): Galeton, CO
 Invoice to: CTEH
 Invoice E-mail: ctehap@montrose-env.com
 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 _____
 Date Results Requested: _____
 DW PWSID # or WW Permit # as applicable: _____
 Field Filtered (if applicable): [X] Yes [] No
 Analysis: Dissolved Metals

Specify Container Size **										
6 x 7	5 x 2	3 x 1	3 x 1	10 x 1	1 x 2	3, 4	3 x 1	3 x 1	2 x 1	
4	1	2	2	11	1	1	3	3	1	

Identify Container Preservative Type***

*** 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

* 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		Collected or Composite End		# Cont.	Residual Chlorine		VOCs 8260D; TPH-GRO/DRO/LORO. 8015D	SVOCs 8270E	Total Metals 6020B; Hardness 130.1	Dissolved Metals 6020B	Hexavalent Chromium	TDS; TSS	Anions; Alkalinity; pH	Total Phosphorus; Total Nitrogen; TKN; Ammonia	TOC	MBAS	Sample Comment	Preservation non-conformance identified for sample.	
			Date	Time	Date	Time		Result	Units													
GACO0513W006	SW	G	-	-	5/13/2025	0756	19	-	-	X	X	X	X	X	X	X	X	X	X	X	GG	
GACO0513T009	OT	-	-	-	5/13/2025	0700	1	-	-	X	-	-	-	-	-	-	-	-	-	-	10	

Additional Instructions from Pace®:
 VOC and SVOC full list; Total Metals TAL+B; Dissolved Metals Al, As, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Zn; Anions Br, Cl, F, SO4, NO2, NO3

Collected By: *Reagan Bises*
 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) <i>CTEH</i>	Date/Time: 05/13/25 1800	Received by/Company: (Signature) <i>pace</i>	Date/Time: 05/13/25 1800	Tracking Number: N/A
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature) <i>Li: JACOB</i>	Date/Time: 5-14-25/1115	Delivered by: [] In-Person [] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[] FedEx [] UPS [] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 04 of 11

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Scan QR Code for instructions

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

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; tmcnullin@cteh.com; ahenault@cteh.com
 Cc E-Mail: ecatin@cteh.com; mlinkerman@cteh.com
 Invoice to: CTEH
 Invoice E-mail: ctehap@montrose-env.com
 Purchase Order # (if applicable): _____
 Quote #: _____
 Reportable [] Yes [] No
 DW PWSID # or WW Permit # as applicable: _____
 Field Filtered (if applicable): [X] Yes [] No
 Analysis: Dissolved Metals

Specify Container Size **									
6 x 7	5 x 2	3 x 1	3 x 1	10 x 1	1 x 2	3, 4	3 x 1	3 x 1	2 x 1
4	1	2	2	11	1	1	3	3	1
Identify Container Preservative Type***									
*** 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									
Analysis Requested									

Data Deliverables: [X] Level II [] Level III [] Level IV
 [] EQUIS [] Other _____
 Regulatory Program (DW, RCRA, etc.) as applicable: _____
 Date Results Requested: _____
 * 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)

VOCs 8260D; TPH-GRO/DRO/ORO 8015D	SVOCs 8270E	Total Metals 6020B; Hardness 130.1	Dissolved Metals 6020B	Hexavalent Chromium	TDS; TSS	Anions; Alkalinity; pH	Total Phosphorus; Total Nitrogen; TKN; Ammonia	TOC	MBAS
-----------------------------------	-------------	------------------------------------	------------------------	---------------------	----------	------------------------	--	-----	------

Proj. Mgr: 546-Jared Starkey
 AcctNum / Client ID: CTEHER
 Table #: _____
 Profile / Template: T271979
 Prelog / Bottle Ord. ID: _____
 Sample Comment: _____

Customer Sample ID	Matrix *	Comp / Grab	Composite Start		Collected or Composite End		# Cont.	Residual Chlorine		VOCs 8260D; TPH-GRO/DRO/ORO 8015D	SVOCs 8270E	Total Metals 6020B; Hardness 130.1	Dissolved Metals 6020B	Hexavalent Chromium	TDS; TSS	Anions; Alkalinity; pH	Total Phosphorus; Total Nitrogen; TKN; Ammonia	TOC	MBAS	Sample Comment	
			Date	Time	Date	Time		Result	Units												
GAC00513F001	SW	G	-	-	5/13/2025	0830	19	-	-	X	X	X	X	X	X	X	X	X	X	X	4
GAC00513T011	OT	-	-	-	5/13/2025	0700	1	-	-	X	-	-	-	-	-	-	-	-	-	-	2
RR																					

Additional Instructions from Pace*:
 VOC and SVOC full list; Total Metals TAL+B; Dissolved Metals Al, As, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Zn; Anions Br, Cl, F, SO4, NO2, NO3

Collected By: Reagan Rivers
 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) <i>h CTEH</i>	Date/Time: 05/13/25 1800	Received by/Company: (Signature) <i>Pace</i>	Date/Time: 05/13/25 1800	Tracking Number: N/A
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature) <i>Li-Rivers 17 / Pace</i>	Date/Time: 5-14-25 / 1115	Delivered by: [] In-Person [] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[] FedEx [] UPS [] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 11 of 11

Multiple Parcel Form

L# _____

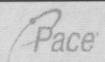
Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
N/A	TLA9	2.2	+0.4	2.8	<input checked="" type="checkbox"/> Yes / No / Not Present
↓	↓	3.1	↓	3.5	<input checked="" type="checkbox"/> Yes / No / Not Present
↓	↓	0.3	↓	0.7	<input checked="" type="checkbox"/> Yes / No / Not Present
↓	↓	3.5	↓	3.9	<input checked="" type="checkbox"/> Yes / No / Not Present
↓	↓	2.4	↓	2.8	<input checked="" type="checkbox"/> Yes / No / Not Present
↓	↓	2.2	↓	2.6	<input checked="" type="checkbox"/> Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present

FI: Dossett / G. Davis 17

5-14-25

Name

Date



Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

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

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Scan QR Code for instructions

2105811

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; tmcnullin@cteh.com;
Cc E-Mail: ecatlin@cteh.com; mlinkerman@cteh.com

Customer Project #: PROJ-054017

Invoice to: CTEH

Project Name:
Bishop Loss of Containment

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 _____
Date Results Requested:
DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [X] Yes [] No
Analysis: Dissolved Metals

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

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

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

VOCs 8260D; TPH-GRO/DRO/LORO 8015D	SVOCs 8270E	Total Metals 6020B; Hardness 130.1	Dissolved Metals 6020B	Hexavalent Chromium	TDS; TSS	Anions; Alkalinity; pH	Total Phosphorus; Total Nitrogen; TKN; Ammonia	TOC	MBAS
------------------------------------	-------------	------------------------------------	------------------------	---------------------	----------	------------------------	--	-----	------

Proj. Mgr: 546-Jared Starkey
AcctNum / Client ID: CTEHER
Table #: **G212**
Profile: 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		Collected or Composite End		# Cont.	Residual Chlorine		VOCs 8260D; TPH-GRO/DRO/LORO 8015D	SVOCs 8270E	Total Metals 6020B; Hardness 130.1	Dissolved Metals 6020B	Hexavalent Chromium	TDS; TSS	Anions; Alkalinity; pH	Total Phosphorus; Total Nitrogen; TKN; Ammonia	TOC	MBAS	Sample Comment	
			Date	Time	Date	Time		Result	Units												
GAC00513W001	SW	G	-	-	5/13/25	0750	19	-	-	X	X	X	X	X	X	X	X	X	X	X	13
GAC00513T001	OT	-	-	-	5/13/25	0700	1	-	-	X	-	-	-	-	-	-	-	-	-	-	14

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

Additional Instructions from Pace®:
VOC and SVOC full list; Total Metals TAL+B; Dissolved Metals Al, As, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Zn; Anions Br, Cl, F, SO4, NO2, NO3

Collected By: *Adam Earnhart*
Printed Name: Adam Earnhart
Signature: *Adam Earnhart*

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

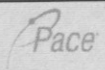
Relinquished by/Company: (Signature) *Adam Earnhart* / CTEH
Date/Time: 5/13/25 1800

Received by/Company: (Signature) PACE
Date/Time: 5/14/25 1301

Relinquished by/Company: (Signature) *Adam Earnhart*
Date/Time: 5/13/25 1800

Received by/Company: (Signature) *Adam Earnhart*
Date/Time: 5/14/25 1301

Tracking Number:
Delivered by: [] In-Person [] Courier
[] FedEx [] UPS [] Other
Page: 1 of 11



Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

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

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Scan QR Code for instructions

Company Name: CTEH, LLC
 Street Address: 5120 North Shore Drive, North Little Rock, AR 72118
 Contact/Report To: Chevron-Bishop, Kyle Lawrence, Tami McMullin, Andy Henauff, Eric Catlin, Madelyn Klinkerman
 Phone #: _____
 E-Mail: chevron_bishop@cteh.com; kylelawrence@cteh.com; tmcnullin@cteh.com;
 Cc E-Mail: ecatlin@cteh.com; mlinkerman@cteh.com
 Invoice to: CTEH
 Invoice E-mail: ctehap@montrose-env.com
 Purchase Order # (if applicable): _____
 Quote #: _____

Customer Project #: PROJ-054017
 Project Name: Bishop Loss of Containment
 Site Collection Info/Facility ID (as applicable): Galeton, CO
 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 _____
 Date Results Requested: _____
 DW PWSID # or WW Permit # as applicable: _____
 Field Filtered (if applicable): [X] Yes [] No
 Analysis: Dissolved Metals

Specify Container Size **

6 x 7	5 x 2	3 x 1	3 x 1	10 x 1	1 x 2	3, 4	3 x 1	3 x 1	2 x 1
-------	-------	-------	-------	--------	-------	------	-------	-------	-------

 Identify Container Preservative Type***

4	1	2	2	11	1	1	3	3	1
---	---	---	---	----	---	---	---	---	---

 Analysis Requested

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		Collected or Composite End		# Cont.	Residual Chlorine		VOCs 8260D, TPH-GRO/DRO/LORO, 8015D	SVOCs 8270E	Total Metals 6020B; Hardness 130.1	Dissolved Metals 6020B	Hexavalent Chromium	TDS; TSS	Anions; Alkalinity; pH	Total Phosphorus; Total Nitrogen; TKN; Ammonia	TOC	MBAS	Sample Comment	Lab Use Only	Preservation non-conformance identified for sample.	
			Date	Time	Date	Time		Result	Units														
GAC00513W003	SW	G	-	-	5/13/25	0931	19	-	-	X	X	X	X	X	X	X	X	X	X	X	15		
GAC00513T005	OT	-	-	-	5/13/25	0700	1	-	-	X	-	-	-	-	-	-	-	-	-	-	16		
<i>ok</i>																							

Additional Instructions from Pace®: VOC and SVOC full list; Total Metals TAL+B; Dissolved Metals Al, As, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Zn; Anions Br, Cl, F, SO4, NO2, NO3
 Collected By: Adam Earnhart
 Signature: *Adam Earnhart*
 Customer Remarks / Special Conditions / Possible Hazards: _____
 # Coolers: _____ Thermometer ID: _____ Correction Factor (°C): _____ Obs. Temp. (°C): _____ Corrected Temp. (°C): _____ [] On Ice

Relinquished by/Company: (Signature) *Adam Earnhart* / CTEH Date/Time: 5/13/25 1800
 Relinquished by/Company: (Signature) _____ Date/Time: _____
 Relinquished by/Company: (Signature) _____ Date/Time: _____
 Relinquished by/Company: (Signature) _____ Date/Time: _____
 Received by/Company: (Signature) PACE Date/Time: 5/13/25 1800
 Received by/Company: (Signature) *MB* Date/Time: 5/14/25 1300
 Tracking Number: _____
 Delivered by: [] In-Person [] Courier
 [] FedEx [] UPS [] Other
 Page: 5 of 11

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Scan QR Code for instructions

Company Name: CTEH, LLC
 Street Address: 5120 North Shore Drive, North Little Rock, AR 72118
 Customer Project #: PROJ-054017
 Project Name: Bishop Loss of Containment
 Site Collection Info/Facility ID (as applicable): Galeton, CO
 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 _____
 Date Results Requested: _____
 DW PWSID # or WW Permit # as applicable: _____
 Field Filtered (if applicable): [X] Yes [] No
 Analysis: Dissolved Metals

Specify Container Size **									
6 x 7	5 x 2	3 x 1	3 x 1	10 x 1	1 x 2	3, 4	3 x 1	3 x 1	2 x 1
Identify Container Preservative Type***									
4	1	2	2	11	1	1	3	3	1

Analysis Requested												
VOCs 8260D; TPH-GRO/DRO/LORO 8015D	SVOCs 8270E	Total Metals 6020B; Hardness 130.1	Dissolved Metals 6020B	Hexavalent Chromium	TDS; TSS	Anions; Alkalinity; pH	Total Phosphorus; Total Nitrogen; TKN; Ammonia	TOC	MBAS	Proj. Mgr: 546-Jared Starkey	AcctNum / Client ID: CTEHER	Table #: T271979

* 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		Collected or Composite End		# Cont.	Residual Chlorine		VOCs 8260D; TPH-GRO/DRO/LORO 8015D	SVOCs 8270E	Total Metals 6020B; Hardness 130.1	Dissolved Metals 6020B	Hexavalent Chromium	TDS; TSS	Anions; Alkalinity; pH	Total Phosphorus; Total Nitrogen; TKN; Ammonia	TOC	MBAS	Sample Comment	
			Date	Time	Date	Time		Result	Units												
GAC00513W004.5	SW	G	-	-	5/13/2025	0905	19	-	-	X	X	X	X	X	X	X	X	X	X	X	19
GAC00513T007	OT	-	-	-	5/13/2025	0700	1	-	-	X	-	-	-	-	-	-	-	-	-	-	20
REDACTED																					

Lab Use Only	Profile / Template: T271979	Prelog / Bottle Ord. ID:
Preservation non-conformance identified for sample.	Sample Comment	

Additional Instructions from Pace®: VOC and SVOC full list; Total Metals TAL+B; Dissolved Metals Al, As, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Zn; Anions Br, Cl, F, SO4, NO2, NO3
 Collected By: Reason River
 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) <i>[Signature]</i> CTEH	Date/Time: 05/13/25 1800	Received by/Company: (Signature) Pace	Date/Time: 05/13/25 1800
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature) <i>[Signature]</i>	Date/Time: 05/14/25 1300
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:
Delivered by: [] In-Person [] Courier
[] FedEx [] UPS [] Other
Page: 07 of 11

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

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Scan QR Code for instructions

Company Name: CTEH, LLC
 Street Address:
 5120 North Shore Drive, North Little Rock, AR 72118

Contact/Report To: Chevron-Bishop, Kyle Lawrence, Tamr McMullin, Andy Henault, Eric Catlin, Madelyn Klinkerman
 Phone #:
 E-Mail: chevron_bishop@cteh.com; kylelawrence@cteh.com; tmcnullin@cteh.com; ahenault@cteh.com
 Cc E-Mail: ecatin@cteh.com; mklinkerman@cteh.com

Customer Project #: PROJ-054017
 Project Name:
 Bishop Loss of Containment
 Site Collection info/Facility ID (as applicable):
 Galeton, CO

Invoice to: CTEH
 Invoice E-mail: ctehap@montrose-env.com
 Purchase Order # (if applicable):
 Quote #:

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

County / State origin of sample(s): CO

Data Deliverables:
 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 _____
 Date Results Requested: _____
 DW PWSID # or WW Permit # as applicable: _____
 Field Filtered (if applicable): [X] Yes [] No
 Analysis: Dissolved Metals

Specify Container Size **									
6 x 7	5 x 2	3 x 1	3 x 1	10 x 1	1 x 2	3, 4	3 x 1	3 x 1	2 x 1
Identify Container Preservative Type***									
4	1	2	2	11	1	1	3	3	1

**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

* 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		Collected or Composite End		# Cont.	Residual Chlorine		VOCs 8260D; TPH-GRO/DRO/ORO 8015D	SVOCs 8270E	Total Metals 6020B; Hardness 130.1	Dissolved Metals 6020B	Hexavalent Chromium	TDS; TSS	Anions; Alkalinity; pH	Total Phosphorus; Total Nitrogen; TKN; Ammonia	TOC	MBAS	Sample Comment	
			Date	Time	Date	Time		Result	Units												
GAC00513W008	SW	G	-	-	5/13/2025	0948	19	-	-	X	X	X	X	X	X	X	X	X	X	X	21
GAC00513T010	OT	-	-	-	5/13/2025	0700	1	-	-	X	-	-	-	-	-	-	-	-	-	-	22
RR																					

Analysis Requested

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

Prevention non-conformance identified for sample.

Additional Instructions from Pace*:
 VOC and SVOC full list; Total Metals TAL+B; Dissolved Metals Al, As, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Zn; Anions Br, Cl, F, SO4, NO2, NO3

Collected By: Reason Rivers
 Printed Name: Reason Rivers
 Signature: *[Signature]*

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

Relinquished by/Company: (Signature) *[Signature]* CTEH
 Date/Time: 05/13/25 1800

Date/Time: _____

Received by/Company: (Signature) *[Signature]* Pace
 Date/Time: 05/13/25 1700

Date/Time: 5/14/25 1300

Tracking Number:
 Delivered by: [] In-Person [] Courier
 [] FedEx [] UPS [] Other
 Page: 10 of 11

