Haley Griffith (adpce.ad)

From: Mark Beasley <Mark.Beasley@pacelabs.com>
Sent: Thursday, August 14, 2025 3:02 PM
To: EE GW Reports
Cc: Andrew Pruitt; Melissa Vaught
Subject: Lab reports
Attachments: Outlook-Icon Desc; L1836751.pdf; L1857530.pdf; L1860472.pdf; L1861078.pdf; L1883529.pdf

Thanks
Mark Beasley
Manager – Client Operations / National
12065 Lebanon Road | Mt. Juliet, TN 37122
Office: 615.773.9672 | Cell: 615.330.1602
mark.beasley@pacelabs.com

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ANALYTICAL REPORT

March 24, 2025

Legacy Landfill

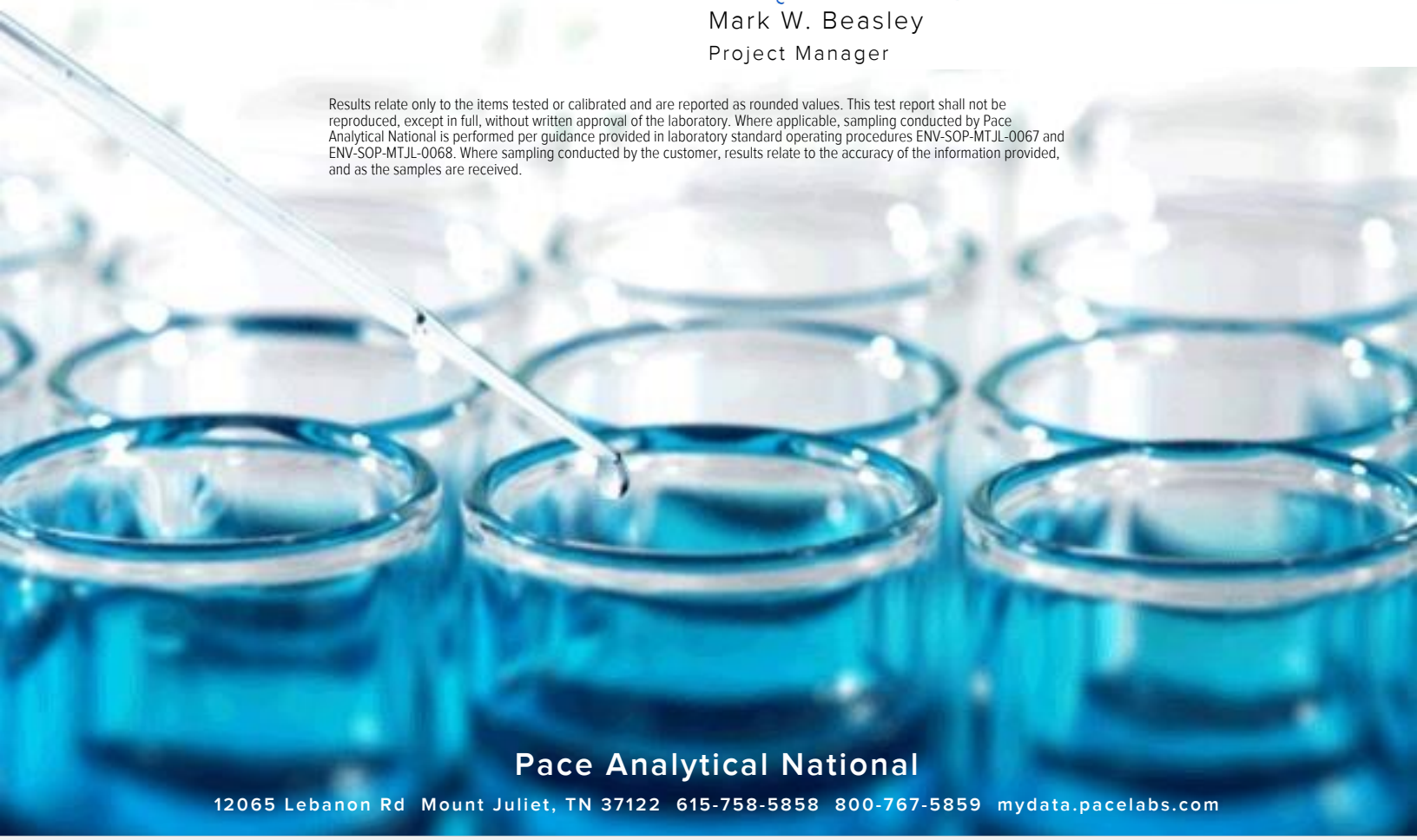
Sample Delivery Group:	L1836751
Samples Received:	03/15/2025
Project Number:	024-01259
Description:	Craighead County - Legacy Landfill

Report To: Melissa Vaught
3537 N. Steele Blvd, Suite 310
Fayetteville, AR 72703

Entire Report Reviewed By:

Mark W. Beasley
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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MW-23 L1836751-01 GW

Collected by: Michael Clayton | Collected date/time: 03/12/25 14:05 | Received date/time: 03/15/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2470038	1	03/16/25 11:30	03/17/25 16:26	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2469776	1	03/21/25 13:20	03/21/25 13:20	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2474814	1	03/24/25 03:43	03/24/25 03:43	TMH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2472429	1	03/19/25 19:01	03/20/25 23:11	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2470260	1	03/17/25 05:08	03/17/25 05:08	DYW	Mt. Juliet, TN

MW-24 L1836751-02 GW

Collected by: Michael Clayton | Collected date/time: 03/12/25 15:05 | Received date/time: 03/15/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2470038	1	03/16/25 11:30	03/17/25 16:26	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2469776	1	03/21/25 14:12	03/21/25 14:12	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2469776	10	03/21/25 14:25	03/21/25 14:25	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2474814	1	03/24/25 04:04	03/24/25 04:04	TMH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2472429	1	03/19/25 19:01	03/20/25 23:14	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2470260	1	03/17/25 05:28	03/17/25 05:28	DYW	Mt. Juliet, TN

MW-25 L1836751-03 GW

Collected by: Michael Clayton | Collected date/time: 03/13/25 10:40 | Received date/time: 03/15/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2470038	1	03/16/25 11:30	03/17/25 16:26	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2469776	1	03/21/25 14:37	03/21/25 14:37	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2474935	1	03/23/25 19:57	03/23/25 19:57	TMH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2472429	1	03/19/25 19:01	03/20/25 23:26	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2470260	1	03/17/25 05:49	03/17/25 05:49	DYW	Mt. Juliet, TN

MW-26 L1836751-04 GW

Collected by: Michael Clayton | Collected date/time: 03/13/25 11:55 | Received date/time: 03/15/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2470038	1	03/16/25 11:30	03/17/25 16:26	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2469776	1	03/21/25 14:50	03/21/25 14:50	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2474935	1	03/23/25 20:17	03/23/25 20:17	TMH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2472429	1	03/19/25 19:01	03/20/25 22:09	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2470260	1	03/17/25 06:09	03/17/25 06:09	DYW	Mt. Juliet, TN

MW-27R L1836751-05 GW

Collected by: Michael Clayton | Collected date/time: 03/13/25 13:10 | Received date/time: 03/15/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2470038	1	03/16/25 11:30	03/17/25 16:26	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2469776	1	03/21/25 15:03	03/21/25 15:03	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2474935	1	03/23/25 20:35	03/23/25 20:35	TMH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2472429	1	03/19/25 19:01	03/20/25 23:29	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2470274	1	03/17/25 10:40	03/17/25 10:40	DYW	Mt. Juliet, TN

MW-28 L1836751-06 GW

Collected by: Michael Clayton | Collected date/time: 03/13/25 17:15 | Received date/time: 03/15/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2470038	1	03/16/25 11:30	03/17/25 16:26	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2469776	1	03/21/25 15:16	03/21/25 15:16	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2474935	1	03/23/25 20:55	03/23/25 20:55	TMH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2472429	1	03/19/25 19:01	03/20/25 23:32	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2470274	1	03/17/25 11:01	03/17/25 11:01	DYW	Mt. Juliet, TN

MW-29 L1836751-07 GW

Collected by: Michael Clayton | Collected date/time: 03/13/25 15:55 | Received date/time: 03/15/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2470038	1	03/16/25 11:30	03/17/25 16:26	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2469776	1	03/21/25 15:54	03/21/25 15:54	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2474935	1	03/23/25 21:14	03/23/25 21:14	TMH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2472429	1	03/19/25 19:01	03/20/25 23:35	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2470274	1	03/17/25 11:23	03/17/25 11:23	DYW	Mt. Juliet, TN

MW-27R DUP L1836751-08 GW

Collected by: Michael Clayton | Collected date/time: 03/13/25 13:15 | Received date/time: 03/15/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2470038	1	03/16/25 11:30	03/17/25 16:26	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2469776	1	03/21/25 16:07	03/21/25 16:07	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2474935	1	03/23/25 21:33	03/23/25 21:33	TMH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2472429	1	03/19/25 19:01	03/20/25 23:38	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2470274	1	03/17/25 12:10	03/17/25 12:10	DYW	Mt. Juliet, TN

EB-1 L1836751-09 GW

Collected by: Michael Clayton | Collected date/time: 03/13/25 17:40 | Received date/time: 03/15/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2470038	1	03/16/25 11:30	03/17/25 16:26	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2469776	1	03/21/25 16:20	03/21/25 16:20	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2474935	1	03/23/25 22:10	03/23/25 22:10	TMH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2472429	1	03/19/25 19:01	03/20/25 23:42	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2470274	1	03/17/25 09:36	03/17/25 09:36	DYW	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. 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.



Mark W. Beasley
Project Manager

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	339000		10000	1	03/17/2025 16:26	WG2470038

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	8720		547	1000	1	03/21/2025 13:20	WG2469776
Sulfate	26400		637	5000	1	03/21/2025 13:20	WG2469776

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1130		495	1000	1	03/24/2025 03:43	WG2474814

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	U		0.310	4.00	1	03/20/2025 23:11	WG2472429
Arsenic	0.811	J	0.120	2.00	1	03/20/2025 23:11	WG2472429
Barium	157		0.500	2.00	1	03/20/2025 23:11	WG2472429
Beryllium	U		0.200	2.00	1	03/20/2025 23:11	WG2472429
Cadmium	U		0.120	1.00	1	03/20/2025 23:11	WG2472429
Chromium	U		0.900	2.00	1	03/20/2025 23:11	WG2472429
Copper	U		0.700	5.00	1	03/20/2025 23:11	WG2472429
Cobalt	U		0.100	2.00	1	03/20/2025 23:11	WG2472429
Iron	2830		22.6	100	1	03/20/2025 23:11	WG2472429
Lead	U		0.500	2.00	1	03/20/2025 23:11	WG2472429
Manganese	337		0.700	5.00	1	03/20/2025 23:11	WG2472429
Nickel	U		0.500	2.00	1	03/20/2025 23:11	WG2472429
Selenium	U		0.250	2.00	1	03/20/2025 23:11	WG2472429
Silver	U		0.110	2.00	1	03/20/2025 23:11	WG2472429
Thallium	U		0.130	2.00	1	03/20/2025 23:11	WG2472429
Vanadium	U		0.520	5.00	1	03/20/2025 23:11	WG2472429
Zinc	U		4.00	25.0	1	03/20/2025 23:11	WG2472429

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	11.3	50.0	1	03/17/2025 05:08	WG2470260
Acrylonitrile	U		0.671	10.0	1	03/17/2025 05:08	WG2470260
Benzene	U		0.0941	1.00	1	03/17/2025 05:08	WG2470260
Bromochloromethane	U		0.128	1.00	1	03/17/2025 05:08	WG2470260
Bromodichloromethane	U		0.136	1.00	1	03/17/2025 05:08	WG2470260
Bromoform	U		0.129	1.00	1	03/17/2025 05:08	WG2470260
Bromomethane	U	C3	0.605	5.00	1	03/17/2025 05:08	WG2470260
Carbon disulfide	U		0.0962	1.00	1	03/17/2025 05:08	WG2470260
Carbon tetrachloride	U		0.128	1.00	1	03/17/2025 05:08	WG2470260
Chlorobenzene	U		0.116	1.00	1	03/17/2025 05:08	WG2470260
Chlorodibromomethane	U		0.140	1.00	1	03/17/2025 05:08	WG2470260
Chloroethane	U		0.192	5.00	1	03/17/2025 05:08	WG2470260
Chloroform	U		0.111	5.00	1	03/17/2025 05:08	WG2470260
Chloromethane	U		0.960	2.50	1	03/17/2025 05:08	WG2470260
Dibromomethane	U		0.122	1.00	1	03/17/2025 05:08	WG2470260
1,2-Dibromoethane	U		0.126	1.00	1	03/17/2025 05:08	WG2470260
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	03/17/2025 05:08	WG2470260

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichlorobenzene	U		0.107	1.00	1	03/17/2025 05:08	WG2470260
1,4-Dichlorobenzene	U		0.120	1.00	1	03/17/2025 05:08	WG2470260
trans-1,4-Dichloro-2-butene	U		0.467	2.50	1	03/17/2025 05:08	WG2470260
1,1-Dichloroethane	U		0.100	1.00	1	03/17/2025 05:08	WG2470260
1,2-Dichloroethane	U		0.0819	1.00	1	03/17/2025 05:08	WG2470260
1,1-Dichloroethene	U		0.188	1.00	1	03/17/2025 05:08	WG2470260
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/17/2025 05:08	WG2470260
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/17/2025 05:08	WG2470260
1,2-Dichloropropane	U		0.149	1.00	1	03/17/2025 05:08	WG2470260
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/17/2025 05:08	WG2470260
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/17/2025 05:08	WG2470260
Ethylbenzene	U		0.137	1.00	1	03/17/2025 05:08	WG2470260
2-Hexanone	U		0.787	10.0	1	03/17/2025 05:08	WG2470260
Iodomethane	U		6.00	10.0	1	03/17/2025 05:08	WG2470260
2-Butanone (MEK)	U		1.19	10.0	1	03/17/2025 05:08	WG2470260
Methylene Chloride	U		0.430	5.00	1	03/17/2025 05:08	WG2470260
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/17/2025 05:08	WG2470260
Styrene	U		0.118	1.00	1	03/17/2025 05:08	WG2470260
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	03/17/2025 05:08	WG2470260
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/17/2025 05:08	WG2470260
Tetrachloroethene	U		0.300	1.00	1	03/17/2025 05:08	WG2470260
Toluene	U		0.278	1.00	1	03/17/2025 05:08	WG2470260
1,1,1-Trichloroethane	U		0.149	1.00	1	03/17/2025 05:08	WG2470260
1,1,2-Trichloroethane	U		0.158	1.00	1	03/17/2025 05:08	WG2470260
Trichloroethene	U		0.190	1.00	1	03/17/2025 05:08	WG2470260
Trichlorofluoromethane	U		0.160	5.00	1	03/17/2025 05:08	WG2470260
1,2,3-Trichloropropane	U		0.237	2.50	1	03/17/2025 05:08	WG2470260
Vinyl acetate	U		0.692	10.0	1	03/17/2025 05:08	WG2470260
Vinyl chloride	U		0.234	1.00	1	03/17/2025 05:08	WG2470260
Xylenes, Total	U		0.174	3.00	1	03/17/2025 05:08	WG2470260
(S) Toluene-d8	*98.4*			*80.0-120*		*03/17/2025 05:08*	WG2470260
(S) 4-Bromofluorobenzene	*96.4*			*77.0-126*		*03/17/2025 05:08*	WG2470260
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*03/17/2025 05:08*	WG2470260

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	581000		10000	1	03/17/2025 16:26	WG2470038

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	47300		547	1000	1	03/21/2025 14:12	WG2469776
Sulfate	113000		6370	50000	10	03/21/2025 14:25	WG2469776

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1180		495	1000	1	03/24/2025 04:04	WG2474814

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	U		0.310	4.00	1	03/20/2025 23:14	WG2472429
Arsenic	0.348	J	0.120	2.00	1	03/20/2025 23:14	WG2472429
Barium	287		0.500	2.00	1	03/20/2025 23:14	WG2472429
Beryllium	U		0.200	2.00	1	03/20/2025 23:14	WG2472429
Cadmium	U		0.120	1.00	1	03/20/2025 23:14	WG2472429
Chromium	U		0.900	2.00	1	03/20/2025 23:14	WG2472429
Copper	1.95	J	0.700	5.00	1	03/20/2025 23:14	WG2472429
Cobalt	U		0.100	2.00	1	03/20/2025 23:14	WG2472429
Iron	6800		22.6	100	1	03/20/2025 23:14	WG2472429
Lead	U		0.500	2.00	1	03/20/2025 23:14	WG2472429
Manganese	756		0.700	5.00	1	03/20/2025 23:14	WG2472429
Nickel	U		0.500	2.00	1	03/20/2025 23:14	WG2472429
Selenium	U		0.250	2.00	1	03/20/2025 23:14	WG2472429
Silver	U		0.110	2.00	1	03/20/2025 23:14	WG2472429
Thallium	U		0.130	2.00	1	03/20/2025 23:14	WG2472429
Vanadium	U		0.520	5.00	1	03/20/2025 23:14	WG2472429
Zinc	U		4.00	25.0	1	03/20/2025 23:14	WG2472429

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	11.3	50.0	1	03/17/2025 05:28	WG2470260
Acrylonitrile	U		0.671	10.0	1	03/17/2025 05:28	WG2470260
Benzene	U		0.0941	1.00	1	03/17/2025 05:28	WG2470260
Bromochloromethane	U		0.128	1.00	1	03/17/2025 05:28	WG2470260
Bromodichloromethane	U		0.136	1.00	1	03/17/2025 05:28	WG2470260
Bromoform	U		0.129	1.00	1	03/17/2025 05:28	WG2470260
Bromomethane	U	C3	0.605	5.00	1	03/17/2025 05:28	WG2470260
Carbon disulfide	U		0.0962	1.00	1	03/17/2025 05:28	WG2470260
Carbon tetrachloride	U		0.128	1.00	1	03/17/2025 05:28	WG2470260
Chlorobenzene	U		0.116	1.00	1	03/17/2025 05:28	WG2470260
Chlorodibromomethane	U		0.140	1.00	1	03/17/2025 05:28	WG2470260
Chloroethane	U		0.192	5.00	1	03/17/2025 05:28	WG2470260
Chloroform	U		0.111	5.00	1	03/17/2025 05:28	WG2470260
Chloromethane	U		0.960	2.50	1	03/17/2025 05:28	WG2470260
Dibromomethane	U		0.122	1.00	1	03/17/2025 05:28	WG2470260
1,2-Dibromoethane	U		0.126	1.00	1	03/17/2025 05:28	WG2470260
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	03/17/2025 05:28	WG2470260

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichlorobenzene	U		0.107	1.00	1	03/17/2025 05:28	WG2470260
1,4-Dichlorobenzene	U		0.120	1.00	1	03/17/2025 05:28	WG2470260
trans-1,4-Dichloro-2-butene	U		0.467	2.50	1	03/17/2025 05:28	WG2470260
1,1-Dichloroethane	U		0.100	1.00	1	03/17/2025 05:28	WG2470260
1,2-Dichloroethane	U		0.0819	1.00	1	03/17/2025 05:28	WG2470260
1,1-Dichloroethene	U		0.188	1.00	1	03/17/2025 05:28	WG2470260
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/17/2025 05:28	WG2470260
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/17/2025 05:28	WG2470260
1,2-Dichloropropane	U		0.149	1.00	1	03/17/2025 05:28	WG2470260
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/17/2025 05:28	WG2470260
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/17/2025 05:28	WG2470260
Ethylbenzene	U		0.137	1.00	1	03/17/2025 05:28	WG2470260
2-Hexanone	U		0.787	10.0	1	03/17/2025 05:28	WG2470260
Iodomethane	U		6.00	10.0	1	03/17/2025 05:28	WG2470260
2-Butanone (MEK)	U		1.19	10.0	1	03/17/2025 05:28	WG2470260
Methylene Chloride	U		0.430	5.00	1	03/17/2025 05:28	WG2470260
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/17/2025 05:28	WG2470260
Styrene	U		0.118	1.00	1	03/17/2025 05:28	WG2470260
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	03/17/2025 05:28	WG2470260
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/17/2025 05:28	WG2470260
Tetrachloroethene	U		0.300	1.00	1	03/17/2025 05:28	WG2470260
Toluene	U		0.278	1.00	1	03/17/2025 05:28	WG2470260
1,1,1-Trichloroethane	U		0.149	1.00	1	03/17/2025 05:28	WG2470260
1,1,2-Trichloroethane	U		0.158	1.00	1	03/17/2025 05:28	WG2470260
Trichloroethene	U		0.190	1.00	1	03/17/2025 05:28	WG2470260
Trichlorofluoromethane	U		0.160	5.00	1	03/17/2025 05:28	WG2470260
1,2,3-Trichloropropane	U		0.237	2.50	1	03/17/2025 05:28	WG2470260
Vinyl acetate	U		0.692	10.0	1	03/17/2025 05:28	WG2470260
Vinyl chloride	U		0.234	1.00	1	03/17/2025 05:28	WG2470260
Xylenes, Total	U		0.174	3.00	1	03/17/2025 05:28	WG2470260
(S) Toluene-d8	*99.8*			*80.0-120*		*03/17/2025 05:28*	WG2470260
(S) 4-Bromofluorobenzene	*95.1*			*77.0-126*		*03/17/2025 05:28*	WG2470260
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*03/17/2025 05:28*	WG2470260

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	496000		10000	1	03/17/2025 16:26	WG2470038

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	50500		547	1000	1	03/21/2025 14:37	WG2469776
Sulfate	76000		637	5000	1	03/21/2025 14:37	WG2469776

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	825	J	495	1000	1	03/23/2025 19:57	WG2474935

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	0.549	J	0.310	4.00	1	03/20/2025 23:26	WG2472429
Arsenic	0.675	J	0.120	2.00	1	03/20/2025 23:26	WG2472429
Barium	242		0.500	2.00	1	03/20/2025 23:26	WG2472429
Beryllium	U		0.200	2.00	1	03/20/2025 23:26	WG2472429
Cadmium	U		0.120	1.00	1	03/20/2025 23:26	WG2472429
Chromium	2.47		0.900	2.00	1	03/20/2025 23:26	WG2472429
Copper	0.943	J	0.700	5.00	1	03/20/2025 23:26	WG2472429
Cobalt	U		0.100	2.00	1	03/20/2025 23:26	WG2472429
Iron	4800		22.6	100	1	03/20/2025 23:26	WG2472429
Lead	U		0.500	2.00	1	03/20/2025 23:26	WG2472429
Manganese	635		0.700	5.00	1	03/20/2025 23:26	WG2472429
Nickel	U		0.500	2.00	1	03/20/2025 23:26	WG2472429
Selenium	U		0.250	2.00	1	03/20/2025 23:26	WG2472429
Silver	U		0.110	2.00	1	03/20/2025 23:26	WG2472429
Thallium	U		0.130	2.00	1	03/20/2025 23:26	WG2472429
Vanadium	U		0.520	5.00	1	03/20/2025 23:26	WG2472429
Zinc	U		4.00	25.0	1	03/20/2025 23:26	WG2472429

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	11.3	50.0	1	03/17/2025 05:49	WG2470260
Acrylonitrile	U		0.671	10.0	1	03/17/2025 05:49	WG2470260
Benzene	U		0.0941	1.00	1	03/17/2025 05:49	WG2470260
Bromochloromethane	U		0.128	1.00	1	03/17/2025 05:49	WG2470260
Bromodichloromethane	U		0.136	1.00	1	03/17/2025 05:49	WG2470260
Bromoform	U		0.129	1.00	1	03/17/2025 05:49	WG2470260
Bromomethane	U	C3	0.605	5.00	1	03/17/2025 05:49	WG2470260
Carbon disulfide	U		0.0962	1.00	1	03/17/2025 05:49	WG2470260
Carbon tetrachloride	U		0.128	1.00	1	03/17/2025 05:49	WG2470260
Chlorobenzene	U		0.116	1.00	1	03/17/2025 05:49	WG2470260
Chlorodibromomethane	U		0.140	1.00	1	03/17/2025 05:49	WG2470260
Chloroethane	U		0.192	5.00	1	03/17/2025 05:49	WG2470260
Chloroform	U		0.111	5.00	1	03/17/2025 05:49	WG2470260
Chloromethane	U		0.960	2.50	1	03/17/2025 05:49	WG2470260
Dibromomethane	U		0.122	1.00	1	03/17/2025 05:49	WG2470260
1,2-Dibromoethane	U		0.126	1.00	1	03/17/2025 05:49	WG2470260
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	03/17/2025 05:49	WG2470260

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichlorobenzene	U		0.107	1.00	1	03/17/2025 05:49	WG2470260
1,4-Dichlorobenzene	U		0.120	1.00	1	03/17/2025 05:49	WG2470260
trans-1,4-Dichloro-2-butene	U		0.467	2.50	1	03/17/2025 05:49	WG2470260
1,1-Dichloroethane	U		0.100	1.00	1	03/17/2025 05:49	WG2470260
1,2-Dichloroethane	U		0.0819	1.00	1	03/17/2025 05:49	WG2470260
1,1-Dichloroethene	U		0.188	1.00	1	03/17/2025 05:49	WG2470260
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/17/2025 05:49	WG2470260
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/17/2025 05:49	WG2470260
1,2-Dichloropropane	U		0.149	1.00	1	03/17/2025 05:49	WG2470260
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/17/2025 05:49	WG2470260
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/17/2025 05:49	WG2470260
Ethylbenzene	U		0.137	1.00	1	03/17/2025 05:49	WG2470260
2-Hexanone	U		0.787	10.0	1	03/17/2025 05:49	WG2470260
Iodomethane	U		6.00	10.0	1	03/17/2025 05:49	WG2470260
2-Butanone (MEK)	U		1.19	10.0	1	03/17/2025 05:49	WG2470260
Methylene Chloride	U		0.430	5.00	1	03/17/2025 05:49	WG2470260
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/17/2025 05:49	WG2470260
Styrene	U		0.118	1.00	1	03/17/2025 05:49	WG2470260
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	03/17/2025 05:49	WG2470260
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/17/2025 05:49	WG2470260
Tetrachloroethene	U		0.300	1.00	1	03/17/2025 05:49	WG2470260
Toluene	U		0.278	1.00	1	03/17/2025 05:49	WG2470260
1,1,1-Trichloroethane	U		0.149	1.00	1	03/17/2025 05:49	WG2470260
1,1,2-Trichloroethane	U		0.158	1.00	1	03/17/2025 05:49	WG2470260
Trichloroethene	U		0.190	1.00	1	03/17/2025 05:49	WG2470260
Trichlorofluoromethane	U		0.160	5.00	1	03/17/2025 05:49	WG2470260
1,2,3-Trichloropropane	U		0.237	2.50	1	03/17/2025 05:49	WG2470260
Vinyl acetate	U		0.692	10.0	1	03/17/2025 05:49	WG2470260
Vinyl chloride	U		0.234	1.00	1	03/17/2025 05:49	WG2470260
Xylenes, Total	U		0.174	3.00	1	03/17/2025 05:49	WG2470260
(S) Toluene-d8	*100*			*80.0-120*		*03/17/2025 05:49*	WG2470260
(S) 4-Bromofluorobenzene	*96.8*			*77.0-126*		*03/17/2025 05:49*	WG2470260
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*03/17/2025 05:49*	WG2470260

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	344000		10000	1	03/17/2025 16:26	WG2470038

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	7340		547	1000	1	03/21/2025 14:50	WG2469776
Sulfate	18400		637	5000	1	03/21/2025 14:50	WG2469776

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	748	J	495	1000	1	03/23/2025 20:17	WG2474935

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	U		0.310	4.00	1	03/20/2025 22:09	WG2472429
Arsenic	0.850	J	0.120	2.00	1	03/20/2025 22:09	WG2472429
Barium	152		0.500	2.00	1	03/20/2025 22:09	WG2472429
Beryllium	U		0.200	2.00	1	03/20/2025 22:09	WG2472429
Cadmium	U		0.120	1.00	1	03/20/2025 22:09	WG2472429
Chromium	U		0.900	2.00	1	03/20/2025 22:09	WG2472429
Copper	U		0.700	5.00	1	03/20/2025 22:09	WG2472429
Cobalt	U		0.100	2.00	1	03/20/2025 22:09	WG2472429
Iron	2420		22.6	100	1	03/20/2025 22:09	WG2472429
Lead	U		0.500	2.00	1	03/20/2025 22:09	WG2472429
Manganese	609		0.700	5.00	1	03/20/2025 22:09	WG2472429
Nickel	U		0.500	2.00	1	03/20/2025 22:09	WG2472429
Selenium	U		0.250	2.00	1	03/20/2025 22:09	WG2472429
Silver	U		0.110	2.00	1	03/20/2025 22:09	WG2472429
Thallium	U		0.130	2.00	1	03/20/2025 22:09	WG2472429
Vanadium	U		0.520	5.00	1	03/20/2025 22:09	WG2472429
Zinc	U		4.00	25.0	1	03/20/2025 22:09	WG2472429

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	11.3	50.0	1	03/17/2025 06:09	WG2470260
Acrylonitrile	U		0.671	10.0	1	03/17/2025 06:09	WG2470260
Benzene	U		0.0941	1.00	1	03/17/2025 06:09	WG2470260
Bromochloromethane	U		0.128	1.00	1	03/17/2025 06:09	WG2470260
Bromodichloromethane	U		0.136	1.00	1	03/17/2025 06:09	WG2470260
Bromoform	U		0.129	1.00	1	03/17/2025 06:09	WG2470260
Bromomethane	U	C3	0.605	5.00	1	03/17/2025 06:09	WG2470260
Carbon disulfide	U		0.0962	1.00	1	03/17/2025 06:09	WG2470260
Carbon tetrachloride	U		0.128	1.00	1	03/17/2025 06:09	WG2470260
Chlorobenzene	U		0.116	1.00	1	03/17/2025 06:09	WG2470260
Chlorodibromomethane	U		0.140	1.00	1	03/17/2025 06:09	WG2470260
Chloroethane	U		0.192	5.00	1	03/17/2025 06:09	WG2470260
Chloroform	U		0.111	5.00	1	03/17/2025 06:09	WG2470260
Chloromethane	U		0.960	2.50	1	03/17/2025 06:09	WG2470260
Dibromomethane	U		0.122	1.00	1	03/17/2025 06:09	WG2470260
1,2-Dibromoethane	U		0.126	1.00	1	03/17/2025 06:09	WG2470260
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	03/17/2025 06:09	WG2470260

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichlorobenzene	U		0.107	1.00	1	03/17/2025 06:09	WG2470260
1,4-Dichlorobenzene	U		0.120	1.00	1	03/17/2025 06:09	WG2470260
trans-1,4-Dichloro-2-butene	U		0.467	2.50	1	03/17/2025 06:09	WG2470260
1,1-Dichloroethane	U		0.100	1.00	1	03/17/2025 06:09	WG2470260
1,2-Dichloroethane	U		0.0819	1.00	1	03/17/2025 06:09	WG2470260
1,1-Dichloroethene	U		0.188	1.00	1	03/17/2025 06:09	WG2470260
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/17/2025 06:09	WG2470260
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/17/2025 06:09	WG2470260
1,2-Dichloropropane	U		0.149	1.00	1	03/17/2025 06:09	WG2470260
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/17/2025 06:09	WG2470260
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/17/2025 06:09	WG2470260
Ethylbenzene	U		0.137	1.00	1	03/17/2025 06:09	WG2470260
2-Hexanone	U		0.787	10.0	1	03/17/2025 06:09	WG2470260
Iodomethane	U		6.00	10.0	1	03/17/2025 06:09	WG2470260
2-Butanone (MEK)	U		1.19	10.0	1	03/17/2025 06:09	WG2470260
Methylene Chloride	U		0.430	5.00	1	03/17/2025 06:09	WG2470260
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/17/2025 06:09	WG2470260
Styrene	U		0.118	1.00	1	03/17/2025 06:09	WG2470260
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	03/17/2025 06:09	WG2470260
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/17/2025 06:09	WG2470260
Tetrachloroethene	U		0.300	1.00	1	03/17/2025 06:09	WG2470260
Toluene	U		0.278	1.00	1	03/17/2025 06:09	WG2470260
1,1,1-Trichloroethane	U		0.149	1.00	1	03/17/2025 06:09	WG2470260
1,1,2-Trichloroethane	U		0.158	1.00	1	03/17/2025 06:09	WG2470260
Trichloroethene	U		0.190	1.00	1	03/17/2025 06:09	WG2470260
Trichlorofluoromethane	U		0.160	5.00	1	03/17/2025 06:09	WG2470260
1,2,3-Trichloropropane	U		0.237	2.50	1	03/17/2025 06:09	WG2470260
Vinyl acetate	U		0.692	10.0	1	03/17/2025 06:09	WG2470260
Vinyl chloride	U		0.234	1.00	1	03/17/2025 06:09	WG2470260
Xylenes, Total	U		0.174	3.00	1	03/17/2025 06:09	WG2470260
(S) Toluene-d8	*101*			*80.0-120*		*03/17/2025 06:09*	WG2470260
(S) 4-Bromofluorobenzene	*97.2*			*77.0-126*		*03/17/2025 06:09*	WG2470260
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*03/17/2025 06:09*	WG2470260

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	398000		10000	1	03/17/2025 16:26	WG2470038

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	9920		547	1000	1	03/21/2025 15:03	WG2469776
Sulfate	19100		637	5000	1	03/21/2025 15:03	WG2469776

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	741	J	495	1000	1	03/23/2025 20:35	WG2474935

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	U		0.310	4.00	1	03/20/2025 23:29	WG2472429
Arsenic	0.658	J	0.120	2.00	1	03/20/2025 23:29	WG2472429
Barium	186		0.500	2.00	1	03/20/2025 23:29	WG2472429
Beryllium	U		0.200	2.00	1	03/20/2025 23:29	WG2472429
Cadmium	U		0.120	1.00	1	03/20/2025 23:29	WG2472429
Chromium	U		0.900	2.00	1	03/20/2025 23:29	WG2472429
Copper	0.702	J	0.700	5.00	1	03/20/2025 23:29	WG2472429
Cobalt	U		0.100	2.00	1	03/20/2025 23:29	WG2472429
Iron	4250		22.6	100	1	03/20/2025 23:29	WG2472429
Lead	U		0.500	2.00	1	03/20/2025 23:29	WG2472429
Manganese	524		0.700	5.00	1	03/20/2025 23:29	WG2472429
Nickel	U		0.500	2.00	1	03/20/2025 23:29	WG2472429
Selenium	U		0.250	2.00	1	03/20/2025 23:29	WG2472429
Silver	U		0.110	2.00	1	03/20/2025 23:29	WG2472429
Thallium	U		0.130	2.00	1	03/20/2025 23:29	WG2472429
Vanadium	U		0.520	5.00	1	03/20/2025 23:29	WG2472429
Zinc	U		4.00	25.0	1	03/20/2025 23:29	WG2472429

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	11.3	50.0	1	03/17/2025 10:40	WG2470274
Acrylonitrile	U		0.671	10.0	1	03/17/2025 10:40	WG2470274
Benzene	U		0.0941	1.00	1	03/17/2025 10:40	WG2470274
Bromochloromethane	U		0.128	1.00	1	03/17/2025 10:40	WG2470274
Bromodichloromethane	U		0.136	1.00	1	03/17/2025 10:40	WG2470274
Bromoform	U		0.129	1.00	1	03/17/2025 10:40	WG2470274
Bromomethane	U	C3	0.605	5.00	1	03/17/2025 10:40	WG2470274
Carbon disulfide	U	C3 J3	0.0962	1.00	1	03/17/2025 10:40	WG2470274
Carbon tetrachloride	U		0.128	1.00	1	03/17/2025 10:40	WG2470274
Chlorobenzene	U		0.116	1.00	1	03/17/2025 10:40	WG2470274
Chlorodibromomethane	U		0.140	1.00	1	03/17/2025 10:40	WG2470274
Chloroethane	U		0.192	5.00	1	03/17/2025 10:40	WG2470274
Chloroform	U		0.111	5.00	1	03/17/2025 10:40	WG2470274
Chloromethane	U		0.960	2.50	1	03/17/2025 10:40	WG2470274
Dibromomethane	U		0.122	1.00	1	03/17/2025 10:40	WG2470274
1,2-Dibromoethane	U		0.126	1.00	1	03/17/2025 10:40	WG2470274
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	03/17/2025 10:40	WG2470274

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichlorobenzene	U		0.107	1.00	1	03/17/2025 10:40	WG2470274
1,4-Dichlorobenzene	U		0.120	1.00	1	03/17/2025 10:40	WG2470274
trans-1,4-Dichloro-2-butene	U		0.467	2.50	1	03/17/2025 10:40	WG2470274
1,1-Dichloroethane	0.277	J	0.100	1.00	1	03/17/2025 10:40	WG2470274
1,2-Dichloroethane	U		0.0819	1.00	1	03/17/2025 10:40	WG2470274
1,1-Dichloroethene	U		0.188	1.00	1	03/17/2025 10:40	WG2470274
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/17/2025 10:40	WG2470274
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/17/2025 10:40	WG2470274
1,2-Dichloropropane	U		0.149	1.00	1	03/17/2025 10:40	WG2470274
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/17/2025 10:40	WG2470274
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/17/2025 10:40	WG2470274
Ethylbenzene	U		0.137	1.00	1	03/17/2025 10:40	WG2470274
2-Hexanone	U		0.787	10.0	1	03/17/2025 10:40	WG2470274
Iodomethane	U	C3	6.00	10.0	1	03/17/2025 10:40	WG2470274
2-Butanone (MEK)	U		1.19	10.0	1	03/17/2025 10:40	WG2470274
Methylene Chloride	U		0.430	5.00	1	03/17/2025 10:40	WG2470274
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/17/2025 10:40	WG2470274
Styrene	U		0.118	1.00	1	03/17/2025 10:40	WG2470274
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	03/17/2025 10:40	WG2470274
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/17/2025 10:40	WG2470274
Tetrachloroethene	U		0.300	1.00	1	03/17/2025 10:40	WG2470274
Toluene	U		0.278	1.00	1	03/17/2025 10:40	WG2470274
1,1,1-Trichloroethane	U		0.149	1.00	1	03/17/2025 10:40	WG2470274
1,1,2-Trichloroethane	U		0.158	1.00	1	03/17/2025 10:40	WG2470274
Trichloroethene	U		0.190	1.00	1	03/17/2025 10:40	WG2470274
Trichlorofluoromethane	U		0.160	5.00	1	03/17/2025 10:40	WG2470274
1,2,3-Trichloropropane	U		0.237	2.50	1	03/17/2025 10:40	WG2470274
Vinyl acetate	U	C3 J3	0.692	10.0	1	03/17/2025 10:40	WG2470274
Vinyl chloride	U	C3 J3 J4	0.234	1.00	1	03/17/2025 10:40	WG2470274
Xylenes, Total	U		0.174	3.00	1	03/17/2025 10:40	WG2470274
(S) Toluene-d8	*98.9*			*80.0-120*		*03/17/2025 10:40*	WG2470274
(S) 4-Bromofluorobenzene	*91.9*			*77.0-126*		*03/17/2025 10:40*	WG2470274
(S) 1,2-Dichloroethane-d4	*120*			*70.0-130*		*03/17/2025 10:40*	WG2470274

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	350000		10000	1	03/17/2025 16:26	WG2470038

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	7090		547	1000	1	03/21/2025 15:16	WG2469776
Sulfate	15400		637	5000	1	03/21/2025 15:16	WG2469776

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	912	J	495	1000	1	03/23/2025 20:55	WG2474935

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	U		0.310	4.00	1	03/20/2025 23:32	WG2472429
Arsenic	0.912	J	0.120	2.00	1	03/20/2025 23:32	WG2472429
Barium	175		0.500	2.00	1	03/20/2025 23:32	WG2472429
Beryllium	U		0.200	2.00	1	03/20/2025 23:32	WG2472429
Cadmium	U		0.120	1.00	1	03/20/2025 23:32	WG2472429
Chromium	2.42		0.900	2.00	1	03/20/2025 23:32	WG2472429
Copper	U		0.700	5.00	1	03/20/2025 23:32	WG2472429
Cobalt	0.334	J	0.100	2.00	1	03/20/2025 23:32	WG2472429
Iron	4460		22.6	100	1	03/20/2025 23:32	WG2472429
Lead	U		0.500	2.00	1	03/20/2025 23:32	WG2472429
Manganese	1020		0.700	5.00	1	03/20/2025 23:32	WG2472429
Nickel	1.91	J	0.500	2.00	1	03/20/2025 23:32	WG2472429
Selenium	U		0.250	2.00	1	03/20/2025 23:32	WG2472429
Silver	U		0.110	2.00	1	03/20/2025 23:32	WG2472429
Thallium	U		0.130	2.00	1	03/20/2025 23:32	WG2472429
Vanadium	0.851	J	0.520	5.00	1	03/20/2025 23:32	WG2472429
Zinc	9.66	J	4.00	25.0	1	03/20/2025 23:32	WG2472429

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	11.3	50.0	1	03/17/2025 11:01	WG2470274
Acrylonitrile	U		0.671	10.0	1	03/17/2025 11:01	WG2470274
Benzene	U		0.0941	1.00	1	03/17/2025 11:01	WG2470274
Bromochloromethane	U		0.128	1.00	1	03/17/2025 11:01	WG2470274
Bromodichloromethane	U		0.136	1.00	1	03/17/2025 11:01	WG2470274
Bromoform	U		0.129	1.00	1	03/17/2025 11:01	WG2470274
Bromomethane	U	C3	0.605	5.00	1	03/17/2025 11:01	WG2470274
Carbon disulfide	U	C3 J3	0.0962	1.00	1	03/17/2025 11:01	WG2470274
Carbon tetrachloride	U		0.128	1.00	1	03/17/2025 11:01	WG2470274
Chlorobenzene	U		0.116	1.00	1	03/17/2025 11:01	WG2470274
Chlorodibromomethane	U		0.140	1.00	1	03/17/2025 11:01	WG2470274
Chloroethane	U		0.192	5.00	1	03/17/2025 11:01	WG2470274
Chloroform	U		0.111	5.00	1	03/17/2025 11:01	WG2470274
Chloromethane	U		0.960	2.50	1	03/17/2025 11:01	WG2470274
Dibromomethane	U		0.122	1.00	1	03/17/2025 11:01	WG2470274
1,2-Dibromoethane	U		0.126	1.00	1	03/17/2025 11:01	WG2470274
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	03/17/2025 11:01	WG2470274

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichlorobenzene	U		0.107	1.00	1	03/17/2025 11:01	WG2470274
1,4-Dichlorobenzene	U		0.120	1.00	1	03/17/2025 11:01	WG2470274
trans-1,4-Dichloro-2-butene	U		0.467	2.50	1	03/17/2025 11:01	WG2470274
1,1-Dichloroethane	0.133	J	0.100	1.00	1	03/17/2025 11:01	WG2470274
1,2-Dichloroethane	U		0.0819	1.00	1	03/17/2025 11:01	WG2470274
1,1-Dichloroethene	U		0.188	1.00	1	03/17/2025 11:01	WG2470274
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/17/2025 11:01	WG2470274
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/17/2025 11:01	WG2470274
1,2-Dichloropropane	U		0.149	1.00	1	03/17/2025 11:01	WG2470274
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/17/2025 11:01	WG2470274
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/17/2025 11:01	WG2470274
Ethylbenzene	U		0.137	1.00	1	03/17/2025 11:01	WG2470274
2-Hexanone	U		0.787	10.0	1	03/17/2025 11:01	WG2470274
Iodomethane	U	C3	6.00	10.0	1	03/17/2025 11:01	WG2470274
2-Butanone (MEK)	2.53	J	1.19	10.0	1	03/17/2025 11:01	WG2470274
Methylene Chloride	U		0.430	5.00	1	03/17/2025 11:01	WG2470274
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/17/2025 11:01	WG2470274
Styrene	U		0.118	1.00	1	03/17/2025 11:01	WG2470274
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	03/17/2025 11:01	WG2470274
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/17/2025 11:01	WG2470274
Tetrachloroethene	U		0.300	1.00	1	03/17/2025 11:01	WG2470274
Toluene	U		0.278	1.00	1	03/17/2025 11:01	WG2470274
1,1,1-Trichloroethane	U		0.149	1.00	1	03/17/2025 11:01	WG2470274
1,1,2-Trichloroethane	U		0.158	1.00	1	03/17/2025 11:01	WG2470274
Trichloroethene	U		0.190	1.00	1	03/17/2025 11:01	WG2470274
Trichlorofluoromethane	U		0.160	5.00	1	03/17/2025 11:01	WG2470274
1,2,3-Trichloropropane	U		0.237	2.50	1	03/17/2025 11:01	WG2470274
Vinyl acetate	U	C3 J3	0.692	10.0	1	03/17/2025 11:01	WG2470274
Vinyl chloride	U	C3 J3 J4	0.234	1.00	1	03/17/2025 11:01	WG2470274
Xylenes, Total	U		0.174	3.00	1	03/17/2025 11:01	WG2470274
(S) Toluene-d8	*102*			*80.0-120*		*03/17/2025 11:01*	WG2470274
(S) 4-Bromofluorobenzene	*92.1*			*77.0-126*		*03/17/2025 11:01*	WG2470274
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*		*03/17/2025 11:01*	WG2470274

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	409000		10000	1	03/17/2025 16:26	WG2470038

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	12400		547	1000	1	03/21/2025 15:54	WG2469776
Sulfate	41400		637	5000	1	03/21/2025 15:54	WG2469776

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	907	J	495	1000	1	03/23/2025 21:14	WG2474935

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	U		0.310	4.00	1	03/20/2025 23:35	WG2472429
Arsenic	0.671	J	0.120	2.00	1	03/20/2025 23:35	WG2472429
Barium	245		0.500	2.00	1	03/20/2025 23:35	WG2472429
Beryllium	U		0.200	2.00	1	03/20/2025 23:35	WG2472429
Cadmium	U		0.120	1.00	1	03/20/2025 23:35	WG2472429
Chromium	4.39		0.900	2.00	1	03/20/2025 23:35	WG2472429
Copper	3.23	J	0.700	5.00	1	03/20/2025 23:35	WG2472429
Cobalt	0.315	J	0.100	2.00	1	03/20/2025 23:35	WG2472429
Iron	4970		22.6	100	1	03/20/2025 23:35	WG2472429
Lead	0.713	J	0.500	2.00	1	03/20/2025 23:35	WG2472429
Manganese	523		0.700	5.00	1	03/20/2025 23:35	WG2472429
Nickel	2.94		0.500	2.00	1	03/20/2025 23:35	WG2472429
Selenium	U		0.250	2.00	1	03/20/2025 23:35	WG2472429
Silver	U		0.110	2.00	1	03/20/2025 23:35	WG2472429
Thallium	U		0.130	2.00	1	03/20/2025 23:35	WG2472429
Vanadium	1.02	J	0.520	5.00	1	03/20/2025 23:35	WG2472429
Zinc	8.70	J	4.00	25.0	1	03/20/2025 23:35	WG2472429

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	11.3	50.0	1	03/17/2025 11:23	WG2470274
Acrylonitrile	U		0.671	10.0	1	03/17/2025 11:23	WG2470274
Benzene	U		0.0941	1.00	1	03/17/2025 11:23	WG2470274
Bromochloromethane	U		0.128	1.00	1	03/17/2025 11:23	WG2470274
Bromodichloromethane	U		0.136	1.00	1	03/17/2025 11:23	WG2470274
Bromoform	U		0.129	1.00	1	03/17/2025 11:23	WG2470274
Bromomethane	U	C3	0.605	5.00	1	03/17/2025 11:23	WG2470274
Carbon disulfide	U	C3 J3	0.0962	1.00	1	03/17/2025 11:23	WG2470274
Carbon tetrachloride	U		0.128	1.00	1	03/17/2025 11:23	WG2470274
Chlorobenzene	U		0.116	1.00	1	03/17/2025 11:23	WG2470274
Chlorodibromomethane	U		0.140	1.00	1	03/17/2025 11:23	WG2470274
Chloroethane	U		0.192	5.00	1	03/17/2025 11:23	WG2470274
Chloroform	U		0.111	5.00	1	03/17/2025 11:23	WG2470274
Chloromethane	U		0.960	2.50	1	03/17/2025 11:23	WG2470274
Dibromomethane	U		0.122	1.00	1	03/17/2025 11:23	WG2470274
1,2-Dibromoethane	U		0.126	1.00	1	03/17/2025 11:23	WG2470274
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	03/17/2025 11:23	WG2470274

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichlorobenzene	U		0.107	1.00	1	03/17/2025 11:23	WG2470274
1,4-Dichlorobenzene	U		0.120	1.00	1	03/17/2025 11:23	WG2470274
trans-1,4-Dichloro-2-butene	U		0.467	2.50	1	03/17/2025 11:23	WG2470274
1,1-Dichloroethane	U		0.100	1.00	1	03/17/2025 11:23	WG2470274
1,2-Dichloroethane	U		0.0819	1.00	1	03/17/2025 11:23	WG2470274
1,1-Dichloroethene	U		0.188	1.00	1	03/17/2025 11:23	WG2470274
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/17/2025 11:23	WG2470274
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/17/2025 11:23	WG2470274
1,2-Dichloropropane	U		0.149	1.00	1	03/17/2025 11:23	WG2470274
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/17/2025 11:23	WG2470274
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/17/2025 11:23	WG2470274
Ethylbenzene	U		0.137	1.00	1	03/17/2025 11:23	WG2470274
2-Hexanone	U		0.787	10.0	1	03/17/2025 11:23	WG2470274
Iodomethane	U	C3	6.00	10.0	1	03/17/2025 11:23	WG2470274
2-Butanone (MEK)	U		1.19	10.0	1	03/17/2025 11:23	WG2470274
Methylene Chloride	U		0.430	5.00	1	03/17/2025 11:23	WG2470274
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/17/2025 11:23	WG2470274
Styrene	U		0.118	1.00	1	03/17/2025 11:23	WG2470274
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	03/17/2025 11:23	WG2470274
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/17/2025 11:23	WG2470274
Tetrachloroethene	U		0.300	1.00	1	03/17/2025 11:23	WG2470274
Toluene	U		0.278	1.00	1	03/17/2025 11:23	WG2470274
1,1,1-Trichloroethane	U		0.149	1.00	1	03/17/2025 11:23	WG2470274
1,1,2-Trichloroethane	U		0.158	1.00	1	03/17/2025 11:23	WG2470274
Trichloroethene	U		0.190	1.00	1	03/17/2025 11:23	WG2470274
Trichlorofluoromethane	U		0.160	5.00	1	03/17/2025 11:23	WG2470274
1,2,3-Trichloropropane	U		0.237	2.50	1	03/17/2025 11:23	WG2470274
Vinyl acetate	U	C3 J3	0.692	10.0	1	03/17/2025 11:23	WG2470274
Vinyl chloride	U	C3 J3 J4	0.234	1.00	1	03/17/2025 11:23	WG2470274
Xylenes, Total	U		0.174	3.00	1	03/17/2025 11:23	WG2470274
(S) Toluene-d8	*99.4*			*80.0-120*		*03/17/2025 11:23*	WG2470274
(S) 4-Bromofluorobenzene	*90.9*			*77.0-126*		*03/17/2025 11:23*	WG2470274
(S) 1,2-Dichloroethane-d4	*126*			*70.0-130*		*03/17/2025 11:23*	WG2470274

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	395000		10000	1	03/17/2025 16:26	WG2470038

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	9860		547	1000	1	03/21/2025 16:07	WG2469776
Sulfate	19000		637	5000	1	03/21/2025 16:07	WG2469776

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	783	J	495	1000	1	03/23/2025 21:33	WG2474935

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	U		0.310	4.00	1	03/20/2025 23:38	WG2472429
Arsenic	0.594	J	0.120	2.00	1	03/20/2025 23:38	WG2472429
Barium	189		0.500	2.00	1	03/20/2025 23:38	WG2472429
Beryllium	U		0.200	2.00	1	03/20/2025 23:38	WG2472429
Cadmium	U		0.120	1.00	1	03/20/2025 23:38	WG2472429
Chromium	U		0.900	2.00	1	03/20/2025 23:38	WG2472429
Copper	U		0.700	5.00	1	03/20/2025 23:38	WG2472429
Cobalt	U		0.100	2.00	1	03/20/2025 23:38	WG2472429
Iron	4230		22.6	100	1	03/20/2025 23:38	WG2472429
Lead	U		0.500	2.00	1	03/20/2025 23:38	WG2472429
Manganese	528		0.700	5.00	1	03/20/2025 23:38	WG2472429
Nickel	U		0.500	2.00	1	03/20/2025 23:38	WG2472429
Selenium	U		0.250	2.00	1	03/20/2025 23:38	WG2472429
Silver	U		0.110	2.00	1	03/20/2025 23:38	WG2472429
Thallium	U		0.130	2.00	1	03/20/2025 23:38	WG2472429
Vanadium	U		0.520	5.00	1	03/20/2025 23:38	WG2472429
Zinc	U		4.00	25.0	1	03/20/2025 23:38	WG2472429

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	11.3	50.0	1	03/17/2025 12:10	WG2470274
Acrylonitrile	U		0.671	10.0	1	03/17/2025 12:10	WG2470274
Benzene	U		0.0941	1.00	1	03/17/2025 12:10	WG2470274
Bromochloromethane	U		0.128	1.00	1	03/17/2025 12:10	WG2470274
Bromodichloromethane	U		0.136	1.00	1	03/17/2025 12:10	WG2470274
Bromoform	U		0.129	1.00	1	03/17/2025 12:10	WG2470274
Bromomethane	U	C3	0.605	5.00	1	03/17/2025 12:10	WG2470274
Carbon disulfide	U	C3 J3	0.0962	1.00	1	03/17/2025 12:10	WG2470274
Carbon tetrachloride	U		0.128	1.00	1	03/17/2025 12:10	WG2470274
Chlorobenzene	U		0.116	1.00	1	03/17/2025 12:10	WG2470274
Chlorodibromomethane	U		0.140	1.00	1	03/17/2025 12:10	WG2470274
Chloroethane	U		0.192	5.00	1	03/17/2025 12:10	WG2470274
Chloroform	U		0.111	5.00	1	03/17/2025 12:10	WG2470274
Chloromethane	U		0.960	2.50	1	03/17/2025 12:10	WG2470274
Dibromomethane	U		0.122	1.00	1	03/17/2025 12:10	WG2470274
1,2-Dibromoethane	U		0.126	1.00	1	03/17/2025 12:10	WG2470274
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	03/17/2025 12:10	WG2470274

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichlorobenzene	U		0.107	1.00	1	03/17/2025 12:10	WG2470274
1,4-Dichlorobenzene	U		0.120	1.00	1	03/17/2025 12:10	WG2470274
trans-1,4-Dichloro-2-butene	U		0.467	2.50	1	03/17/2025 12:10	WG2470274
1,1-Dichloroethane	0.269	J	0.100	1.00	1	03/17/2025 12:10	WG2470274
1,2-Dichloroethane	U		0.0819	1.00	1	03/17/2025 12:10	WG2470274
1,1-Dichloroethene	U		0.188	1.00	1	03/17/2025 12:10	WG2470274
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/17/2025 12:10	WG2470274
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/17/2025 12:10	WG2470274
1,2-Dichloropropane	U		0.149	1.00	1	03/17/2025 12:10	WG2470274
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/17/2025 12:10	WG2470274
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/17/2025 12:10	WG2470274
Ethylbenzene	U		0.137	1.00	1	03/17/2025 12:10	WG2470274
2-Hexanone	U		0.787	10.0	1	03/17/2025 12:10	WG2470274
Iodomethane	U	C3	6.00	10.0	1	03/17/2025 12:10	WG2470274
2-Butanone (MEK)	U		1.19	10.0	1	03/17/2025 12:10	WG2470274
Methylene Chloride	U		0.430	5.00	1	03/17/2025 12:10	WG2470274
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/17/2025 12:10	WG2470274
Styrene	U		0.118	1.00	1	03/17/2025 12:10	WG2470274
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	03/17/2025 12:10	WG2470274
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/17/2025 12:10	WG2470274
Tetrachloroethene	U		0.300	1.00	1	03/17/2025 12:10	WG2470274
Toluene	U		0.278	1.00	1	03/17/2025 12:10	WG2470274
1,1,1-Trichloroethane	U		0.149	1.00	1	03/17/2025 12:10	WG2470274
1,1,2-Trichloroethane	U		0.158	1.00	1	03/17/2025 12:10	WG2470274
Trichloroethene	U		0.190	1.00	1	03/17/2025 12:10	WG2470274
Trichlorofluoromethane	U		0.160	5.00	1	03/17/2025 12:10	WG2470274
1,2,3-Trichloropropane	U		0.237	2.50	1	03/17/2025 12:10	WG2470274
Vinyl acetate	U	C3 J3	0.692	10.0	1	03/17/2025 12:10	WG2470274
Vinyl chloride	U	C3 J3 J4	0.234	1.00	1	03/17/2025 12:10	WG2470274
Xylenes, Total	U		0.174	3.00	1	03/17/2025 12:10	WG2470274
(S) Toluene-d8	*98.3*			*80.0-120*		*03/17/2025 12:10*	WG2470274
(S) 4-Bromofluorobenzene	*91.6*			*77.0-126*		*03/17/2025 12:10*	WG2470274
(S) 1,2-Dichloroethane-d4	*123*			*70.0-130*		*03/17/2025 12:10*	WG2470274

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	ND	P1	10000	1	03/17/2025 16:26	WG2470038

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	U		547	1000	1	03/21/2025 16:20	WG2469776
Sulfate	U		637	5000	1	03/21/2025 16:20	WG2469776

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	U		495	1000	1	03/23/2025 22:10	WG2474935

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	U		0.310	4.00	1	03/20/2025 23:42	WG2472429
Arsenic	U		0.120	2.00	1	03/20/2025 23:42	WG2472429
Barium	U		0.500	2.00	1	03/20/2025 23:42	WG2472429
Beryllium	U		0.200	2.00	1	03/20/2025 23:42	WG2472429
Cadmium	U		0.120	1.00	1	03/20/2025 23:42	WG2472429
Chromium	U		0.900	2.00	1	03/20/2025 23:42	WG2472429
Copper	U		0.700	5.00	1	03/20/2025 23:42	WG2472429
Cobalt	U		0.100	2.00	1	03/20/2025 23:42	WG2472429
Iron	U		22.6	100	1	03/20/2025 23:42	WG2472429
Lead	U		0.500	2.00	1	03/20/2025 23:42	WG2472429
Manganese	U		0.700	5.00	1	03/20/2025 23:42	WG2472429
Nickel	U		0.500	2.00	1	03/20/2025 23:42	WG2472429
Selenium	U		0.250	2.00	1	03/20/2025 23:42	WG2472429
Silver	U		0.110	2.00	1	03/20/2025 23:42	WG2472429
Thallium	U		0.130	2.00	1	03/20/2025 23:42	WG2472429
Vanadium	U		0.520	5.00	1	03/20/2025 23:42	WG2472429
Zinc	U		4.00	25.0	1	03/20/2025 23:42	WG2472429

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	11.3	50.0	1	03/17/2025 09:36	WG2470274
Acrylonitrile	U		0.671	10.0	1	03/17/2025 09:36	WG2470274
Benzene	U		0.0941	1.00	1	03/17/2025 09:36	WG2470274
Bromochloromethane	U		0.128	1.00	1	03/17/2025 09:36	WG2470274
Bromodichloromethane	U		0.136	1.00	1	03/17/2025 09:36	WG2470274
Bromoform	U		0.129	1.00	1	03/17/2025 09:36	WG2470274
Bromomethane	U	C3	0.605	5.00	1	03/17/2025 09:36	WG2470274
Carbon disulfide	U	C3 J3	0.0962	1.00	1	03/17/2025 09:36	WG2470274
Carbon tetrachloride	U		0.128	1.00	1	03/17/2025 09:36	WG2470274
Chlorobenzene	U		0.116	1.00	1	03/17/2025 09:36	WG2470274
Chlorodibromomethane	U		0.140	1.00	1	03/17/2025 09:36	WG2470274
Chloroethane	U		0.192	5.00	1	03/17/2025 09:36	WG2470274
Chloroform	U		0.111	5.00	1	03/17/2025 09:36	WG2470274
Chloromethane	U		0.960	2.50	1	03/17/2025 09:36	WG2470274
Dibromomethane	U		0.122	1.00	1	03/17/2025 09:36	WG2470274
1,2-Dibromoethane	U		0.126	1.00	1	03/17/2025 09:36	WG2470274
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	03/17/2025 09:36	WG2470274

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichlorobenzene	U		0.107	1.00	1	03/17/2025 09:36	WG2470274
1,4-Dichlorobenzene	U		0.120	1.00	1	03/17/2025 09:36	WG2470274
trans-1,4-Dichloro-2-butene	U		0.467	2.50	1	03/17/2025 09:36	WG2470274
1,1-Dichloroethane	U		0.100	1.00	1	03/17/2025 09:36	WG2470274
1,2-Dichloroethane	U		0.0819	1.00	1	03/17/2025 09:36	WG2470274
1,1-Dichloroethene	U		0.188	1.00	1	03/17/2025 09:36	WG2470274
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/17/2025 09:36	WG2470274
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/17/2025 09:36	WG2470274
1,2-Dichloropropane	U		0.149	1.00	1	03/17/2025 09:36	WG2470274
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/17/2025 09:36	WG2470274
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/17/2025 09:36	WG2470274
Ethylbenzene	U		0.137	1.00	1	03/17/2025 09:36	WG2470274
2-Hexanone	U		0.787	10.0	1	03/17/2025 09:36	WG2470274
Iodomethane	U	C3	6.00	10.0	1	03/17/2025 09:36	WG2470274
2-Butanone (MEK)	U		1.19	10.0	1	03/17/2025 09:36	WG2470274
Methylene Chloride	U		0.430	5.00	1	03/17/2025 09:36	WG2470274
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/17/2025 09:36	WG2470274
Styrene	U		0.118	1.00	1	03/17/2025 09:36	WG2470274
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	03/17/2025 09:36	WG2470274
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/17/2025 09:36	WG2470274
Tetrachloroethene	U		0.300	1.00	1	03/17/2025 09:36	WG2470274
Toluene	U		0.278	1.00	1	03/17/2025 09:36	WG2470274
1,1,1-Trichloroethane	U		0.149	1.00	1	03/17/2025 09:36	WG2470274
1,1,2-Trichloroethane	U		0.158	1.00	1	03/17/2025 09:36	WG2470274
Trichloroethene	U		0.190	1.00	1	03/17/2025 09:36	WG2470274
Trichlorofluoromethane	U		0.160	5.00	1	03/17/2025 09:36	WG2470274
1,2,3-Trichloropropane	U		0.237	2.50	1	03/17/2025 09:36	WG2470274
Vinyl acetate	U	C3 J3	0.692	10.0	1	03/17/2025 09:36	WG2470274
Vinyl chloride	U	C3 J3 J4	0.234	1.00	1	03/17/2025 09:36	WG2470274
Xylenes, Total	U		0.174	3.00	1	03/17/2025 09:36	WG2470274
(S) Toluene-d8	*98.5*			*80.0-120*		*03/17/2025 09:36*	WG2470274
(S) 4-Bromofluorobenzene	*91.1*			*77.0-126*		*03/17/2025 09:36*	WG2470274
(S) 1,2-Dichloroethane-d4	*124*			*70.0-130*		*03/17/2025 09:36*	WG2470274

Method Blank (MB)

(MB) R4188463-1 03/17/25 16:26

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Dissolved Solids	U		10000	10000

L1836717-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1836717-01 03/17/25 16:26 • (DUP) R4188463-3 03/17/25 16:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Dissolved Solids	79900000	77900000	1	2.53		10

L1836751-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1836751-09 03/17/25 16:26 • (DUP) R4188463-4 03/17/25 16:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Dissolved Solids	ND	ND	1	54.5	P1	10

Laboratory Control Sample (LCS)

(LCS) R4188463-2 03/17/25 16:26

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Dissolved Solids	8800000	8670000	98.5	90.0-110	

Method Blank (MB)

(MB) R4189701-1 03/21/25 11:38

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloride	U		547	1000
Sulfate	U		637	5000

L1836750-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1836750-02 03/21/25 12:16 • (DUP) R4189701-3 03/21/25 12:29

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	51900	52200	1	0.480		15

L1836750-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1836750-02 03/21/25 12:55 • (DUP) R4189701-5 03/21/25 13:08

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	92200	91500	10	0.719		15

L1836751-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1836751-01 03/21/25 13:20 • (DUP) R4189701-6 03/21/25 13:33

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	8720	8720	1	0.0378		15
Sulfate	26400	26300	1	0.362		15

Laboratory Control Sample (LCS)

(LCS) R4189701-2 03/21/25 11:51

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	40500	101	80.0-120	
Sulfate	40000	39900	99.8	80.0-120	

L1836750-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1836750-02 03/21/25 12:16 • (MS) R4189701-4 03/21/25 12:42

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40000	51900	82100	75.5	1	80.0-120	J6
Sulfate	40000	107000	125000	45.2	1	80.0-120	E J6

L1836751-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1836751-01 03/21/25 13:20 • (MS) R4189701-7 03/21/25 13:46 • (MSD) R4189701-8 03/21/25 13:59

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 %
Chloride	40000	8720	48000	47900	98.2	98.0	1	80.0-120			0.176	15
Sulfate	40000	26400	61400	61300	87.4	87.1	1	80.0-120			0.191	15

Method Blank (MB)

(MB) R4189990-2 03/23/25 13:06

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

L1836645-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1836645-04 03/23/25 18:04 • (DUP) R4189990-5 03/23/25 18:30

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	16700	16400	1	1.73		20

L1836717-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1836717-02 03/24/25 00:39 • (DUP) R4189990-8 03/24/25 01:06

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	8270	8380	1	1.34		20

Laboratory Control Sample (LCS)

(LCS) R4189990-1 03/23/25 12:44

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	25000	23800	95.4	85.0-115	

L1836645-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1836645-03 03/23/25 16:35 • (MS) R4189990-3 03/23/25 17:06 • (MSD) R4189990-4 03/23/25 17:38

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 %
TOC (Total Organic Carbon)	25000	32200	55100	54900	91.8	91.1	1	85.0-115	E	E	0.330	20

L1836717-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1836717-01 03/23/25 23:12 • (MS) R4189990-6 03/23/25 23:42 • (MSD) R4189990-7 03/24/25 00:12

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 %
TOC (Total Organic Carbon)	25000	9410	34200	33800	99.1	97.6	1	85.0-115			1.08	20

Method Blank (MB)

(MB) R4189981-2 03/23/25 15:03

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

L1836751-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1836751-08 03/23/25 21:33 • (DUP) R4189981-5 03/23/25 21:52

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	783	790	1	0.941	J	20

L1836774-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1836774-05 03/24/25 00:31 • (DUP) R4189981-6 03/24/25 00:51

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	1290	1250	1	2.76		20

Laboratory Control Sample (LCS)

(LCS) R4189981-1 03/23/25 14:45

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	25000	25200	101	85.0-115	

L1836419-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1836419-09 03/23/25 18:52 • (MS) R4189981-3 03/23/25 19:15 • (MSD) R4189981-4 03/23/25 19:38

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 %
TOC (Total Organic Carbon)	25000	1330	26600	26800	101	102	1	85.0-115			0.750	20

L1836774-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1836774-08 03/24/25 01:47 • (MS) R4189981-7 03/24/25 02:10 • (MSD) R4189981-8 03/24/25 02:35

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 %
TOC (Total Organic Carbon)	25000	1210	26400	26500	101	101	1	85.0-115			0.227	20

Method Blank (MB)

(MB) R4189129-1 03/20/25 22:03

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Antimony	U		0.310	4.00
Arsenic	U		0.120	2.00
Barium	U		0.500	2.00
Beryllium	U		0.200	2.00
Cadmium	U		0.120	1.00
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
Manganese	U		0.700	5.00
Nickel	U		0.500	2.00
Selenium	U		0.250	2.00
Silver	U		0.110	2.00
Thallium	U		0.130	2.00
Vanadium	U		0.520	5.00
Zinc	U		4.00	25.0

Laboratory Control Sample (LCS)

(LCS) R4189129-2 03/20/25 22:06

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	50.0	53.6	107	80.0-120	
Arsenic	50.0	49.3	98.5	80.0-120	
Barium	50.0	47.2	94.4	80.0-120	
Beryllium	50.0	48.6	97.2	80.0-120	
Cadmium	50.0	51.1	102	80.0-120	
Chromium	50.0	50.8	102	80.0-120	
Copper	50.0	50.2	100	80.0-120	
Cobalt	50.0	50.6	101	80.0-120	
Iron	1000	1000	100	80.0-120	
Lead	50.0	49.4	98.9	80.0-120	
Manganese	50.0	49.5	99.0	80.0-120	
Nickel	50.0	50.8	102	80.0-120	
Selenium	50.0	47.7	95.5	80.0-120	
Silver	50.0	48.5	97.1	80.0-120	
Thallium	50.0	49.4	98.7	80.0-120	
Vanadium	50.0	50.4	101	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4189129-2 03/20/25 22:06

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Zinc	50.0	50.4	101	80.0-120	

L1836751-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1836751-04 03/20/25 22:09 • (MS) R4189129-4 03/20/25 22:16 • (MSD) R4189129-5 03/20/25 22:19

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 %
Antimony	50.0	U	55.6	55.0	111	110	1	75.0-125			0.957	20
Arsenic	50.0	0.850	50.9	50.6	100	99.6	1	75.0-125			0.438	20
Barium	50.0	152	200	205	95.7	104	1	75.0-125			2.14	20
Beryllium	50.0	U	48.7	47.6	97.5	95.2	1	75.0-125			2.34	20
Cadmium	50.0	U	52.1	50.5	104	101	1	75.0-125			3.18	20
Chromium	50.0	U	51.2	50.2	102	100	1	75.0-125			1.91	20
Copper	50.0	U	50.4	49.5	101	98.9	1	75.0-125			1.92	20
Cobalt	50.0	U	50.3	49.9	101	99.8	1	75.0-125			0.860	20
Iron	1000	2420	3370	3400	95.0	98.8	1	75.0-125			1.12	20
Lead	50.0	U	50.3	48.6	101	97.3	1	75.0-125			3.28	20
Manganese	50.0	609	651	658	83.4	97.3	1	75.0-125			1.06	20
Nickel	50.0	U	50.6	49.9	101	99.8	1	75.0-125			1.36	20
Selenium	50.0	U	48.8	48.6	97.5	97.2	1	75.0-125			0.283	20
Silver	50.0	U	50.0	49.0	100	98.1	1	75.0-125			2.02	20
Thallium	50.0	U	49.4	47.9	98.7	95.8	1	75.0-125			3.02	20
Vanadium	50.0	U	50.3	50.6	101	101	1	75.0-125			0.498	20
Zinc	50.0	U	51.7	50.6	103	101	1	75.0-125			2.07	20

Method Blank (MB)

(MB) R4189030-2 03/16/25 23:20

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromochloromethane	U		0.128	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
Carbon disulfide	U		0.0962	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
Dibromomethane	U		0.122	1.00
1,2-Dibromoethane	U		0.126	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dichlorobenzene	U		0.107	1.00
1,4-Dichlorobenzene	U		0.120	1.00
trans-1,4-Dichloro-2-butene	U		0.467	2.50
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
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
Ethylbenzene	U		0.137	1.00
2-Hexanone	U		0.787	10.0
Iodomethane	U		6.00	10.0
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
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
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,1,1-Trichloroethane	U		0.149	1.00

Method Blank (MB)

(MB) R4189030-2 03/16/25 23:20

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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
Vinyl acetate	U		0.692	10.0
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*100*			*80.0-120*
(S) 4-Bromofluorobenzene	*94.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4189030-1 03/16/25 22:01

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	48.9	196	19.0-160	J J4
Acrylonitrile	25.0	30.0	120	55.0-149	
Benzene	5.00	4.90	98.0	70.0-123	
Bromochloromethane	5.00	5.26	105	76.0-122	
Bromodichloromethane	5.00	5.05	101	75.0-120	
Bromoform	5.00	4.34	86.8	68.0-132	
Bromomethane	5.00	3.91	78.2	10.0-160	J
Carbon disulfide	5.00	5.23	105	61.0-128	
Carbon tetrachloride	5.00	5.02	100	68.0-126	
Chlorobenzene	5.00	5.03	101	80.0-121	
Chlorodibromomethane	5.00	4.81	96.2	77.0-125	
Chloroethane	5.00	6.56	131	47.0-150	
Chloroform	5.00	5.18	104	73.0-120	
Chloromethane	5.00	4.40	88.0	41.0-142	
Dibromomethane	5.00	4.93	98.6	80.0-120	
1,2-Dibromoethane	5.00	4.45	89.0	80.0-122	
1,2-Dibromo-3-Chloropropane	5.00	3.22	64.4	58.0-134	J
1,2-Dichlorobenzene	5.00	4.61	92.2	79.0-121	
1,4-Dichlorobenzene	5.00	4.78	95.6	79.0-120	
trans-1,4-Dichloro-2-butene	5.00	4.27	85.4	33.0-144	
1,1-Dichloroethane	5.00	5.14	103	70.0-126	
1,2-Dichloroethane	5.00	5.41	108	70.0-128	
1,1-Dichloroethene	5.00	4.83	96.6	71.0-124	

Laboratory Control Sample (LCS)

(LCS) R4189030-1 03/16/25 22:01

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
cis-1,2-Dichloroethene	5.00	4.99	99.8	73.0-120	
trans-1,2-Dichloroethene	5.00	5.37	107	73.0-120	
1,2-Dichloropropane	5.00	5.07	101	77.0-125	
cis-1,3-Dichloropropene	5.00	4.56	91.2	80.0-123	
trans-1,3-Dichloropropene	5.00	4.49	89.8	78.0-124	
Ethylbenzene	5.00	4.82	96.4	79.0-123	
2-Hexanone	25.0	28.3	113	67.0-149	
Iodomethane	25.0	20.4	81.6	33.0-147	
2-Butanone (MEK)	25.0	30.5	122	44.0-160	
Methylene Chloride	5.00	5.27	105	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	26.5	106	68.0-142	
Styrene	5.00	4.36	87.2	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	4.72	94.4	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	4.84	96.8	65.0-130	
Tetrachloroethene	5.00	4.90	98.0	72.0-132	
Toluene	5.00	4.90	98.0	79.0-120	
1,1,1-Trichloroethane	5.00	5.16	103	73.0-124	
1,1,2-Trichloroethane	5.00	4.78	95.6	80.0-120	
Trichloroethene	5.00	5.21	104	78.0-124	
Trichlorofluoromethane	5.00	5.33	107	59.0-147	
1,2,3-Trichloropropane	5.00	5.10	102	73.0-130	
Vinyl acetate	25.0	20.5	82.0	11.0-160	
Vinyl chloride	5.00	5.55	111	67.0-131	
Xylenes, Total	15.0	14.4	96.0	79.0-123	
(S) Toluene-d8			*99.3*	*80.0-120*	
(S) 4-Bromofluorobenzene			*97.8*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*102*	*70.0-130*	

Method Blank (MB)

(MB) R4189559-3 03/17/25 08:52

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromochloromethane	U		0.128	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
Carbon disulfide	U		0.0962	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
Dibromomethane	U		0.122	1.00
1,2-Dibromoethane	U		0.126	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dichlorobenzene	U		0.107	1.00
1,4-Dichlorobenzene	U		0.120	1.00
trans-1,4-Dichloro-2-butene	U		0.467	2.50
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
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
Ethylbenzene	U		0.137	1.00
2-Hexanone	U		0.787	10.0
Iodomethane	U		6.00	10.0
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
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
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,1,1-Trichloroethane	U		0.149	1.00

Method Blank (MB)

(MB) R4189559-3 03/17/25 08:52

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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
Vinyl acetate	U		0.692	10.0
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*89.1*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*

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

(LCS) R4189559-1 03/17/25 07:26 • (LCSD) R4189559-2 03/17/25 07:48

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 %
Acetone	25.0	61.1	52.4	244	210	19.0-160	J4	J4	15.3	27
Acrylonitrile	25.0	31.4	28.6	126	114	55.0-149			9.33	20
Benzene	5.00	4.46	5.04	89.2	101	70.0-123			12.2	20
Bromochloromethane	5.00	4.31	4.57	86.2	91.4	76.0-122			5.86	20
Bromodichloromethane	5.00	4.72	4.99	94.4	99.8	75.0-120			5.56	20
Bromoform	5.00	4.14	4.18	82.8	83.6	68.0-132			0.962	20
Bromomethane	5.00	3.42	4.20	68.4	84.0	10.0-160	J	J	20.5	25
Carbon disulfide	5.00	3.65	4.49	73.0	89.8	61.0-128		J3	20.6	20
Carbon tetrachloride	5.00	4.60	5.27	92.0	105	68.0-126			13.6	20
Chlorobenzene	5.00	4.50	4.78	90.0	95.6	80.0-121			6.03	20
Chlorodibromomethane	5.00	4.57	4.69	91.4	93.8	77.0-125			2.59	20
Chloroethane	5.00	4.18	4.54	83.6	90.8	47.0-150	J	J	8.26	20
Chloroform	5.00	4.71	4.81	94.2	96.2	73.0-120	J	J	2.10	20
Chloromethane	5.00	4.05	4.85	81.0	97.0	41.0-142			18.0	20
Dibromomethane	5.00	4.41	4.78	88.2	95.6	80.0-120			8.05	20
1,2-Dibromoethane	5.00	4.66	4.81	93.2	96.2	80.0-122			3.17	20
1,2-Dibromo-3-Chloropropane	5.00	3.80	4.03	76.0	80.6	58.0-134	J	J	5.87	20
1,2-Dichlorobenzene	5.00	4.07	4.56	81.4	91.2	79.0-121			11.4	20
1,4-Dichlorobenzene	5.00	4.23	5.04	84.6	101	79.0-120			17.5	20
trans-1,4-Dichloro-2-butene	5.00	4.72	5.44	94.4	109	33.0-144			14.2	20
1,1-Dichloroethane	5.00	4.52	4.96	90.4	99.2	70.0-126			9.28	20
1,2-Dichloroethane	5.00	5.36	5.50	107	110	70.0-128			2.58	20
1,1-Dichloroethene	5.00	4.60	4.70	92.0	94.0	71.0-124			2.15	20

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

(LCS) R4189559-1 03/17/25 07:26 • (LCSD) R4189559-2 03/17/25 07:48

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 %
cis-1,2-Dichloroethene	5.00	4.44	4.88	88.8	97.6	73.0-120			9.44	20
trans-1,2-Dichloroethene	5.00	4.23	4.81	84.6	96.2	73.0-120			12.8	20
1,2-Dichloropropane	5.00	4.28	4.92	85.6	98.4	77.0-125			13.9	20
cis-1,3-Dichloropropene	5.00	4.35	4.88	87.0	97.6	80.0-123			11.5	20
trans-1,3-Dichloropropene	5.00	4.63	5.18	92.6	104	78.0-124			11.2	20
Ethylbenzene	5.00	4.47	5.04	89.4	101	79.0-123			12.0	20
2-Hexanone	25.0	29.1	30.5	116	122	67.0-149			4.70	20
Iodomethane	25.0	18.9	20.8	75.6	83.2	33.0-147			9.57	26
2-Butanone (MEK)	25.0	38.0	39.1	152	156	44.0-160			2.85	20
Methylene Chloride	5.00	4.05	4.67	81.0	93.4	67.0-120	J	J	14.2	20
4-Methyl-2-pentanone (MIBK)	25.0	29.5	30.0	118	120	68.0-142			1.68	20
Styrene	5.00	4.57	4.73	91.4	94.6	73.0-130			3.44	20
1,1,1,2-Tetrachloroethane	5.00	4.45	4.35	89.0	87.0	75.0-125			2.27	20
1,1,2,2-Tetrachloroethane	5.00	4.81	5.44	96.2	109	65.0-130			12.3	20
Tetrachloroethene	5.00	4.41	5.07	88.2	101	72.0-132			13.9	20
Toluene	5.00	4.77	5.26	95.4	105	79.0-120			9.77	20
1,1,1-Trichloroethane	5.00	5.16	5.64	103	113	73.0-124			8.89	20
1,1,2-Trichloroethane	5.00	4.80	4.95	96.0	99.0	80.0-120			3.08	20
Trichloroethene	5.00	4.51	4.85	90.2	97.0	78.0-124			7.26	20
Trichlorofluoromethane	5.00	4.90	5.28	98.0	106	59.0-147	J		7.47	20
1,2,3-Trichloropropane	5.00	5.06	5.71	101	114	73.0-130			12.1	20
Vinyl acetate	25.0	17.6	22.7	70.4	90.8	11.0-160		J3	25.3	20
Vinyl chloride	5.00	3.30	4.31	66.0	86.2	67.0-131	J4	J3	26.5	20
Xylenes, Total	15.0	14.0	14.8	93.3	98.7	79.0-123			5.56	20
(S) Toluene-d8				*103*	*103*	*80.0-120*				
(S) 4-Bromofluorobenzene				*97.5*	*95.1*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*116*	*116*	*70.0-130*				

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
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.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
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.

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.

Company Name/Address:
Legacy Landfill

3537 N. Steele Blvd, Suite 310
Fayetteville, AR 72703

Billing Information:
Angela Sparks
P.O. Box 16777
Jonesboro, AR 72403

Pres Chk

Report to:
Melissa Vaught 501-920-9642

Email To:
mvaught@olsson.com;mclayton@olsson.com;a

Project Description:
Craighead County - Legacy Landfill

City/State Collected: Jonesboro AR

Please Circle: PT MT CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project #
024-01259

Lab Project #
LEGLDFJAR-CRAIGHEAD

Collected by (print):
Michael Clayton

Site/Facility ID #

P.O. #

Collected by (signature):
Immediately
Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Chloride, Sulfate 125mlHDPE-NoPres	M6010AP1 + Fe, Mn 250mlHDPE-HNO3	TDS 1L-HDPE NoPres	TOC 250mlHDPE-HCl	V8260AP1 40mlAmb-HCl	V8260AP1- Trip Blk 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
MW-23	Grab	GW		3/12/25	1405	6	X	X	X	X	X			-01
MW-24		GW		3/12/25	1505	6	X	X	X	X	X			-02
MW-25		GW		3/13/25	1040	6	X	X	X	X	X			-03
MW-26		GW		3/13/25	1155	6	X	X	X	X	X			-04
MW-27R		GW		3/13/25	1310	6	X	X	X	X	X			-05
MW-28		GW		3/13/25	1715	6	X	X	X	X	X			-06
MW-29		GW		3/13/25	1555	6	X	X	X	X	X			-07
MW-27R DUP		GW		3/13/25	1315	6	X	X	X	X	X			-08
EB-1	↓	GW		3/13/25	1740	6	X	X	X	X	X			-09
Trip Blank		GW				~~10~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	X		

Analysis / Container / Preservative

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Michael Clayton	3/14/25	1230	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Deyang

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: °C Bottles Received: 54

Date: 3.15.25 Time: 0900

Hold:

Condition: NCF / OK

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

If pr... e/Time

PH – 10BDH2631
TRC – 4072A72

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1536751
A133

Acctnum: LEGLDFJAR
Template: T106244
Prelogin: P1130427
PM: 134 - Mark W. Beasley
PB: 2/7/25 mv
Shipped Via: FedEX Ground

Multiple Parcel Form

L# LF626751

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
420812504997	EDTG	3.8	0.4	4.2	Yes / No / Not Present
420813505000	EDTG	0.7	0.4	1.1	Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present

D Cuykendall
Name

3.15.25
Date

3/15 L1836751 LEGLDFJAR

R5

Time estimate: oh **Time spent:** oh

Members

Hailey Robertson (responsible) MB Mark Beasley

Due on *19 March 2025 8:00 AM* for target *Done*

- [ ] Parameter(s) past holding time
- [ ] Temperature not in range
- [ ] Improper container type
- [ ] pH not in range
- [ ] Insufficient sample volume
- [ ] Sample is biphasic
- [ ] Vials received with headspace
- [x] Broken container
- [ ] Sufficient sample remains
- [ ] If broken container: Insufficient packing material around container
- [ ] If broken container: Insufficient packing material inside cooler
- [ ] If broken container: Improper handling by carrier:_____
- [ ] If broken container: Sample was frozen
- [ ] If broken container: Container lid not intact
- [ ] Client informed by Call
- [ ] Client informed by Email
- [ ] Client informed by Voicemail
- [ ] Date/Time:____3/15/25_____
- [ ] PM initials:_____MB_____
- [ ] Client Contact:_____Melissa Vaught_____

Comments

Hailey Robertson *15 March 2025 2:30 PM*

Trip blank received broken.

Mark Beasley *15 March 2025 2:36 PM*

Client notified

Hailey Robertson *15 March 2025 3:11 PM*

Done

ANALYTICAL REPORT

May 20, 2025

Legacy Landfill

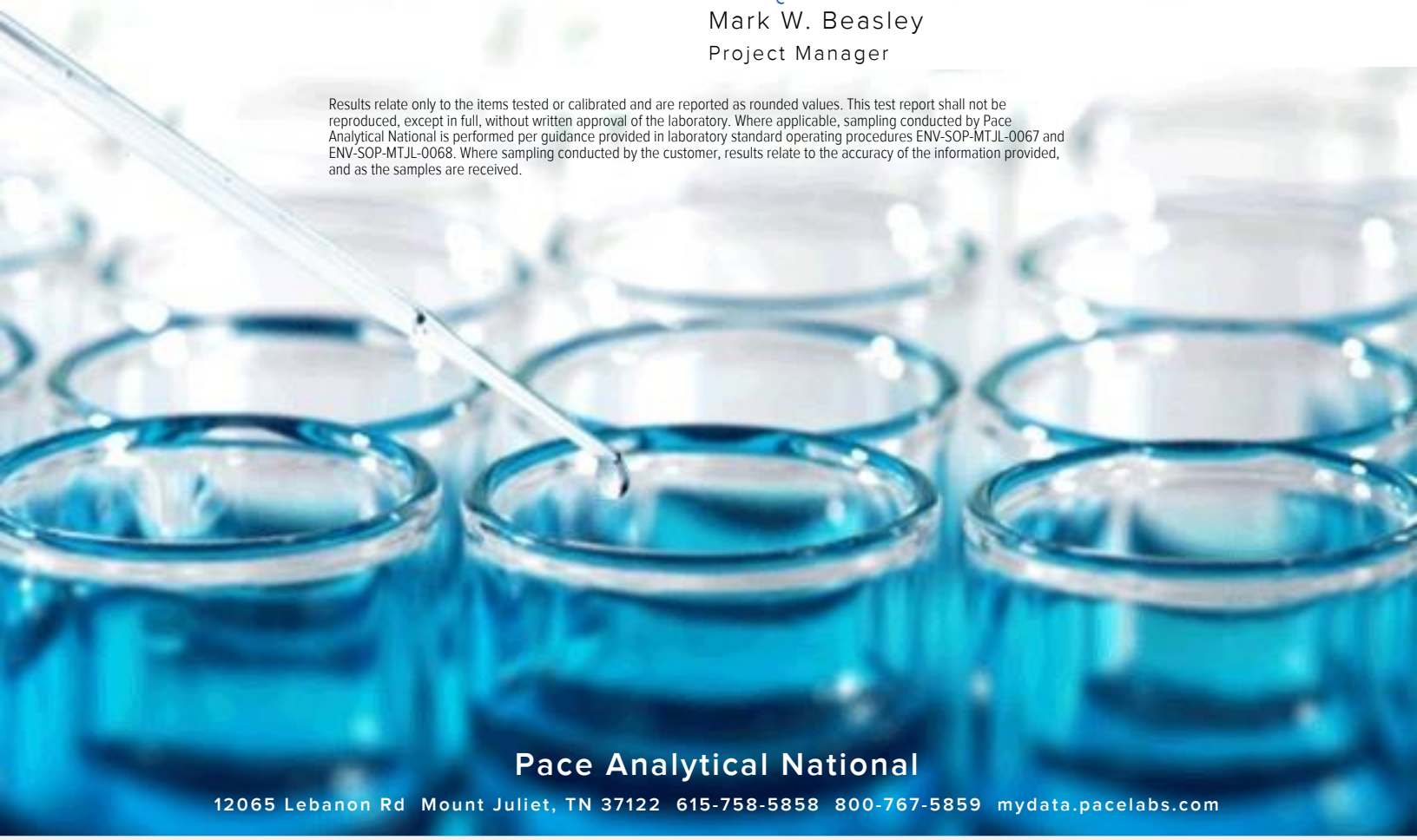
Sample Delivery Group:	L1857530
Samples Received:	05/10/2025
Project Number:	024-01259
Description:	Craighead County - Legacy Landfill

Report To: Melissa Vaught
3537 N. Steele Blvd, Suite 310
Fayetteville, AR 72703

Entire Report Reviewed By:

Mark W. Beasley
Project Manager

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



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

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MW-14R L1857530-01

Collected by: Michael Clayton | Collected date/time: 05/07/25 15:05 | Received date/time: 05/10/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2512418	1	05/11/25 11:04	05/13/25 09:49	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2511984	1	05/17/25 19:29	05/17/25 19:29	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2512237	1	05/11/25 09:22	05/11/25 09:22	ASH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2516825	1	05/17/25 22:55	05/19/25 19:18	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2513456	1	05/13/25 01:33	05/13/25 01:33	DYW	Mt. Juliet, TN

MW-17R L1857530-02

Collected by: Michael Clayton | Collected date/time: 05/08/25 09:30 | Received date/time: 05/10/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2512418	1	05/11/25 11:04	05/13/25 09:49	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2511984	1	05/17/25 19:45	05/17/25 19:45	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2512237	1	05/11/25 09:38	05/11/25 09:38	ASH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2516825	1	05/17/25 22:55	05/19/25 19:29	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2513456	1	05/13/25 01:54	05/13/25 01:54	DYW	Mt. Juliet, TN

MW-19 L1857530-03

Collected by: Michael Clayton | Collected date/time: 05/08/25 11:50 | Received date/time: 05/10/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2512470	1	05/11/25 13:04	05/11/25 15:15	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2511984	1	05/17/25 20:01	05/17/25 20:01	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2512377	1	05/11/25 19:33	05/11/25 19:33	ASH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2516825	1	05/17/25 22:55	05/19/25 19:32	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2513456	1	05/13/25 02:15	05/13/25 02:15	DYW	Mt. Juliet, TN

MW-20R L1857530-04

Collected by: Michael Clayton | Collected date/time: 05/08/25 16:05 | Received date/time: 05/10/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2512470	1	05/11/25 13:04	05/11/25 15:15	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2511984	1	05/17/25 20:17	05/17/25 20:17	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2512377	1	05/11/25 20:43	05/11/25 20:43	ASH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2516825	1	05/17/25 22:55	05/19/25 19:35	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2513456	1	05/13/25 02:36	05/13/25 02:36	DYW	Mt. Juliet, TN

MW-21 L1857530-05

Collected by: Michael Clayton | Collected date/time: 05/06/25 16:40 | Received date/time: 05/10/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2512470	1	05/11/25 13:04	05/11/25 15:15	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2511984	1	05/17/25 20:33	05/17/25 20:33	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2511984	5	05/19/25 11:41	05/19/25 11:41	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2512377	1	05/11/25 21:24	05/11/25 21:24	ASH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2516825	1	05/17/25 22:55	05/19/25 19:39	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2513387	1	05/12/25 22:21	05/12/25 22:21	DWR	Mt. Juliet, TN

MW-22 L1857530-06

Collected by: Michael Clayton | Collected date/time: 05/07/25 11:15 | Received date/time: 05/10/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2512423	1	05/11/25 11:10	05/13/25 09:33	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2511984	1	05/17/25 20:49	05/17/25 20:49	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2512377	1	05/11/25 21:44	05/11/25 21:44	ASH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2516825	1	05/17/25 22:55	05/19/25 19:42	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2513456	1	05/13/25 02:57	05/13/25 02:57	DYW	Mt. Juliet, TN

MW-23 L1857530-07

Collected by: Michael Clayton | Collected date/time: 05/06/25 12:10 | Received date/time: 05/10/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2512423	1	05/11/25 11:10	05/13/25 09:33	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2511984	1	05/17/25 21:05	05/17/25 21:05	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2512377	1	05/11/25 22:04	05/11/25 22:04	ASH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2516831	1	05/17/25 23:19	05/19/25 23:08	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2513387	1	05/12/25 22:40	05/12/25 22:40	DWR	Mt. Juliet, TN

MW-24 L1857530-08

Collected by: Michael Clayton | Collected date/time: 05/06/25 13:50 | Received date/time: 05/10/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2512423	1	05/11/25 11:10	05/13/25 09:33	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2512053	1	05/16/25 15:28	05/16/25 15:28	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2512377	1	05/11/25 22:24	05/11/25 22:24	ASH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2516831	1	05/17/25 23:19	05/19/25 23:11	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2513387	1	05/12/25 22:59	05/12/25 22:59	DWR	Mt. Juliet, TN

MW-14R DUP L1857530-09

Collected by: Michael Clayton | Collected date/time: 05/07/25 15:10 | Received date/time: 05/10/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2512418	1	05/11/25 11:04	05/13/25 09:49	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2512053	1	05/16/25 16:22	05/16/25 16:22	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2512377	1	05/11/25 22:44	05/11/25 22:44	ASH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2516831	1	05/17/25 23:19	05/19/25 23:14	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2513456	1	05/13/25 03:18	05/13/25 03:18	DYW	Mt. Juliet, TN

MW-25 L1857530-10

Collected by: Michael Clayton | Collected date/time: 05/06/25 14:50 | Received date/time: 05/10/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2512418	1	05/11/25 11:04	05/13/25 09:49	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2512053	1	05/16/25 16:36	05/16/25 16:36	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2512377	1	05/11/25 23:04	05/11/25 23:04	ASH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2516831	1	05/17/25 23:19	05/19/25 23:17	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2513387	1	05/12/25 23:18	05/12/25 23:18	DWR	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. 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.



Mark W. Beasley
Project Manager

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	591000		10000	1	05/13/2025 09:49	WG2512418

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	39200		547	1000	1	05/17/2025 19:29	WG2511984
Sulfate	64100		637	5000	1	05/17/2025 19:29	WG2511984

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1410		495	1000	1	05/11/2025 09:22	WG2512237

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	U		0.310	4.00	1	05/19/2025 19:18	WG2516825
Arsenic	2.96		0.120	2.00	1	05/19/2025 19:18	WG2516825
Barium	297		0.500	2.00	1	05/19/2025 19:18	WG2516825
Beryllium	U		0.200	2.00	1	05/19/2025 19:18	WG2516825
Cadmium	U		0.120	1.00	1	05/19/2025 19:18	WG2516825
Chromium	U		0.900	2.00	1	05/19/2025 19:18	WG2516825
Copper	U		0.700	5.00	1	05/19/2025 19:18	WG2516825
Cobalt	0.829	J	0.100	2.00	1	05/19/2025 19:18	WG2516825
Iron	12100		22.6	100	1	05/19/2025 19:18	WG2516825
Lead	U		0.500	2.00	1	05/19/2025 19:18	WG2516825
Manganese	393		0.700	5.00	1	05/19/2025 19:18	WG2516825
Nickel	0.539	J	0.500	2.00	1	05/19/2025 19:18	WG2516825
Selenium	U		0.250	2.00	1	05/19/2025 19:18	WG2516825
Silver	U		0.110	2.00	1	05/19/2025 19:18	WG2516825
Thallium	U		0.130	2.00	1	05/19/2025 19:18	WG2516825
Vanadium	U		0.520	5.00	1	05/19/2025 19:18	WG2516825
Zinc	U		4.00	25.0	1	05/19/2025 19:18	WG2516825

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	05/13/2025 01:33	WG2513456
Acrylonitrile	U		0.671	10.0	1	05/13/2025 01:33	WG2513456
Benzene	U		0.0941	1.00	1	05/13/2025 01:33	WG2513456
Bromochloromethane	U		0.128	1.00	1	05/13/2025 01:33	WG2513456
Bromodichloromethane	U		0.136	1.00	1	05/13/2025 01:33	WG2513456
Bromoform	U		0.129	1.00	1	05/13/2025 01:33	WG2513456
Bromomethane	U		0.605	5.00	1	05/13/2025 01:33	WG2513456
Carbon disulfide	U		0.0962	1.00	1	05/13/2025 01:33	WG2513456
Carbon tetrachloride	U		0.128	1.00	1	05/13/2025 01:33	WG2513456
Chlorobenzene	U		0.116	1.00	1	05/13/2025 01:33	WG2513456
Chlorodibromomethane	U		0.140	1.00	1	05/13/2025 01:33	WG2513456
Chloroethane	U		0.192	5.00	1	05/13/2025 01:33	WG2513456
Chloroform	U		0.111	5.00	1	05/13/2025 01:33	WG2513456
Chloromethane	U		0.960	2.50	1	05/13/2025 01:33	WG2513456
Dibromomethane	U		0.122	1.00	1	05/13/2025 01:33	WG2513456
1,2-Dibromoethane	U		0.126	1.00	1	05/13/2025 01:33	WG2513456
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	05/13/2025 01:33	WG2513456

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichlorobenzene	U		0.107	1.00	1	05/13/2025 01:33	WG2513456
1,4-Dichlorobenzene	U		0.120	1.00	1	05/13/2025 01:33	WG2513456
trans-1,4-Dichloro-2-butene	U	C3	0.467	2.50	1	05/13/2025 01:33	WG2513456
1,1-Dichloroethane	U		0.100	1.00	1	05/13/2025 01:33	WG2513456
1,2-Dichloroethane	U		0.0819	1.00	1	05/13/2025 01:33	WG2513456
1,1-Dichloroethene	U		0.188	1.00	1	05/13/2025 01:33	WG2513456
cis-1,2-Dichloroethene	U		0.126	1.00	1	05/13/2025 01:33	WG2513456
trans-1,2-Dichloroethene	U		0.149	1.00	1	05/13/2025 01:33	WG2513456
1,2-Dichloropropane	U		0.149	1.00	1	05/13/2025 01:33	WG2513456
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/13/2025 01:33	WG2513456
trans-1,3-Dichloropropene	U	C3	0.118	1.00	1	05/13/2025 01:33	WG2513456
Ethylbenzene	U		0.137	1.00	1	05/13/2025 01:33	WG2513456
2-Hexanone	U	C3	0.787	10.0	1	05/13/2025 01:33	WG2513456
Iodomethane	U		6.00	10.0	1	05/13/2025 01:33	WG2513456
2-Butanone (MEK)	U		1.19	10.0	1	05/13/2025 01:33	WG2513456
Methylene Chloride	U		0.430	5.00	1	05/13/2025 01:33	WG2513456
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/13/2025 01:33	WG2513456
Styrene	U		0.118	1.00	1	05/13/2025 01:33	WG2513456
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	05/13/2025 01:33	WG2513456
1,1,2,2-Tetrachloroethane	U	C3	0.133	1.00	1	05/13/2025 01:33	WG2513456
Tetrachloroethene	U		0.300	1.00	1	05/13/2025 01:33	WG2513456
Toluene	U		0.278	1.00	1	05/13/2025 01:33	WG2513456
1,1,1-Trichloroethane	U		0.149	1.00	1	05/13/2025 01:33	WG2513456
1,1,2-Trichloroethane	U		0.158	1.00	1	05/13/2025 01:33	WG2513456
Trichloroethene	U		0.190	1.00	1	05/13/2025 01:33	WG2513456
Trichlorofluoromethane	U		0.160	5.00	1	05/13/2025 01:33	WG2513456
1,2,3-Trichloropropane	U		0.237	2.50	1	05/13/2025 01:33	WG2513456
Vinyl acetate	U	C3	0.692	10.0	1	05/13/2025 01:33	WG2513456
Vinyl chloride	U		0.234	1.00	1	05/13/2025 01:33	WG2513456
Xylenes, Total	U		0.174	3.00	1	05/13/2025 01:33	WG2513456
(S) Toluene-d8	*95.6*			*80.0-120*		*05/13/2025 01:33*	WG2513456
(S) 4-Bromofluorobenzene	*94.9*			*77.0-126*		*05/13/2025 01:33*	WG2513456
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*05/13/2025 01:33*	WG2513456

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	441000		10000	1	05/13/2025 09:49	WG2512418

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	8060		547	1000	1	05/17/2025 19:45	WG2511984
Sulfate	36600		637	5000	1	05/17/2025 19:45	WG2511984

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1320		495	1000	1	05/11/2025 09:38	WG2512237

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	U		0.310	4.00	1	05/19/2025 19:29	WG2516825
Arsenic	1.29	J	0.120	2.00	1	05/19/2025 19:29	WG2516825
Barium	136		0.500	2.00	1	05/19/2025 19:29	WG2516825
Beryllium	U		0.200	2.00	1	05/19/2025 19:29	WG2516825
Cadmium	U		0.120	1.00	1	05/19/2025 19:29	WG2516825
Chromium	U		0.900	2.00	1	05/19/2025 19:29	WG2516825
Copper	U		0.700	5.00	1	05/19/2025 19:29	WG2516825
Cobalt	0.680	J	0.100	2.00	1	05/19/2025 19:29	WG2516825
Iron	3700		22.6	100	1	05/19/2025 19:29	WG2516825
Lead	U		0.500	2.00	1	05/19/2025 19:29	WG2516825
Manganese	72.0		0.700	5.00	1	05/19/2025 19:29	WG2516825
Nickel	0.788	J	0.500	2.00	1	05/19/2025 19:29	WG2516825
Selenium	U		0.250	2.00	1	05/19/2025 19:29	WG2516825
Silver	U		0.110	2.00	1	05/19/2025 19:29	WG2516825
Thallium	U		0.130	2.00	1	05/19/2025 19:29	WG2516825
Vanadium	U		0.520	5.00	1	05/19/2025 19:29	WG2516825
Zinc	4.70	J	4.00	25.0	1	05/19/2025 19:29	WG2516825

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	05/13/2025 01:54	WG2513456
Acrylonitrile	U		0.671	10.0	1	05/13/2025 01:54	WG2513456
Benzene	U		0.0941	1.00	1	05/13/2025 01:54	WG2513456
Bromochloromethane	U		0.128	1.00	1	05/13/2025 01:54	WG2513456
Bromodichloromethane	U		0.136	1.00	1	05/13/2025 01:54	WG2513456
Bromoform	U		0.129	1.00	1	05/13/2025 01:54	WG2513456
Bromomethane	U		0.605	5.00	1	05/13/2025 01:54	WG2513456
Carbon disulfide	U		0.0962	1.00	1	05/13/2025 01:54	WG2513456
Carbon tetrachloride	U		0.128	1.00	1	05/13/2025 01:54	WG2513456
Chlorobenzene	U		0.116	1.00	1	05/13/2025 01:54	WG2513456
Chlorodibromomethane	U		0.140	1.00	1	05/13/2025 01:54	WG2513456
Chloroethane	U		0.192	5.00	1	05/13/2025 01:54	WG2513456
Chloroform	U		0.111	5.00	1	05/13/2025 01:54	WG2513456
Chloromethane	U		0.960	2.50	1	05/13/2025 01:54	WG2513456
Dibromomethane	U		0.122	1.00	1	05/13/2025 01:54	WG2513456
1,2-Dibromoethane	U		0.126	1.00	1	05/13/2025 01:54	WG2513456
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	05/13/2025 01:54	WG2513456

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichlorobenzene	U		0.107	1.00	1	05/13/2025 01:54	WG2513456
1,4-Dichlorobenzene	U		0.120	1.00	1	05/13/2025 01:54	WG2513456
trans-1,4-Dichloro-2-butene	U	C3	0.467	2.50	1	05/13/2025 01:54	WG2513456
1,1-Dichloroethane	U		0.100	1.00	1	05/13/2025 01:54	WG2513456
1,2-Dichloroethane	U		0.0819	1.00	1	05/13/2025 01:54	WG2513456
1,1-Dichloroethene	U		0.188	1.00	1	05/13/2025 01:54	WG2513456
cis-1,2-Dichloroethene	U		0.126	1.00	1	05/13/2025 01:54	WG2513456
trans-1,2-Dichloroethene	U		0.149	1.00	1	05/13/2025 01:54	WG2513456
1,2-Dichloropropane	U		0.149	1.00	1	05/13/2025 01:54	WG2513456
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/13/2025 01:54	WG2513456
trans-1,3-Dichloropropene	U	C3	0.118	1.00	1	05/13/2025 01:54	WG2513456
Ethylbenzene	U		0.137	1.00	1	05/13/2025 01:54	WG2513456
2-Hexanone	U	C3	0.787	10.0	1	05/13/2025 01:54	WG2513456
Iodomethane	U		6.00	10.0	1	05/13/2025 01:54	WG2513456
2-Butanone (MEK)	U		1.19	10.0	1	05/13/2025 01:54	WG2513456
Methylene Chloride	U		0.430	5.00	1	05/13/2025 01:54	WG2513456
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/13/2025 01:54	WG2513456
Styrene	U		0.118	1.00	1	05/13/2025 01:54	WG2513456
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	05/13/2025 01:54	WG2513456
1,1,2,2-Tetrachloroethane	U	C3	0.133	1.00	1	05/13/2025 01:54	WG2513456
Tetrachloroethene	U		0.300	1.00	1	05/13/2025 01:54	WG2513456
Toluene	U		0.278	1.00	1	05/13/2025 01:54	WG2513456
1,1,1-Trichloroethane	U		0.149	1.00	1	05/13/2025 01:54	WG2513456
1,1,2-Trichloroethane	U		0.158	1.00	1	05/13/2025 01:54	WG2513456
Trichloroethene	U		0.190	1.00	1	05/13/2025 01:54	WG2513456
Trichlorofluoromethane	U		0.160	5.00	1	05/13/2025 01:54	WG2513456
1,2,3-Trichloropropane	U		0.237	2.50	1	05/13/2025 01:54	WG2513456
Vinyl acetate	U	C3	0.692	10.0	1	05/13/2025 01:54	WG2513456
Vinyl chloride	U		0.234	1.00	1	05/13/2025 01:54	WG2513456
Xylenes, Total	U		0.174	3.00	1	05/13/2025 01:54	WG2513456
(S) Toluene-d8	*96.2*			*80.0-120*		*05/13/2025 01:54*	WG2513456
(S) 4-Bromofluorobenzene	*95.6*			*77.0-126*		*05/13/2025 01:54*	WG2513456
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*05/13/2025 01:54*	WG2513456

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	326000		10000	1	05/11/2025 15:15	WG2512470

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	9840		547	1000	1	05/17/2025 20:01	WG2511984
Sulfate	28600		637	5000	1	05/17/2025 20:01	WG2511984

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	U		495	1000	1	05/11/2025 19:33	WG2512377

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	U		0.310	4.00	1	05/19/2025 19:32	WG2516825
Arsenic	1.22	J	0.120	2.00	1	05/19/2025 19:32	WG2516825
Barium	145		0.500	2.00	1	05/19/2025 19:32	WG2516825
Beryllium	U		0.200	2.00	1	05/19/2025 19:32	WG2516825
Cadmium	U		0.120	1.00	1	05/19/2025 19:32	WG2516825
Chromium	U		0.900	2.00	1	05/19/2025 19:32	WG2516825
Copper	U		0.700	5.00	1	05/19/2025 19:32	WG2516825
Cobalt	0.120	J	0.100	2.00	1	05/19/2025 19:32	WG2516825
Iron	861		22.6	100	1	05/19/2025 19:32	WG2516825
Lead	U		0.500	2.00	1	05/19/2025 19:32	WG2516825
Manganese	478		0.700	5.00	1	05/19/2025 19:32	WG2516825
Nickel	U		0.500	2.00	1	05/19/2025 19:32	WG2516825
Selenium	U		0.250	2.00	1	05/19/2025 19:32	WG2516825
Silver	U		0.110	2.00	1	05/19/2025 19:32	WG2516825
Thallium	U		0.130	2.00	1	05/19/2025 19:32	WG2516825
Vanadium	U		0.520	5.00	1	05/19/2025 19:32	WG2516825
Zinc	4.13	J	4.00	25.0	1	05/19/2025 19:32	WG2516825

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	05/13/2025 02:15	WG2513456
Acrylonitrile	U		0.671	10.0	1	05/13/2025 02:15	WG2513456
Benzene	U		0.0941	1.00	1	05/13/2025 02:15	WG2513456
Bromochloromethane	U		0.128	1.00	1	05/13/2025 02:15	WG2513456
Bromodichloromethane	U		0.136	1.00	1	05/13/2025 02:15	WG2513456
Bromoform	U		0.129	1.00	1	05/13/2025 02:15	WG2513456
Bromomethane	U		0.605	5.00	1	05/13/2025 02:15	WG2513456
Carbon disulfide	U		0.0962	1.00	1	05/13/2025 02:15	WG2513456
Carbon tetrachloride	U		0.128	1.00	1	05/13/2025 02:15	WG2513456
Chlorobenzene	U		0.116	1.00	1	05/13/2025 02:15	WG2513456
Chlorodibromomethane	U		0.140	1.00	1	05/13/2025 02:15	WG2513456
Chloroethane	U		0.192	5.00	1	05/13/2025 02:15	WG2513456
Chloroform	U		0.111	5.00	1	05/13/2025 02:15	WG2513456
Chloromethane	U		0.960	2.50	1	05/13/2025 02:15	WG2513456
Dibromomethane	U		0.122	1.00	1	05/13/2025 02:15	WG2513456
1,2-Dibromoethane	U		0.126	1.00	1	05/13/2025 02:15	WG2513456
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	05/13/2025 02:15	WG2513456

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichlorobenzene	U		0.107	1.00	1	05/13/2025 02:15	WG2513456
1,4-Dichlorobenzene	U		0.120	1.00	1	05/13/2025 02:15	WG2513456
trans-1,4-Dichloro-2-butene	U	C3	0.467	2.50	1	05/13/2025 02:15	WG2513456
1,1-Dichloroethane	U		0.100	1.00	1	05/13/2025 02:15	WG2513456
1,2-Dichloroethane	U		0.0819	1.00	1	05/13/2025 02:15	WG2513456
1,1-Dichloroethene	U		0.188	1.00	1	05/13/2025 02:15	WG2513456
cis-1,2-Dichloroethene	U		0.126	1.00	1	05/13/2025 02:15	WG2513456
trans-1,2-Dichloroethene	U		0.149	1.00	1	05/13/2025 02:15	WG2513456
1,2-Dichloropropane	U		0.149	1.00	1	05/13/2025 02:15	WG2513456
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/13/2025 02:15	WG2513456
trans-1,3-Dichloropropene	U	C3	0.118	1.00	1	05/13/2025 02:15	WG2513456
Ethylbenzene	U		0.137	1.00	1	05/13/2025 02:15	WG2513456
2-Hexanone	U	C3	0.787	10.0	1	05/13/2025 02:15	WG2513456
Iodomethane	U		6.00	10.0	1	05/13/2025 02:15	WG2513456
2-Butanone (MEK)	U		1.19	10.0	1	05/13/2025 02:15	WG2513456
Methylene Chloride	U		0.430	5.00	1	05/13/2025 02:15	WG2513456
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/13/2025 02:15	WG2513456
Styrene	U		0.118	1.00	1	05/13/2025 02:15	WG2513456
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	05/13/2025 02:15	WG2513456
1,1,2,2-Tetrachloroethane	U	C3	0.133	1.00	1	05/13/2025 02:15	WG2513456
Tetrachloroethene	U		0.300	1.00	1	05/13/2025 02:15	WG2513456
Toluene	U		0.278	1.00	1	05/13/2025 02:15	WG2513456
1,1,1-Trichloroethane	U		0.149	1.00	1	05/13/2025 02:15	WG2513456
1,1,2-Trichloroethane	U		0.158	1.00	1	05/13/2025 02:15	WG2513456
Trichloroethene	U		0.190	1.00	1	05/13/2025 02:15	WG2513456
Trichlorofluoromethane	U		0.160	5.00	1	05/13/2025 02:15	WG2513456
1,2,3-Trichloropropane	U		0.237	2.50	1	05/13/2025 02:15	WG2513456
Vinyl acetate	U	C3	0.692	10.0	1	05/13/2025 02:15	WG2513456
Vinyl chloride	U		0.234	1.00	1	05/13/2025 02:15	WG2513456
Xylenes, Total	U		0.174	3.00	1	05/13/2025 02:15	WG2513456
(S) Toluene-d8	*95.6*			*80.0-120*		*05/13/2025 02:15*	WG2513456
(S) 4-Bromofluorobenzene	*95.9*			*77.0-126*		*05/13/2025 02:15*	WG2513456
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*05/13/2025 02:15*	WG2513456

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	336000		10000	1	05/11/2025 15:15	WG2512470

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	9080		547	1000	1	05/17/2025 20:17	WG2511984
Sulfate	22500		637	5000	1	05/17/2025 20:17	WG2511984

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	710	J	495	1000	1	05/11/2025 20:43	WG2512377

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	U		0.310	4.00	1	05/19/2025 19:35	WG2516825
Arsenic	0.409	J	0.120	2.00	1	05/19/2025 19:35	WG2516825
Barium	144		0.500	2.00	1	05/19/2025 19:35	WG2516825
Beryllium	U		0.200	2.00	1	05/19/2025 19:35	WG2516825
Cadmium	U		0.120	1.00	1	05/19/2025 19:35	WG2516825
Chromium	U		0.900	2.00	1	05/19/2025 19:35	WG2516825
Copper	U		0.700	5.00	1	05/19/2025 19:35	WG2516825
Cobalt	U		0.100	2.00	1	05/19/2025 19:35	WG2516825
Iron	2620		22.6	100	1	05/19/2025 19:35	WG2516825
Lead	U		0.500	2.00	1	05/19/2025 19:35	WG2516825
Manganese	913		0.700	5.00	1	05/19/2025 19:35	WG2516825
Nickel	U		0.500	2.00	1	05/19/2025 19:35	WG2516825
Selenium	U		0.250	2.00	1	05/19/2025 19:35	WG2516825
Silver	U		0.110	2.00	1	05/19/2025 19:35	WG2516825
Thallium	U		0.130	2.00	1	05/19/2025 19:35	WG2516825
Vanadium	U		0.520	5.00	1	05/19/2025 19:35	WG2516825
Zinc	U		4.00	25.0	1	05/19/2025 19:35	WG2516825

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	05/13/2025 02:36	WG2513456
Acrylonitrile	U		0.671	10.0	1	05/13/2025 02:36	WG2513456
Benzene	0.0944	J	0.0941	1.00	1	05/13/2025 02:36	WG2513456
Bromochloromethane	U		0.128	1.00	1	05/13/2025 02:36	WG2513456
Bromodichloromethane	U		0.136	1.00	1	05/13/2025 02:36	WG2513456
Bromoform	U		0.129	1.00	1	05/13/2025 02:36	WG2513456
Bromomethane	U		0.605	5.00	1	05/13/2025 02:36	WG2513456
Carbon disulfide	U		0.0962	1.00	1	05/13/2025 02:36	WG2513456
Carbon tetrachloride	U		0.128	1.00	1	05/13/2025 02:36	WG2513456
Chlorobenzene	U		0.116	1.00	1	05/13/2025 02:36	WG2513456
Chlorodibromomethane	U		0.140	1.00	1	05/13/2025 02:36	WG2513456
Chloroethane	U		0.192	5.00	1	05/13/2025 02:36	WG2513456
Chloroform	U		0.111	5.00	1	05/13/2025 02:36	WG2513456
Chloromethane	U		0.960	2.50	1	05/13/2025 02:36	WG2513456
Dibromomethane	U		0.122	1.00	1	05/13/2025 02:36	WG2513456
1,2-Dibromoethane	U		0.126	1.00	1	05/13/2025 02:36	WG2513456
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	05/13/2025 02:36	WG2513456

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichlorobenzene	U		0.107	1.00	1	05/13/2025 02:36	WG2513456
1,4-Dichlorobenzene	U		0.120	1.00	1	05/13/2025 02:36	WG2513456
trans-1,4-Dichloro-2-butene	U	C3	0.467	2.50	1	05/13/2025 02:36	WG2513456
1,1-Dichloroethane	1.71		0.100	1.00	1	05/13/2025 02:36	WG2513456
1,2-Dichloroethane	U		0.0819	1.00	1	05/13/2025 02:36	WG2513456
1,1-Dichloroethene	U		0.188	1.00	1	05/13/2025 02:36	WG2513456
cis-1,2-Dichloroethene	0.482	J	0.126	1.00	1	05/13/2025 02:36	WG2513456
trans-1,2-Dichloroethene	U		0.149	1.00	1	05/13/2025 02:36	WG2513456
1,2-Dichloropropane	U		0.149	1.00	1	05/13/2025 02:36	WG2513456
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/13/2025 02:36	WG2513456
trans-1,3-Dichloropropene	U	C3	0.118	1.00	1	05/13/2025 02:36	WG2513456
Ethylbenzene	U		0.137	1.00	1	05/13/2025 02:36	WG2513456
2-Hexanone	U	C3	0.787	10.0	1	05/13/2025 02:36	WG2513456
Iodomethane	U		6.00	10.0	1	05/13/2025 02:36	WG2513456
2-Butanone (MEK)	U		1.19	10.0	1	05/13/2025 02:36	WG2513456
Methylene Chloride	U		0.430	5.00	1	05/13/2025 02:36	WG2513456
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/13/2025 02:36	WG2513456
Styrene	U		0.118	1.00	1	05/13/2025 02:36	WG2513456
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	05/13/2025 02:36	WG2513456
1,1,2,2-Tetrachloroethane	U	C3	0.133	1.00	1	05/13/2025 02:36	WG2513456
Tetrachloroethene	U		0.300	1.00	1	05/13/2025 02:36	WG2513456
Toluene	U		0.278	1.00	1	05/13/2025 02:36	WG2513456
1,1,1-Trichloroethane	U		0.149	1.00	1	05/13/2025 02:36	WG2513456
1,1,2-Trichloroethane	U		0.158	1.00	1	05/13/2025 02:36	WG2513456
Trichloroethene	U		0.190	1.00	1	05/13/2025 02:36	WG2513456
Trichlorofluoromethane	U		0.160	5.00	1	05/13/2025 02:36	WG2513456
1,2,3-Trichloropropane	U		0.237	2.50	1	05/13/2025 02:36	WG2513456
Vinyl acetate	U	C3	0.692	10.0	1	05/13/2025 02:36	WG2513456
Vinyl chloride	U		0.234	1.00	1	05/13/2025 02:36	WG2513456
Xylenes, Total	U		0.174	3.00	1	05/13/2025 02:36	WG2513456
(S) Toluene-d8	*95.3*			*80.0-120*		*05/13/2025 02:36*	WG2513456
(S) 4-Bromofluorobenzene	*97.2*			*77.0-126*		*05/13/2025 02:36*	WG2513456
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*05/13/2025 02:36*	WG2513456

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	556000		10000	1	05/11/2025 15:15	WG2512470

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	7980		547	1000	1	05/17/2025 20:33	WG2511984
Sulfate	121000		3180	25000	5	05/19/2025 11:41	WG2511984

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	749	J	495	1000	1	05/11/2025 21:24	WG2512377

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	U		0.310	4.00	1	05/19/2025 19:39	WG2516825
Arsenic	6.99		0.120	2.00	1	05/19/2025 19:39	WG2516825
Barium	239		0.500	2.00	1	05/19/2025 19:39	WG2516825
Beryllium	U		0.200	2.00	1	05/19/2025 19:39	WG2516825
Cadmium	U		0.120	1.00	1	05/19/2025 19:39	WG2516825
Chromium	U		0.900	2.00	1	05/19/2025 19:39	WG2516825
Copper	2.22	J	0.700	5.00	1	05/19/2025 19:39	WG2516825
Cobalt	1.05	J	0.100	2.00	1	05/19/2025 19:39	WG2516825
Iron	4440		22.6	100	1	05/19/2025 19:39	WG2516825
Lead	0.518	J	0.500	2.00	1	05/19/2025 19:39	WG2516825
Manganese	1130		0.700	5.00	1	05/19/2025 19:39	WG2516825
Nickel	1.22	J	0.500	2.00	1	05/19/2025 19:39	WG2516825
Selenium	U		0.250	2.00	1	05/19/2025 19:39	WG2516825
Silver	U		0.110	2.00	1	05/19/2025 19:39	WG2516825
Thallium	U		0.130	2.00	1	05/19/2025 19:39	WG2516825
Vanadium	U		0.520	5.00	1	05/19/2025 19:39	WG2516825
Zinc	17.7	J	4.00	25.0	1	05/19/2025 19:39	WG2516825

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	05/12/2025 22:21	WG2513387
Acrylonitrile	U		0.671	10.0	1	05/12/2025 22:21	WG2513387
Benzene	0.161	J	0.0941	1.00	1	05/12/2025 22:21	WG2513387
Bromochloromethane	U		0.128	1.00	1	05/12/2025 22:21	WG2513387
Bromodichloromethane	U		0.136	1.00	1	05/12/2025 22:21	WG2513387
Bromoform	U		0.129	1.00	1	05/12/2025 22:21	WG2513387
Bromomethane	U		0.605	5.00	1	05/12/2025 22:21	WG2513387
Carbon disulfide	U		0.0962	1.00	1	05/12/2025 22:21	WG2513387
Carbon tetrachloride	U		0.128	1.00	1	05/12/2025 22:21	WG2513387
Chlorobenzene	U		0.116	1.00	1	05/12/2025 22:21	WG2513387
Chlorodibromomethane	U		0.140	1.00	1	05/12/2025 22:21	WG2513387
Chloroethane	U		0.192	5.00	1	05/12/2025 22:21	WG2513387
Chloroform	U		0.111	5.00	1	05/12/2025 22:21	WG2513387
Chloromethane	U		0.960	2.50	1	05/12/2025 22:21	WG2513387
Dibromomethane	U		0.122	1.00	1	05/12/2025 22:21	WG2513387
1,2-Dibromoethane	U		0.126	1.00	1	05/12/2025 22:21	WG2513387
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	05/12/2025 22:21	WG2513387

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichlorobenzene	U		0.107	1.00	1	05/12/2025 22:21	WG2513387
1,4-Dichlorobenzene	U		0.120	1.00	1	05/12/2025 22:21	WG2513387
trans-1,4-Dichloro-2-butene	U	J3	0.467	2.50	1	05/12/2025 22:21	WG2513387
1,1-Dichloroethane	0.283	J	0.100	1.00	1	05/12/2025 22:21	WG2513387
1,2-Dichloroethane	U		0.0819	1.00	1	05/12/2025 22:21	WG2513387
1,1-Dichloroethene	U		0.188	1.00	1	05/12/2025 22:21	WG2513387
cis-1,2-Dichloroethene	0.430	J	0.126	1.00	1	05/12/2025 22:21	WG2513387
trans-1,2-Dichloroethene	U		0.149	1.00	1	05/12/2025 22:21	WG2513387
1,2-Dichloropropane	U		0.149	1.00	1	05/12/2025 22:21	WG2513387
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/12/2025 22:21	WG2513387
trans-1,3-Dichloropropene	U		0.118	1.00	1	05/12/2025 22:21	WG2513387
Ethylbenzene	U		0.137	1.00	1	05/12/2025 22:21	WG2513387
2-Hexanone	U		0.787	10.0	1	05/12/2025 22:21	WG2513387
Iodomethane	U		6.00	10.0	1	05/12/2025 22:21	WG2513387
2-Butanone (MEK)	U		1.19	10.0	1	05/12/2025 22:21	WG2513387
Methylene Chloride	U		0.430	5.00	1	05/12/2025 22:21	WG2513387
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/12/2025 22:21	WG2513387
Styrene	U		0.118	1.00	1	05/12/2025 22:21	WG2513387
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	05/12/2025 22:21	WG2513387
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	05/12/2025 22:21	WG2513387
Tetrachloroethene	U		0.300	1.00	1	05/12/2025 22:21	WG2513387
Toluene	U		0.278	1.00	1	05/12/2025 22:21	WG2513387
1,1,1-Trichloroethane	U		0.149	1.00	1	05/12/2025 22:21	WG2513387
1,1,2-Trichloroethane	U		0.158	1.00	1	05/12/2025 22:21	WG2513387
Trichloroethene	U		0.190	1.00	1	05/12/2025 22:21	WG2513387
Trichlorofluoromethane	U		0.160	5.00	1	05/12/2025 22:21	WG2513387
1,2,3-Trichloropropane	U		0.237	2.50	1	05/12/2025 22:21	WG2513387
Vinyl acetate	U		0.692	10.0	1	05/12/2025 22:21	WG2513387
Vinyl chloride	U		0.234	1.00	1	05/12/2025 22:21	WG2513387
Xylenes, Total	U		0.174	3.00	1	05/12/2025 22:21	WG2513387
(S) Toluene-d8	*104*			*80.0-120*		*05/12/2025 22:21*	WG2513387
(S) 4-Bromofluorobenzene	*93.9*			*77.0-126*		*05/12/2025 22:21*	WG2513387
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*		*05/12/2025 22:21*	WG2513387

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	202000		10000	1	05/13/2025 09:33	WG2512423

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	3540		547	1000	1	05/17/2025 20:49	WG2511984
Sulfate	3720	J	637	5000	1	05/17/2025 20:49	WG2511984

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	668	J	495	1000	1	05/11/2025 21:44	WG2512377

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	U		0.310	4.00	1	05/19/2025 19:42	WG2516825
Arsenic	9.74		0.120	2.00	1	05/19/2025 19:42	WG2516825
Barium	87.9		0.500	2.00	1	05/19/2025 19:42	WG2516825
Beryllium	U		0.200	2.00	1	05/19/2025 19:42	WG2516825
Cadmium	U		0.120	1.00	1	05/19/2025 19:42	WG2516825
Chromium	U		0.900	2.00	1	05/19/2025 19:42	WG2516825
Copper	U		0.700	5.00	1	05/19/2025 19:42	WG2516825
Cobalt	U		0.100	2.00	1	05/19/2025 19:42	WG2516825
Iron	4630		22.6	100	1	05/19/2025 19:42	WG2516825
Lead	U		0.500	2.00	1	05/19/2025 19:42	WG2516825
Manganese	249		0.700	5.00	1	05/19/2025 19:42	WG2516825
Nickel	U		0.500	2.00	1	05/19/2025 19:42	WG2516825
Selenium	U		0.250	2.00	1	05/19/2025 19:42	WG2516825
Silver	U		0.110	2.00	1	05/19/2025 19:42	WG2516825
Thallium	U		0.130	2.00	1	05/19/2025 19:42	WG2516825
Vanadium	U		0.520	5.00	1	05/19/2025 19:42	WG2516825
Zinc	U		4.00	25.0	1	05/19/2025 19:42	WG2516825

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	05/13/2025 02:57	WG2513456
Acrylonitrile	U		0.671	10.0	1	05/13/2025 02:57	WG2513456
Benzene	U		0.0941	1.00	1	05/13/2025 02:57	WG2513456
Bromochloromethane	U		0.128	1.00	1	05/13/2025 02:57	WG2513456
Bromodichloromethane	U		0.136	1.00	1	05/13/2025 02:57	WG2513456
Bromoform	U		0.129	1.00	1	05/13/2025 02:57	WG2513456
Bromomethane	U		0.605	5.00	1	05/13/2025 02:57	WG2513456
Carbon disulfide	U		0.0962	1.00	1	05/13/2025 02:57	WG2513456
Carbon tetrachloride	U		0.128	1.00	1	05/13/2025 02:57	WG2513456
Chlorobenzene	U		0.116	1.00	1	05/13/2025 02:57	WG2513456
Chlorodibromomethane	U		0.140	1.00	1	05/13/2025 02:57	WG2513456
Chloroethane	U		0.192	5.00	1	05/13/2025 02:57	WG2513456
Chloroform	U		0.111	5.00	1	05/13/2025 02:57	WG2513456
Chloromethane	U		0.960	2.50	1	05/13/2025 02:57	WG2513456
Dibromomethane	U		0.122	1.00	1	05/13/2025 02:57	WG2513456
1,2-Dibromoethane	U		0.126	1.00	1	05/13/2025 02:57	WG2513456
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	05/13/2025 02:57	WG2513456

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichlorobenzene	U		0.107	1.00	1	05/13/2025 02:57	WG2513456
1,4-Dichlorobenzene	U		0.120	1.00	1	05/13/2025 02:57	WG2513456
trans-1,4-Dichloro-2-butene	U	C3	0.467	2.50	1	05/13/2025 02:57	WG2513456
1,1-Dichloroethane	U		0.100	1.00	1	05/13/2025 02:57	WG2513456
1,2-Dichloroethane	U		0.0819	1.00	1	05/13/2025 02:57	WG2513456
1,1-Dichloroethene	U		0.188	1.00	1	05/13/2025 02:57	WG2513456
cis-1,2-Dichloroethene	U		0.126	1.00	1	05/13/2025 02:57	WG2513456
trans-1,2-Dichloroethene	U		0.149	1.00	1	05/13/2025 02:57	WG2513456
1,2-Dichloropropane	U		0.149	1.00	1	05/13/2025 02:57	WG2513456
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/13/2025 02:57	WG2513456
trans-1,3-Dichloropropene	U	C3	0.118	1.00	1	05/13/2025 02:57	WG2513456
Ethylbenzene	U		0.137	1.00	1	05/13/2025 02:57	WG2513456
2-Hexanone	U	C3	0.787	10.0	1	05/13/2025 02:57	WG2513456
Iodomethane	U		6.00	10.0	1	05/13/2025 02:57	WG2513456
2-Butanone (MEK)	U		1.19	10.0	1	05/13/2025 02:57	WG2513456
Methylene Chloride	U		0.430	5.00	1	05/13/2025 02:57	WG2513456
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/13/2025 02:57	WG2513456
Styrene	U		0.118	1.00	1	05/13/2025 02:57	WG2513456
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	05/13/2025 02:57	WG2513456
1,1,2,2-Tetrachloroethane	U	C3	0.133	1.00	1	05/13/2025 02:57	WG2513456
Tetrachloroethene	U		0.300	1.00	1	05/13/2025 02:57	WG2513456
Toluene	U		0.278	1.00	1	05/13/2025 02:57	WG2513456
1,1,1-Trichloroethane	U		0.149	1.00	1	05/13/2025 02:57	WG2513456
1,1,2-Trichloroethane	U		0.158	1.00	1	05/13/2025 02:57	WG2513456
Trichloroethene	U		0.190	1.00	1	05/13/2025 02:57	WG2513456
Trichlorofluoromethane	U		0.160	5.00	1	05/13/2025 02:57	WG2513456
1,2,3-Trichloropropane	U		0.237	2.50	1	05/13/2025 02:57	WG2513456
Vinyl acetate	U	C3	0.692	10.0	1	05/13/2025 02:57	WG2513456
Vinyl chloride	U		0.234	1.00	1	05/13/2025 02:57	WG2513456
Xylenes, Total	U		0.174	3.00	1	05/13/2025 02:57	WG2513456
(S) Toluene-d8	*97.1*			*80.0-120*		*05/13/2025 02:57*	WG2513456
(S) 4-Bromofluorobenzene	*97.4*			*77.0-126*		*05/13/2025 02:57*	WG2513456
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*05/13/2025 02:57*	WG2513456

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	347000		10000	1	05/13/2025 09:33	WG2512423

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	9960		547	1000	1	05/17/2025 21:05	WG2511984
Sulfate	26500		637	5000	1	05/17/2025 21:05	WG2511984

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	656	J	495	1000	1	05/11/2025 22:04	WG2512377

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	U		0.310	4.00	1	05/19/2025 23:08	WG2516831
Arsenic	0.951	J	0.120	2.00	1	05/19/2025 23:08	WG2516831
Barium	166		0.500	2.00	1	05/19/2025 23:08	WG2516831
Beryllium	U		0.200	2.00	1	05/19/2025 23:08	WG2516831
Cadmium	U		0.120	1.00	1	05/19/2025 23:08	WG2516831
Chromium	U		0.900	2.00	1	05/19/2025 23:08	WG2516831
Copper	U		0.700	5.00	1	05/19/2025 23:08	WG2516831
Cobalt	U		0.100	2.00	1	05/19/2025 23:08	WG2516831
Iron	3300		22.6	100	1	05/19/2025 23:08	WG2516831
Lead	U		0.500	2.00	1	05/19/2025 23:08	WG2516831
Manganese	364		0.700	5.00	1	05/19/2025 23:08	WG2516831
Nickel	U		0.500	2.00	1	05/19/2025 23:08	WG2516831
Selenium	U		0.250	2.00	1	05/19/2025 23:08	WG2516831
Silver	U		0.110	2.00	1	05/19/2025 23:08	WG2516831
Thallium	U		0.130	2.00	1	05/19/2025 23:08	WG2516831
Vanadium	U		0.520	5.00	1	05/19/2025 23:08	WG2516831
Zinc	U		4.00	25.0	1	05/19/2025 23:08	WG2516831

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	05/12/2025 22:40	WG2513387
Acrylonitrile	U		0.671	10.0	1	05/12/2025 22:40	WG2513387
Benzene	U		0.0941	1.00	1	05/12/2025 22:40	WG2513387
Bromochloromethane	U		0.128	1.00	1	05/12/2025 22:40	WG2513387
Bromodichloromethane	U		0.136	1.00	1	05/12/2025 22:40	WG2513387
Bromoform	U		0.129	1.00	1	05/12/2025 22:40	WG2513387
Bromomethane	U		0.605	5.00	1	05/12/2025 22:40	WG2513387
Carbon disulfide	U		0.0962	1.00	1	05/12/2025 22:40	WG2513387
Carbon tetrachloride	U		0.128	1.00	1	05/12/2025 22:40	WG2513387
Chlorobenzene	U		0.116	1.00	1	05/12/2025 22:40	WG2513387
Chlorodibromomethane	U		0.140	1.00	1	05/12/2025 22:40	WG2513387
Chloroethane	U		0.192	5.00	1	05/12/2025 22:40	WG2513387
Chloroform	U		0.111	5.00	1	05/12/2025 22:40	WG2513387
Chloromethane	U		0.960	2.50	1	05/12/2025 22:40	WG2513387
Dibromomethane	U		0.122	1.00	1	05/12/2025 22:40	WG2513387
1,2-Dibromoethane	U		0.126	1.00	1	05/12/2025 22:40	WG2513387
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	05/12/2025 22:40	WG2513387

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichlorobenzene	U		0.107	1.00	1	05/12/2025 22:40	WG2513387
1,4-Dichlorobenzene	U		0.120	1.00	1	05/12/2025 22:40	WG2513387
trans-1,4-Dichloro-2-butene	U	J3	0.467	2.50	1	05/12/2025 22:40	WG2513387
1,1-Dichloroethane	U		0.100	1.00	1	05/12/2025 22:40	WG2513387
1,2-Dichloroethane	U		0.0819	1.00	1	05/12/2025 22:40	WG2513387
1,1-Dichloroethene	U		0.188	1.00	1	05/12/2025 22:40	WG2513387
cis-1,2-Dichloroethene	U		0.126	1.00	1	05/12/2025 22:40	WG2513387
trans-1,2-Dichloroethene	U		0.149	1.00	1	05/12/2025 22:40	WG2513387
1,2-Dichloropropane	U		0.149	1.00	1	05/12/2025 22:40	WG2513387
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/12/2025 22:40	WG2513387
trans-1,3-Dichloropropene	U		0.118	1.00	1	05/12/2025 22:40	WG2513387
Ethylbenzene	U		0.137	1.00	1	05/12/2025 22:40	WG2513387
2-Hexanone	U		0.787	10.0	1	05/12/2025 22:40	WG2513387
Iodomethane	U		6.00	10.0	1	05/12/2025 22:40	WG2513387
2-Butanone (MEK)	U		1.19	10.0	1	05/12/2025 22:40	WG2513387
Methylene Chloride	U		0.430	5.00	1	05/12/2025 22:40	WG2513387
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/12/2025 22:40	WG2513387
Styrene	U		0.118	1.00	1	05/12/2025 22:40	WG2513387
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	05/12/2025 22:40	WG2513387
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	05/12/2025 22:40	WG2513387
Tetrachloroethene	U		0.300	1.00	1	05/12/2025 22:40	WG2513387
Toluene	U		0.278	1.00	1	05/12/2025 22:40	WG2513387
1,1,1-Trichloroethane	U		0.149	1.00	1	05/12/2025 22:40	WG2513387
1,1,2-Trichloroethane	U		0.158	1.00	1	05/12/2025 22:40	WG2513387
Trichloroethene	U		0.190	1.00	1	05/12/2025 22:40	WG2513387
Trichlorofluoromethane	U		0.160	5.00	1	05/12/2025 22:40	WG2513387
1,2,3-Trichloropropane	U		0.237	2.50	1	05/12/2025 22:40	WG2513387
Vinyl acetate	U		0.692	10.0	1	05/12/2025 22:40	WG2513387
Vinyl chloride	U		0.234	1.00	1	05/12/2025 22:40	WG2513387
Xylenes, Total	U		0.174	3.00	1	05/12/2025 22:40	WG2513387
(S) Toluene-d8	*100*			*80.0-120*		*05/12/2025 22:40*	WG2513387
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*05/12/2025 22:40*	WG2513387
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*05/12/2025 22:40*	WG2513387

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	409000		10000	1	05/13/2025 09:33	WG2512423

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	19500		547	1000	1	05/16/2025 15:28	WG2512053
Sulfate	57200	J6	637	5000	1	05/16/2025 15:28	WG2512053

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	767	J	495	1000	1	05/11/2025 22:24	WG2512377

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	U		0.310	4.00	1	05/19/2025 23:11	WG2516831
Arsenic	0.606	J	0.120	2.00	1	05/19/2025 23:11	WG2516831
Barium	192		0.500	2.00	1	05/19/2025 23:11	WG2516831
Beryllium	U		0.200	2.00	1	05/19/2025 23:11	WG2516831
Cadmium	U		0.120	1.00	1	05/19/2025 23:11	WG2516831
Chromium	U		0.900	2.00	1	05/19/2025 23:11	WG2516831
Copper	0.708	J	0.700	5.00	1	05/19/2025 23:11	WG2516831
Cobalt	U		0.100	2.00	1	05/19/2025 23:11	WG2516831
Iron	4030		22.6	100	1	05/19/2025 23:11	WG2516831
Lead	U		0.500	2.00	1	05/19/2025 23:11	WG2516831
Manganese	454		0.700	5.00	1	05/19/2025 23:11	WG2516831
Nickel	0.554	J	0.500	2.00	1	05/19/2025 23:11	WG2516831
Selenium	U		0.250	2.00	1	05/19/2025 23:11	WG2516831
Silver	U		0.110	2.00	1	05/19/2025 23:11	WG2516831
Thallium	U		0.130	2.00	1	05/19/2025 23:11	WG2516831
Vanadium	U		0.520	5.00	1	05/19/2025 23:11	WG2516831
Zinc	U		4.00	25.0	1	05/19/2025 23:11	WG2516831

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	05/12/2025 22:59	WG2513387
Acrylonitrile	U		0.671	10.0	1	05/12/2025 22:59	WG2513387
Benzene	U		0.0941	1.00	1	05/12/2025 22:59	WG2513387
Bromochloromethane	U		0.128	1.00	1	05/12/2025 22:59	WG2513387
Bromodichloromethane	U		0.136	1.00	1	05/12/2025 22:59	WG2513387
Bromoform	U		0.129	1.00	1	05/12/2025 22:59	WG2513387
Bromomethane	U		0.605	5.00	1	05/12/2025 22:59	WG2513387
Carbon disulfide	U		0.0962	1.00	1	05/12/2025 22:59	WG2513387
Carbon tetrachloride	U		0.128	1.00	1	05/12/2025 22:59	WG2513387
Chlorobenzene	U		0.116	1.00	1	05/12/2025 22:59	WG2513387
Chlorodibromomethane	U		0.140	1.00	1	05/12/2025 22:59	WG2513387
Chloroethane	U		0.192	5.00	1	05/12/2025 22:59	WG2513387
Chloroform	U		0.111	5.00	1	05/12/2025 22:59	WG2513387
Chloromethane	U		0.960	2.50	1	05/12/2025 22:59	WG2513387
Dibromomethane	U		0.122	1.00	1	05/12/2025 22:59	WG2513387
1,2-Dibromoethane	U		0.126	1.00	1	05/12/2025 22:59	WG2513387
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	05/12/2025 22:59	WG2513387

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichlorobenzene	U		0.107	1.00	1	05/12/2025 22:59	WG2513387
1,4-Dichlorobenzene	U		0.120	1.00	1	05/12/2025 22:59	WG2513387
trans-1,4-Dichloro-2-butene	U	J3	0.467	2.50	1	05/12/2025 22:59	WG2513387
1,1-Dichloroethane	U		0.100	1.00	1	05/12/2025 22:59	WG2513387
1,2-Dichloroethane	U		0.0819	1.00	1	05/12/2025 22:59	WG2513387
1,1-Dichloroethene	U		0.188	1.00	1	05/12/2025 22:59	WG2513387
cis-1,2-Dichloroethene	U		0.126	1.00	1	05/12/2025 22:59	WG2513387
trans-1,2-Dichloroethene	U		0.149	1.00	1	05/12/2025 22:59	WG2513387
1,2-Dichloropropane	U		0.149	1.00	1	05/12/2025 22:59	WG2513387
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/12/2025 22:59	WG2513387
trans-1,3-Dichloropropene	U		0.118	1.00	1	05/12/2025 22:59	WG2513387
Ethylbenzene	U		0.137	1.00	1	05/12/2025 22:59	WG2513387
2-Hexanone	U		0.787	10.0	1	05/12/2025 22:59	WG2513387
Iodomethane	U		6.00	10.0	1	05/12/2025 22:59	WG2513387
2-Butanone (MEK)	U		1.19	10.0	1	05/12/2025 22:59	WG2513387
Methylene Chloride	U		0.430	5.00	1	05/12/2025 22:59	WG2513387
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/12/2025 22:59	WG2513387
Styrene	U		0.118	1.00	1	05/12/2025 22:59	WG2513387
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	05/12/2025 22:59	WG2513387
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	05/12/2025 22:59	WG2513387
Tetrachloroethene	U		0.300	1.00	1	05/12/2025 22:59	WG2513387
Toluene	U		0.278	1.00	1	05/12/2025 22:59	WG2513387
1,1,1-Trichloroethane	U		0.149	1.00	1	05/12/2025 22:59	WG2513387
1,1,2-Trichloroethane	U		0.158	1.00	1	05/12/2025 22:59	WG2513387
Trichloroethene	U		0.190	1.00	1	05/12/2025 22:59	WG2513387
Trichlorofluoromethane	U		0.160	5.00	1	05/12/2025 22:59	WG2513387
1,2,3-Trichloropropane	U		0.237	2.50	1	05/12/2025 22:59	WG2513387
Vinyl acetate	U		0.692	10.0	1	05/12/2025 22:59	WG2513387
Vinyl chloride	U		0.234	1.00	1	05/12/2025 22:59	WG2513387
Xylenes, Total	U		0.174	3.00	1	05/12/2025 22:59	WG2513387
(S) Toluene-d8	*99.1*			*80.0-120*		*05/12/2025 22:59*	WG2513387
(S) 4-Bromofluorobenzene	*90.7*			*77.0-126*		*05/12/2025 22:59*	WG2513387
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*05/12/2025 22:59*	WG2513387

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

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	586000		10000	1	05/13/2025 09:49	WG2512418

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	37600		547	1000	1	05/16/2025 16:22	WG2512053
Sulfate	61000		637	5000	1	05/16/2025 16:22	WG2512053

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	613	J	495	1000	1	05/11/2025 22:44	WG2512377

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	0.736	J	0.310	4.00	1	05/19/2025 23:14	WG2516831
Arsenic	3.99		0.120	2.00	1	05/19/2025 23:14	WG2516831
Barium	335		0.500	2.00	1	05/19/2025 23:14	WG2516831
Beryllium	U		0.200	2.00	1	05/19/2025 23:14	WG2516831
Cadmium	U		0.120	1.00	1	05/19/2025 23:14	WG2516831
Chromium	U		0.900	2.00	1	05/19/2025 23:14	WG2516831
Copper	U		0.700	5.00	1	05/19/2025 23:14	WG2516831
Cobalt	0.940	J	0.100	2.00	1	05/19/2025 23:14	WG2516831
Iron	16700		22.6	100	1	05/19/2025 23:14	WG2516831
Lead	U		0.500	2.00	1	05/19/2025 23:14	WG2516831
Manganese	487		0.700	5.00	1	05/19/2025 23:14	WG2516831
Nickel	0.671	J	0.500	2.00	1	05/19/2025 23:14	WG2516831
Selenium	U		0.250	2.00	1	05/19/2025 23:14	WG2516831
Silver	U		0.110	2.00	1	05/19/2025 23:14	WG2516831
Thallium	U		0.130	2.00	1	05/19/2025 23:14	WG2516831
Vanadium	U		0.520	5.00	1	05/19/2025 23:14	WG2516831
Zinc	U		4.00	25.0	1	05/19/2025 23:14	WG2516831

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	05/13/2025 03:18	WG2513456
Acrylonitrile	U		0.671	10.0	1	05/13/2025 03:18	WG2513456
Benzene	U		0.0941	1.00	1	05/13/2025 03:18	WG2513456
Bromochloromethane	U		0.128	1.00	1	05/13/2025 03:18	WG2513456
Bromodichloromethane	U		0.136	1.00	1	05/13/2025 03:18	WG2513456
Bromoform	U		0.129	1.00	1	05/13/2025 03:18	WG2513456
Bromomethane	U		0.605	5.00	1	05/13/2025 03:18	WG2513456
Carbon disulfide	U		0.0962	1.00	1	05/13/2025 03:18	WG2513456
Carbon tetrachloride	U		0.128	1.00	1	05/13/2025 03:18	WG2513456
Chlorobenzene	U		0.116	1.00	1	05/13/2025 03:18	WG2513456
Chlorodibromomethane	U		0.140	1.00	1	05/13/2025 03:18	WG2513456
Chloroethane	U		0.192	5.00	1	05/13/2025 03:18	WG2513456
Chloroform	U		0.111	5.00	1	05/13/2025 03:18	WG2513456
Chloromethane	U		0.960	2.50	1	05/13/2025 03:18	WG2513456
Dibromomethane	U		0.122	1.00	1	05/13/2025 03:18	WG2513456
1,2-Dibromoethane	U		0.126	1.00	1	05/13/2025 03:18	WG2513456
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	05/13/2025 03:18	WG2513456

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichlorobenzene	U		0.107	1.00	1	05/13/2025 03:18	WG2513456
1,4-Dichlorobenzene	U		0.120	1.00	1	05/13/2025 03:18	WG2513456
trans-1,4-Dichloro-2-butene	U	C3	0.467	2.50	1	05/13/2025 03:18	WG2513456
1,1-Dichloroethane	U		0.100	1.00	1	05/13/2025 03:18	WG2513456
1,2-Dichloroethane	U		0.0819	1.00	1	05/13/2025 03:18	WG2513456
1,1-Dichloroethene	U		0.188	1.00	1	05/13/2025 03:18	WG2513456
cis-1,2-Dichloroethene	U		0.126	1.00	1	05/13/2025 03:18	WG2513456
trans-1,2-Dichloroethene	U		0.149	1.00	1	05/13/2025 03:18	WG2513456
1,2-Dichloropropane	U		0.149	1.00	1	05/13/2025 03:18	WG2513456
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/13/2025 03:18	WG2513456
trans-1,3-Dichloropropene	U	C3	0.118	1.00	1	05/13/2025 03:18	WG2513456
Ethylbenzene	U		0.137	1.00	1	05/13/2025 03:18	WG2513456
2-Hexanone	U	C3	0.787	10.0	1	05/13/2025 03:18	WG2513456
Iodomethane	U		6.00	10.0	1	05/13/2025 03:18	WG2513456
2-Butanone (MEK)	U		1.19	10.0	1	05/13/2025 03:18	WG2513456
Methylene Chloride	U		0.430	5.00	1	05/13/2025 03:18	WG2513456
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/13/2025 03:18	WG2513456
Styrene	U		0.118	1.00	1	05/13/2025 03:18	WG2513456
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	05/13/2025 03:18	WG2513456
1,1,2,2-Tetrachloroethane	U	C3	0.133	1.00	1	05/13/2025 03:18	WG2513456
Tetrachloroethene	U		0.300	1.00	1	05/13/2025 03:18	WG2513456
Toluene	U		0.278	1.00	1	05/13/2025 03:18	WG2513456
1,1,1-Trichloroethane	U		0.149	1.00	1	05/13/2025 03:18	WG2513456
1,1,2-Trichloroethane	U		0.158	1.00	1	05/13/2025 03:18	WG2513456
Trichloroethene	U		0.190	1.00	1	05/13/2025 03:18	WG2513456
Trichlorofluoromethane	U		0.160	5.00	1	05/13/2025 03:18	WG2513456
1,2,3-Trichloropropane	U		0.237	2.50	1	05/13/2025 03:18	WG2513456
Vinyl acetate	U	C3	0.692	10.0	1	05/13/2025 03:18	WG2513456
Vinyl chloride	U		0.234	1.00	1	05/13/2025 03:18	WG2513456
Xylenes, Total	U		0.174	3.00	1	05/13/2025 03:18	WG2513456
(S) Toluene-d8	*96.4*			*80.0-120*		*05/13/2025 03:18*	WG2513456
(S) 4-Bromofluorobenzene	*97.0*			*77.0-126*		*05/13/2025 03:18*	WG2513456
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*05/13/2025 03:18*	WG2513456

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	490000		10000	1	05/13/2025 09:49	WG2512418

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	33900		547	1000	1	05/16/2025 16:36	WG2512053
Sulfate	62400		637	5000	1	05/16/2025 16:36	WG2512053

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	700	J	495	1000	1	05/11/2025 23:04	WG2512377

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	U		0.310	4.00	1	05/19/2025 23:17	WG2516831
Arsenic	0.617	J	0.120	2.00	1	05/19/2025 23:17	WG2516831
Barium	230		0.500	2.00	1	05/19/2025 23:17	WG2516831
Beryllium	U		0.200	2.00	1	05/19/2025 23:17	WG2516831
Cadmium	U		0.120	1.00	1	05/19/2025 23:17	WG2516831
Chromium	U		0.900	2.00	1	05/19/2025 23:17	WG2516831
Copper	U		0.700	5.00	1	05/19/2025 23:17	WG2516831
Cobalt	U		0.100	2.00	1	05/19/2025 23:17	WG2516831
Iron	4790		22.6	100	1	05/19/2025 23:17	WG2516831
Lead	U		0.500	2.00	1	05/19/2025 23:17	WG2516831
Manganese	602		0.700	5.00	1	05/19/2025 23:17	WG2516831
Nickel	U		0.500	2.00	1	05/19/2025 23:17	WG2516831
Selenium	U		0.250	2.00	1	05/19/2025 23:17	WG2516831
Silver	U		0.110	2.00	1	05/19/2025 23:17	WG2516831
Thallium	U		0.130	2.00	1	05/19/2025 23:17	WG2516831
Vanadium	U		0.520	5.00	1	05/19/2025 23:17	WG2516831
Zinc	U		4.00	25.0	1	05/19/2025 23:17	WG2516831

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	05/12/2025 23:18	WG2513387
Acrylonitrile	U		0.671	10.0	1	05/12/2025 23:18	WG2513387
Benzene	U		0.0941	1.00	1	05/12/2025 23:18	WG2513387
Bromochloromethane	U		0.128	1.00	1	05/12/2025 23:18	WG2513387
Bromodichloromethane	U		0.136	1.00	1	05/12/2025 23:18	WG2513387
Bromoform	U		0.129	1.00	1	05/12/2025 23:18	WG2513387
Bromomethane	U		0.605	5.00	1	05/12/2025 23:18	WG2513387
Carbon disulfide	U		0.0962	1.00	1	05/12/2025 23:18	WG2513387
Carbon tetrachloride	U		0.128	1.00	1	05/12/2025 23:18	WG2513387
Chlorobenzene	U		0.116	1.00	1	05/12/2025 23:18	WG2513387
Chlorodibromomethane	U		0.140	1.00	1	05/12/2025 23:18	WG2513387
Chloroethane	U		0.192	5.00	1	05/12/2025 23:18	WG2513387
Chloroform	U		0.111	5.00	1	05/12/2025 23:18	WG2513387
Chloromethane	U		0.960	2.50	1	05/12/2025 23:18	WG2513387
Dibromomethane	U		0.122	1.00	1	05/12/2025 23:18	WG2513387
1,2-Dibromoethane	U		0.126	1.00	1	05/12/2025 23:18	WG2513387
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	05/12/2025 23:18	WG2513387

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichlorobenzene	U		0.107	1.00	1	05/12/2025 23:18	WG2513387
1,4-Dichlorobenzene	U		0.120	1.00	1	05/12/2025 23:18	WG2513387
trans-1,4-Dichloro-2-butene	U	J3	0.467	2.50	1	05/12/2025 23:18	WG2513387
1,1-Dichloroethane	U		0.100	1.00	1	05/12/2025 23:18	WG2513387
1,2-Dichloroethane	U		0.0819	1.00	1	05/12/2025 23:18	WG2513387
1,1-Dichloroethene	U		0.188	1.00	1	05/12/2025 23:18	WG2513387
cis-1,2-Dichloroethene	U		0.126	1.00	1	05/12/2025 23:18	WG2513387
trans-1,2-Dichloroethene	U		0.149	1.00	1	05/12/2025 23:18	WG2513387
1,2-Dichloropropane	U		0.149	1.00	1	05/12/2025 23:18	WG2513387
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/12/2025 23:18	WG2513387
trans-1,3-Dichloropropene	U		0.118	1.00	1	05/12/2025 23:18	WG2513387
Ethylbenzene	U		0.137	1.00	1	05/12/2025 23:18	WG2513387
2-Hexanone	U		0.787	10.0	1	05/12/2025 23:18	WG2513387
Iodomethane	U		6.00	10.0	1	05/12/2025 23:18	WG2513387
2-Butanone (MEK)	U		1.19	10.0	1	05/12/2025 23:18	WG2513387
Methylene Chloride	U		0.430	5.00	1	05/12/2025 23:18	WG2513387
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/12/2025 23:18	WG2513387
Styrene	U		0.118	1.00	1	05/12/2025 23:18	WG2513387
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	05/12/2025 23:18	WG2513387
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	05/12/2025 23:18	WG2513387
Tetrachloroethene	U		0.300	1.00	1	05/12/2025 23:18	WG2513387
Toluene	U		0.278	1.00	1	05/12/2025 23:18	WG2513387
1,1,1-Trichloroethane	U		0.149	1.00	1	05/12/2025 23:18	WG2513387
1,1,2-Trichloroethane	U		0.158	1.00	1	05/12/2025 23:18	WG2513387
Trichloroethene	U		0.190	1.00	1	05/12/2025 23:18	WG2513387
Trichlorofluoromethane	U		0.160	5.00	1	05/12/2025 23:18	WG2513387
1,2,3-Trichloropropane	U		0.237	2.50	1	05/12/2025 23:18	WG2513387
Vinyl acetate	U		0.692	10.0	1	05/12/2025 23:18	WG2513387
Vinyl chloride	U		0.234	1.00	1	05/12/2025 23:18	WG2513387
Xylenes, Total	U		0.174	3.00	1	05/12/2025 23:18	WG2513387
(S) Toluene-d8	*97.0*			*80.0-120*		*05/12/2025 23:18*	WG2513387
(S) 4-Bromofluorobenzene	*97.4*			*77.0-126*		*05/12/2025 23:18*	WG2513387
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*		*05/12/2025 23:18*	WG2513387

Method Blank (MB)

(MB) R4216029-1 05/13/25 09:49

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Dissolved Solids	U		10000	10000

L1857307-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1857307-01 05/13/25 09:49 • (DUP) R4216029-3 05/13/25 09:49

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	32100000	33500000	1	4.27		10

L1857530-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1857530-10 05/13/25 09:49 • (DUP) R4216029-4 05/13/25 09:49

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	490000	497000	1	1.42		10

Laboratory Control Sample (LCS)

(LCS) R4216029-2 05/13/25 09:49

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

Method Blank (MB)

(MB) R4216412-1 05/13/25 09:33

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Dissolved Solids	U		10000	10000

L1857530-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1857530-06 05/13/25 09:33 • (DUP) R4216412-3 05/13/25 09:33

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	202000	202000	1	0.000		10

L1857530-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1857530-08 05/13/25 09:33 • (DUP) R4216412-4 05/13/25 09:33

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	409000	422000	1	3.13		10

Laboratory Control Sample (LCS)

(LCS) R4216412-2 05/13/25 09:33

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800000	8320000	94.5	90.0-110	

Method Blank (MB)

(MB) R4213202-1 05/11/25 15:15

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Dissolved Solids	U		10000	10000

L1857530-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1857530-03 05/11/25 15:15 • (DUP) R4213202-3 05/11/25 15:15

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Dissolved Solids	326000	328000	1	0.612		10

L1857698-23 Original Sample (OS) • Duplicate (DUP)

(OS) L1857698-23 05/11/25 15:15 • (DUP) R4213202-4 05/11/25 15:15

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Dissolved Solids	ND	ND	1	0.000		10

Laboratory Control Sample (LCS)

(LCS) R4213202-2 05/11/25 15:15

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Dissolved Solids	8800000	8510000	96.7	90.0-110	

Method Blank (MB)

(MB) R4216421-1 05/17/25 11:00

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloride	U		547	1000
Sulfate	U		637	5000

L1857508-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1857508-11 05/17/25 14:43 • (DUP) R4216421-3 05/17/25 14:58

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	20500	20400	1	0.574		15
Sulfate	23000	22700	1	1.40		15

L1857508-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1857508-13 05/17/25 16:18 • (DUP) R4216421-6 05/17/25 16:34

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	40900	40800	1	0.154		15
Sulfate	58400	58400	1	0.00599		15

Laboratory Control Sample (LCS)

(LCS) R4216421-2 05/17/25 11:16

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	39600	99.1	80.0-120	
Sulfate	40000	40700	102	80.0-120	

L1857508-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1857508-11 05/17/25 14:43 • (MS) R4216421-4 05/17/25 15:14 • (MSD) R4216421-5 05/17/25 15:30

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 %
Chloride	40000	20500	56000	55800	88.6	88.2	1	80.0-120			0.311	15
Sulfate	40000	23000	58500	58400	88.6	88.4	1	80.0-120			0.142	15

L1857508-13 Original Sample (OS) • Matrix Spike (MS)

(OS) L1857508-13 05/17/25 16:18 • (MS) R4216421-7 05/17/25 16:50

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40000	40900	73600	81.9	1	80.0-120	
Sulfate	40000	58400	86000	69.1	1	80.0-120	J6

Method Blank (MB)

(MB) R4216158-1 05/16/25 13:41

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloride	U		547	1000
Sulfate	U		637	5000

L1857530-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1857530-08 05/16/25 15:28 • (DUP) R4216158-3 05/16/25 15:42

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	19500	20400	1	4.42		15
Sulfate	57200	60000	1	4.73		15

L1857530-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1857530-10 05/16/25 16:36 • (DUP) R4216158-6 05/16/25 16:49

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	33900	32900	1	2.82		15
Sulfate	62400	61300	1	1.78		15

Laboratory Control Sample (LCS)

(LCS) R4216158-2 05/16/25 13:54

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	39200	98.0	80.0-120	
Sulfate	40000	39700	99.4	80.0-120	

L1857530-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1857530-08 05/16/25 15:28 • (MS) R4216158-4 05/16/25 15:55 • (MSD) R4216158-5 05/16/25 16:09

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 %
Chloride	40000	19500	54800	55800	88.2	90.6	1	80.0-120			1.73	15
Sulfate	40000	57200	85200	87700	70.0	76.1	1	80.0-120	J6	J6	2.84	15

L1857530-10 Original Sample (OS) • Matrix Spike (MS)

(OS) L1857530-10 05/16/25 16:36 • (MS) R4216158-7 05/16/25 17:03

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40000	33900	69900	90.1	1	80.0-120	
Sulfate	40000	62400	95000	81.7	1	80.0-120	

Method Blank (MB)

(MB) R4213037-2 05/11/25 00:46

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

L1856975-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1856975-03 05/11/25 04:43 • (DUP) R4213037-5 05/11/25 04:57

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	744	653	1	13.0	J	20

L1857130-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1857130-03 05/11/25 06:44 • (DUP) R4213037-8 05/11/25 07:03

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	15500	15600	1	0.707		20

Laboratory Control Sample (LCS)

(LCS) R4213037-1 05/11/25 00:31

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
TOC (Total Organic Carbon)	25000	25100	100	80.0-120	

L1856975-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1856975-02 05/11/25 03:50 • (MS) R4213037-3 05/11/25 04:09 • (MSD) R4213037-4 05/11/25 04:28

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	%	%		%			%	%
TOC (Total Organic Carbon)	25000	U	24800	24800	99.2	99.2	1	75.0-125			0.0806	20

L1856975-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1856975-04 05/11/25 05:45 • (MS) R4213037-6 05/11/25 06:05 • (MSD) R4213037-7 05/11/25 06:25

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	%	%		%			%	%
TOC (Total Organic Carbon)	25000	1140	26000	26800	99.4	102	1	75.0-125			2.88	20

Method Blank (MB)

(MB) R4213219-2 05/11/25 18:55

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

L1857530-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1857530-04 05/11/25 20:43 • (DUP) R4213219-5 05/11/25 21:03

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	710	687	1	3.25	J	20

Laboratory Control Sample (LCS)

(LCS) R4213219-1 05/11/25 18:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	25000	25500	102	80.0-120	

L1857530-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1857530-03 05/11/25 19:33 • (MS) R4213219-3 05/11/25 19:58 • (MSD) R4213219-4 05/11/25 20:23

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 %
TOC (Total Organic Carbon)	25000	U	26200	26500	105	106	1	75.0-125			1.06	20

Method Blank (MB)

(MB) R4217053-1 05/19/25 17:59

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Antimony	U		0.310	4.00
Arsenic	U		0.120	2.00
Barium	U		0.500	2.00
Beryllium	U		0.200	2.00
Cadmium	U		0.120	1.00
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
Manganese	U		0.700	5.00
Nickel	U		0.500	2.00
Selenium	U		0.250	2.00
Silver	U		0.110	2.00
Thallium	U		0.130	2.00
Vanadium	U		0.520	5.00
Zinc	U		4.00	25.0

Laboratory Control Sample (LCS)

(LCS) R4217053-2 05/19/25 18:02

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	50.0	49.3	98.7	80.0-120	
Arsenic	50.0	50.0	100	80.0-120	
Barium	50.0	47.6	95.2	80.0-120	
Beryllium	50.0	50.4	101	80.0-120	
Cadmium	50.0	53.5	107	80.0-120	
Chromium	50.0	51.6	103	80.0-120	
Copper	50.0	51.3	103	80.0-120	
Cobalt	50.0	51.6	103	80.0-120	
Iron	1000	1000	100	80.0-120	
Lead	50.0	47.7	95.4	80.0-120	
Manganese	50.0	50.3	101	80.0-120	
Nickel	50.0	52.4	105	80.0-120	
Selenium	50.0	50.4	101	80.0-120	
Silver	50.0	51.7	103	80.0-120	
Thallium	50.0	46.6	93.2	80.0-120	
Vanadium	50.0	51.5	103	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4217053-2 05/19/25 18:02

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Zinc	50.0	49.7	99.4	80.0-120	

L1857508-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1857508-11 05/19/25 18:05 • (MS) R4217053-4 05/19/25 18:11 • (MSD) R4217053-5 05/19/25 18:14

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 %
Antimony	50.0	U	51.2	50.2	102	100	1	75.0-125			2.04	20
Arsenic	50.0	5.61	55.7	56.1	100	101	1	75.0-125			0.614	20
Barium	50.0	583	634	634	102	102	1	75.0-125			0.0407	20
Beryllium	50.0	U	50.4	50.3	101	101	1	75.0-125			0.252	20
Cadmium	50.0	U	53.4	53.7	107	107	1	75.0-125			0.615	20
Chromium	50.0	U	51.7	52.0	103	104	1	75.0-125			0.482	20
Copper	50.0	0.743	50.4	51.4	99.4	101	1	75.0-125			1.87	20
Cobalt	50.0	0.197	51.5	51.3	103	102	1	75.0-125			0.496	20
Iron	1000	20700	21800	21400	113	74.1	1	75.0-125		V	1.80	20
Lead	50.0	U	48.0	48.1	96.0	96.1	1	75.0-125			0.166	20
Manganese	50.0	1970	1990	1990	45.5	57.3	1	75.0-125	V	V	0.298	20
Nickel	50.0	U	51.9	51.5	104	103	1	75.0-125			0.760	20
Selenium	50.0	U	52.0	51.3	104	103	1	75.0-125			1.29	20
Silver	50.0	U	52.8	52.7	106	105	1	75.0-125			0.151	20
Thallium	50.0	U	46.5	47.4	93.0	94.9	1	75.0-125			1.97	20
Vanadium	50.0	2.12	53.9	53.6	104	103	1	75.0-125			0.678	20
Zinc	50.0	U	52.4	52.7	105	105	1	75.0-125			0.551	20

Method Blank (MB)

(MB) R4217112-1 05/19/25 22:49

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Antimony	U		0.310	4.00
Arsenic	U		0.120	2.00
Barium	U		0.500	2.00
Beryllium	U		0.200	2.00
Cadmium	U		0.120	1.00
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
Manganese	U		0.700	5.00
Nickel	U		0.500	2.00
Selenium	U		0.250	2.00
Silver	U		0.110	2.00
Thallium	U		0.130	2.00
Vanadium	U		0.520	5.00
Zinc	U		4.00	25.0

Laboratory Control Sample (LCS)

(LCS) R4217112-2 05/19/25 22:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	50.0	48.7	97.3	80.0-120	
Arsenic	50.0	50.5	101	80.0-120	
Barium	50.0	48.0	96.0	80.0-120	
Beryllium	50.0	50.4	101	80.0-120	
Cadmium	50.0	55.6	111	80.0-120	
Chromium	50.0	52.6	105	80.0-120	
Copper	50.0	50.9	102	80.0-120	
Cobalt	50.0	53.3	107	80.0-120	
Iron	1000	1010	101	80.0-120	
Lead	50.0	48.2	96.3	80.0-120	
Manganese	50.0	51.2	102	80.0-120	
Nickel	50.0	53.2	106	80.0-120	
Selenium	50.0	49.6	99.2	80.0-120	
Silver	50.0	52.4	105	80.0-120	
Thallium	50.0	47.7	95.4	80.0-120	
Vanadium	50.0	50.7	101	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4217112-2 05/19/25 22:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Zinc	50.0	51.7	103	80.0-120	

L1857591-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1857591-03 05/19/25 22:55 • (MS) R4217112-4 05/19/25 23:02 • (MSD) R4217112-5 05/19/25 23:05

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 %
Antimony	50.0	0.511	52.7	53.0	104	105	1	75.0-125			0.524	20
Arsenic	50.0	8.30	60.0	60.3	103	104	1	75.0-125			0.521	20
Barium	50.0	3740	3760	3780	35.6	77.8	1	75.0-125	V		0.559	20
Beryllium	50.0	U	49.4	49.1	98.8	98.3	1	75.0-125			0.501	20
Cadmium	50.0	U	53.0	53.3	106	107	1	75.0-125			0.561	20
Chromium	50.0	U	52.3	52.6	105	105	1	75.0-125			0.643	20
Copper	50.0	6.79	56.6	57.2	99.7	101	1	75.0-125			0.975	20
Cobalt	50.0	U	51.6	52.0	103	104	1	75.0-125			0.858	20
Iron	1000	5300	6190	6230	89.0	93.6	1	75.0-125			0.745	20
Lead	50.0	U	48.5	48.5	97.0	97.0	1	75.0-125			0.0155	20
Manganese	50.0	688	730	743	84.9	111	1	75.0-125			1.78	20
Nickel	50.0	U	51.3	51.2	103	102	1	75.0-125			0.165	20
Selenium	50.0	U	55.2	54.1	110	108	1	75.0-125			1.88	20
Silver	50.0	U	52.6	52.6	105	105	1	75.0-125			0.109	20
Thallium	50.0	U	47.6	47.8	95.3	95.6	1	75.0-125			0.368	20
Vanadium	50.0	U	53.1	53.3	106	107	1	75.0-125			0.558	20
Zinc	50.0	5.89	56.4	56.4	101	101	1	75.0-125			0.0811	20

Method Blank (MB)

(MB) R4214396-3 05/12/25 18:41

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromochloromethane	U		0.128	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
Carbon disulfide	U		0.0962	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
Dibromomethane	U		0.122	1.00
1,2-Dibromoethane	U		0.126	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dichlorobenzene	U		0.107	1.00
1,4-Dichlorobenzene	U		0.120	1.00
trans-1,4-Dichloro-2-butene	U		0.467	2.50
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
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
Ethylbenzene	U		0.137	1.00
2-Hexanone	U		0.787	10.0
Iodomethane	U		6.00	10.0
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
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
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,1,1-Trichloroethane	U		0.149	1.00

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

Method Blank (MB)

(MB) R4214396-3 05/12/25 18:41

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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
Vinyl acetate	U		0.692	10.0
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*94.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*

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

(LCS) R4214396-1 05/12/25 17:44 • (LCSD) R4214396-2 05/12/25 18:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	32.0	32.8	128	131	19.0-160	J	J	2.47	27
Acrylonitrile	25.0	27.4	27.0	110	108	55.0-149			1.47	20
Benzene	5.00	4.81	4.98	96.2	99.6	70.0-123			3.47	20
Bromochloromethane	5.00	5.04	5.10	101	102	76.0-122			1.18	20
Bromodichloromethane	5.00	5.58	5.69	112	114	75.0-120			1.95	20
Bromoform	5.00	5.82	5.72	116	114	68.0-132			1.73	20
Bromomethane	5.00	4.69	4.90	93.8	98.0	10.0-160	J	J	4.38	25
Carbon disulfide	5.00	4.91	5.09	98.2	102	61.0-128			3.60	20
Carbon tetrachloride	5.00	5.87	6.29	117	126	68.0-126			6.91	20
Chlorobenzene	5.00	5.19	5.37	104	107	80.0-121			3.41	20
Chlorodibromomethane	5.00	5.29	5.57	106	111	77.0-125			5.16	20
Chloroethane	5.00	4.97	4.99	99.4	99.8	47.0-150	J	J	0.402	20
Chloroform	5.00	4.94	4.94	98.8	98.8	73.0-120	J	J	0.000	20
Chloromethane	5.00	4.73	4.73	94.6	94.6	41.0-142			0.000	20
Dibromomethane	5.00	5.45	5.27	109	105	80.0-120			3.36	20
1,2-Dibromoethane	5.00	5.12	5.01	102	100	80.0-122			2.17	20
1,2-Dibromo-3-Chloropropane	5.00	5.60	5.44	112	109	58.0-134			2.90	20
1,2-Dichlorobenzene	5.00	5.18	5.31	104	106	79.0-121			2.48	20
1,4-Dichlorobenzene	5.00	5.12	5.24	102	105	79.0-120			2.32	20
trans-1,4-Dichloro-2-butene	5.00	4.35	5.64	87.0	113	33.0-144		J3	25.8	20
1,1-Dichloroethane	5.00	5.18	5.25	104	105	70.0-126			1.34	20
1,2-Dichloroethane	5.00	5.65	5.63	113	113	70.0-128			0.355	20
1,1-Dichloroethene	5.00	4.64	4.83	92.8	96.6	71.0-124			4.01	20

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

(LCS) R4214396-1 05/12/25 17:44 • (LCSD) R4214396-2 05/12/25 18:03

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 %
cis-1,2-Dichloroethene	5.00	4.88	4.90	97.6	98.0	73.0-120			0.409	20
trans-1,2-Dichloroethene	5.00	4.79	4.82	95.8	96.4	73.0-120			0.624	20
1,2-Dichloropropane	5.00	4.90	5.13	98.0	103	77.0-125			4.59	20
cis-1,3-Dichloropropene	5.00	5.13	5.49	103	110	80.0-123			6.78	20
trans-1,3-Dichloropropene	5.00	4.67	4.92	93.4	98.4	78.0-124			5.21	20
Ethylbenzene	5.00	4.71	4.96	94.2	99.2	79.0-123			5.17	20
2-Hexanone	25.0	22.5	23.8	90.0	95.2	67.0-149			5.62	20
Iodomethane	25.0	25.0	25.9	100	104	33.0-147			3.54	26
2-Butanone (MEK)	25.0	26.6	31.5	106	126	44.0-160			16.9	20
Methylene Chloride	5.00	4.55	4.57	91.0	91.4	67.0-120	J	J	0.439	20
4-Methyl-2-pentanone (MIBK)	25.0	27.4	27.8	110	111	68.0-142			1.45	20
Styrene	5.00	4.26	4.44	85.2	88.8	73.0-130			4.14	20
1,1,1,2-Tetrachloroethane	5.00	6.14	6.01	123	120	75.0-125			2.14	20
1,1,2,2-Tetrachloroethane	5.00	5.22	4.95	104	99.0	65.0-130			5.31	20
Tetrachloroethene	5.00	5.17	5.52	103	110	72.0-132			6.55	20
Toluene	5.00	4.77	4.89	95.4	97.8	79.0-120			2.48	20
1,1,1-Trichloroethane	5.00	5.40	5.75	108	115	73.0-124			6.28	20
1,1,2-Trichloroethane	5.00	5.20	5.24	104	105	80.0-120			0.766	20
Trichloroethene	5.00	4.87	5.22	97.4	104	78.0-124			6.94	20
Trichlorofluoromethane	5.00	5.22	5.45	104	109	59.0-147			4.31	20
1,2,3-Trichloropropane	5.00	5.02	5.03	100	101	73.0-130			0.199	20
Vinyl acetate	25.0	28.3	26.2	113	105	11.0-160			7.71	20
Vinyl chloride	5.00	4.34	4.61	86.8	92.2	67.0-131			6.03	20
Xylenes, Total	15.0	14.3	15.4	95.3	103	79.0-123			7.41	20
(S) Toluene-d8				*99.8*	*100*	*80.0-120*				
(S) 4-Bromofluorobenzene				*98.9*	*95.0*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*111*	*107*	*70.0-130*				

Method Blank (MB)

(MB) R4216024-2 05/13/25 00:18

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromochloromethane	U		0.128	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
Carbon disulfide	U		0.0962	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
Dibromomethane	U		0.122	1.00
1,2-Dibromoethane	U		0.126	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dichlorobenzene	U		0.107	1.00
1,4-Dichlorobenzene	U		0.120	1.00
trans-1,4-Dichloro-2-butene	U		0.467	2.50
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
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
Ethylbenzene	U		0.137	1.00
2-Hexanone	U		0.787	10.0
Iodomethane	U		6.00	10.0
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
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
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,1,1-Trichloroethane	U		0.149	1.00

Method Blank (MB)

(MB) R4216024-2 05/13/25 00:18

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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
Vinyl acetate	U		0.692	10.0
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*95.6*			*80.0-120*
(S) 4-Bromofluorobenzene	*95.2*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4216024-1 05/12/25 23:35

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	31.1	124	19.0-160	J
Acrylonitrile	25.0	20.7	82.8	55.0-149	
Benzene	5.00	4.62	92.4	70.0-123	
Bromochloromethane	5.00	5.36	107	76.0-122	
Bromodichloromethane	5.00	4.68	93.6	75.0-120	
Bromoform	5.00	4.07	81.4	68.0-132	
Bromomethane	5.00	4.07	81.4	10.0-160	J
Carbon disulfide	5.00	4.10	82.0	61.0-128	
Carbon tetrachloride	5.00	5.04	101	68.0-126	
Chlorobenzene	5.00	4.37	87.4	80.0-121	
Chlorodibromomethane	5.00	4.37	87.4	77.0-125	
Chloroethane	5.00	5.77	115	47.0-150	
Chloroform	5.00	4.57	91.4	73.0-120	J
Chloromethane	5.00	4.85	97.0	41.0-142	
Dibromomethane	5.00	4.89	97.8	80.0-120	
1,2-Dibromoethane	5.00	4.12	82.4	80.0-122	
1,2-Dibromo-3-Chloropropane	5.00	3.44	68.8	58.0-134	J
1,2-Dichlorobenzene	5.00	4.37	87.4	79.0-121	
1,4-Dichlorobenzene	5.00	4.20	84.0	79.0-120	
trans-1,4-Dichloro-2-butene	5.00	2.92	58.4	33.0-144	
1,1-Dichloroethane	5.00	4.46	89.2	70.0-126	
1,2-Dichloroethane	5.00	5.22	104	70.0-128	
1,1-Dichloroethene	5.00	4.39	87.8	71.0-124	

Laboratory Control Sample (LCS)

(LCS) R4216024-1 05/12/25 23:35

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
cis-1,2-Dichloroethene	5.00	4.63	92.6	73.0-120	
trans-1,2-Dichloroethene	5.00	4.54	90.8	73.0-120	
1,2-Dichloropropane	5.00	4.53	90.6	77.0-125	
cis-1,3-Dichloropropene	5.00	4.29	85.8	80.0-123	
trans-1,3-Dichloropropene	5.00	3.94	78.8	78.0-124	
Ethylbenzene	5.00	4.32	86.4	79.0-123	
2-Hexanone	25.0	19.4	77.6	67.0-149	
Iodomethane	25.0	25.6	102	33.0-147	
2-Butanone (MEK)	25.0	27.0	108	44.0-160	
Methylene Chloride	5.00	4.42	88.4	67.0-120	J
4-Methyl-2-pentanone (MIBK)	25.0	20.4	81.6	68.0-142	
Styrene	5.00	4.12	82.4	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	4.27	85.4	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	3.76	75.2	65.0-130	
Tetrachloroethene	5.00	4.47	89.4	72.0-132	
Toluene	5.00	4.09	81.8	79.0-120	
1,1,1-Trichloroethane	5.00	4.88	97.6	73.0-124	
1,1,2-Trichloroethane	5.00	4.12	82.4	80.0-120	
Trichloroethene	5.00	4.96	99.2	78.0-124	
Trichlorofluoromethane	5.00	6.35	127	59.0-147	
1,2,3-Trichloropropane	5.00	4.06	81.2	73.0-130	
Vinyl acetate	25.0	14.8	59.2	11.0-160	
Vinyl chloride	5.00	4.72	94.4	67.0-131	
Xylenes, Total	15.0	12.7	84.7	79.0-123	
(S) Toluene-d8			*93.8*	*80.0-120*	
(S) 4-Bromofluorobenzene			*96.9*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*109*	*70.0-130*	

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
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

Company Name/A: **Legacy Landfill**

3537 N. Steele Blvd, Suite 310
Fayetteville, AR 72703

Billing Information:
Angela Sparks
P.O. Box 16777
Jonesboro, AR 72403

Report to: Melissa Vaught 501-920-9642

Email To: mvaught@olsson.com;mclayton@olsson.com;a

Project Description: **Craighead County - Legacy Landfill**

City/State Collected: Jonesboro AR

Please Circle: PT MT (CT) ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project # **024-01259**

Lab Project # **LEGLDFJAR-CRAIGHEAD**

Collected by (print): Michael Clayton

Site/Facility ID #

P.O. #

Collected by (signature): Michael Clayton

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed

Analysis / Container / Preservative

Pres Chk

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Chloride, Sulfate 125mlHDPE-NoPres	M6010AP1 + Fe, Mn 250mlHDPE-HNO3	TDS 1L-HDPE NoPres	TOC 250mlHDPE-HCl	V8260AP1 40mlAmb-HCl	V8260AP1- Trip Blk 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
MW-9R2		GW				6	X	X	X	X	X			
MW-14R	Grab	GW		5/7/25	1505	6	X	X	X	X	X			01
MW-16R		GW		~~5/7/25~~ MCC	~~1605~~	6	X	X	X	X	X			
MW-17R		GW		5/8/25	930	6	X	X	X	X	X			02
MW-19		GW		5/8/25	1150	6	X	X	X	X	X			03
MW-20R		GW		5/8/25	1605	6	X	X	X	X	X			04
MW-21		GW		5/6/25	1640	6	X	X	X	X	X			05
MW-22		GW		5/7/25	1115	6	X	X	X	X	X			06
MW-23		GW		5/6/25	1010	6	X	X	X	X	X			07
MW-24		GW		5/6/25	1350	6	X	X	X	X	X			08

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking #

Trip Blank Received: Yes / (No) HCL / MeoH TBR

Temp: °C Bottles Received: 10

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Michael Clayton	5/9/25	0930	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) CRoberts

Date: 05/10/25 Time: 0845

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Chain of C: Page 2 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1657330
F186

T:

Acctnum: **LEGLDFJAR**
Template: **T106244**
Prelogin: **P1147288**
PM: **134 - Mark W. Beasley**
PB:

Shipped Via: **FedEX Ground**

Company Name/A
Legacy Landfill

3537 N. Steele Blvd, Suite 310
Fayetteville, AR 72703

Billing Information:
Angela Sparks
P.O. Box 16777
Jonesboro, AR 72403

Pres Chk

Report to:
Melissa Vaught 501-920-9642

Email To:
mvaught@olsson.com;mclayton@olsson.com;a

Project Description:
Craighead County - Legacy Landfill

City/State Collected: Jonesboro AR

Please Circle: PT MT (CT) ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project #
024-01259

Lab Project #
LEGLDFJAR-CRAIGHEAD

Collected by (print):
Michael Clayton

Site/Facility ID #

P.O. #

Collected by (signature):
Immediately
Packed on Ice N ___ Y V

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Chloride, Sulfate 125mlHDPE-NoPres	M6010AP1 + Fe, Mn 250mlHDPE-HNO3	TDS 1L-HDPE NoPres	TOC 250mlHDPE-HCl	V8260AP1 40mlAmb-HCl	V8260AP1- Trip Blk 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
MW-25	Grab	GW		5/6/25	1450	6	X	X	X	X	X		-10	09 NP 5/10/25
MW-26		GW				1						X		
MW-27R		GW				6	X	X	X	X	X			
MW-28		GW				6	X	X	X	X	X			
MW-29		GW				6	X	X	X	X	X			
LEACHATE BLDG A		GW				6	X	X	X	X	X			
LEACHATE BLDG B		GW				6	X	X	X	X	X			
LEACHATE BLDG C		GW				6	X	X	X	X	X			
MW-14R DUP	Grab	GW		5/7/25	1510	6	X	X	X	X	X		-09	10
EB-1		GW				6	X	X	X	X	X			NP 5/10/25

Analysis / Container / Preservative

Chain of C

Page 1 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1653520

Table #

Acctnum: **LEGLDFJAR**
Template: **T106244**
Prelogin: **P1147288**
PM: **134 - Mark W. Beasley**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Michael Clayton	5/9/25		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			CRobert

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: °C Bottles Received: 10

Date: 05.10.25 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Multiple Parcel Form L# L1652350

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
4544 7725 3907	TLA9	0.3	0.4	0.7	Yes / No / Not Present
4544 7725 3929	TLA9	2.7	0.4	3.1	Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present

CRODERO
Name

05.10.25
Date

ANALYTICAL REPORT

June 04, 2025

Legacy Landfill

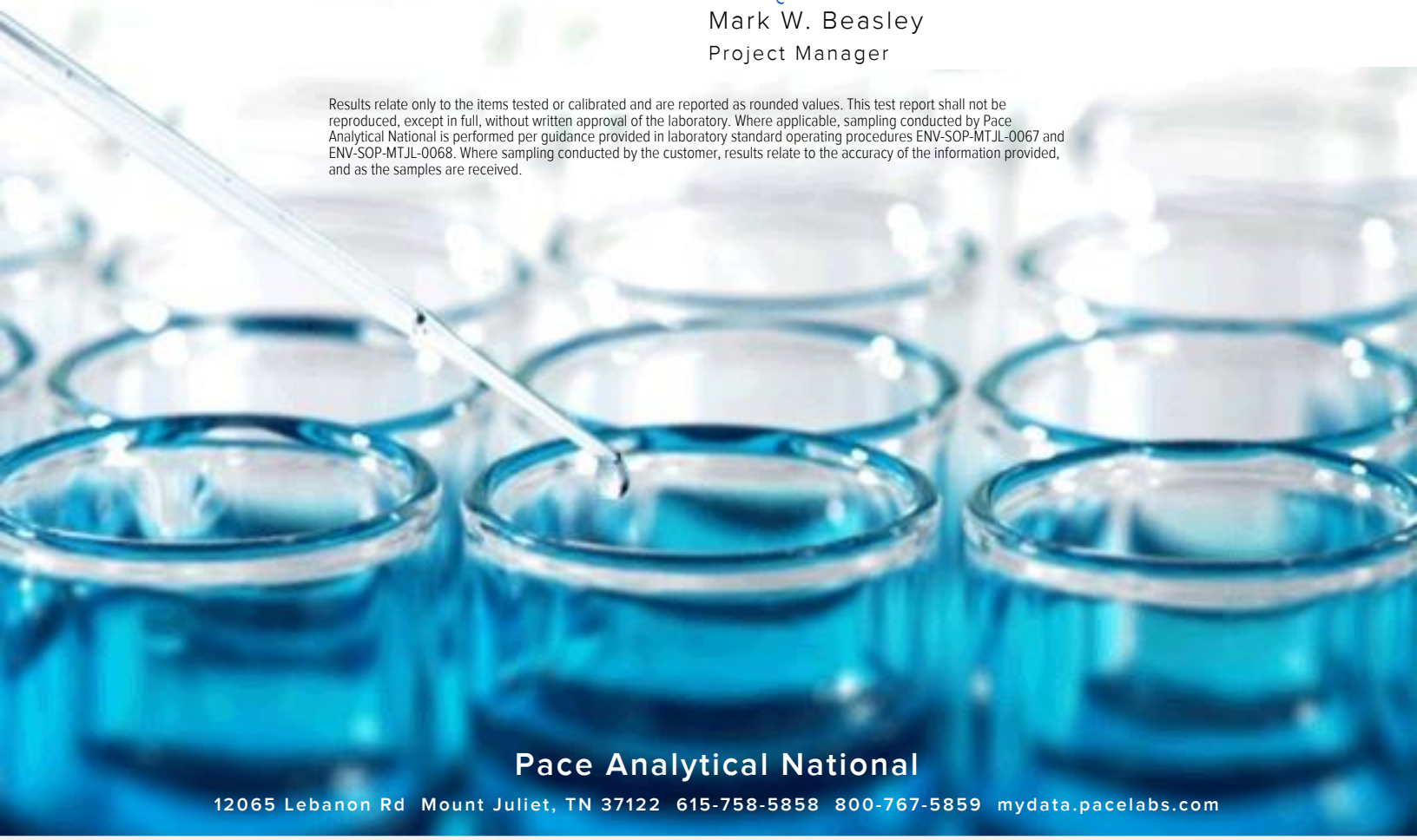
Sample Delivery Group:	L1860472
Samples Received:	05/17/2025
Project Number:	024-01259
Description:	Craighead County - Legacy Landfill

Report To: Melissa Vaught
3537 N. Steele Blvd, Suite 310
Fayetteville, AR 72703

Entire Report Reviewed By:

Mark W. Beasley
Project Manager

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



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

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MW-9R2 L1860472-01

Collected by: Michael Clayton | Collected date/time: 05/15/25 11:15 | Received date/time: 05/17/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2523900	1	05/26/25 13:04	05/26/25 15:38	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2518186	1	05/27/25 21:37	05/27/25 21:37	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2518948	1	05/23/25 04:49	05/23/25 04:49	AF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2523703	1	05/26/25 14:56	05/30/25 02:47	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2520014	1	05/21/25 14:53	05/21/25 14:53	JHH	Mt. Juliet, TN

MW-16R L1860472-02

Collected by: Michael Clayton | Collected date/time: 05/15/25 09:30 | Received date/time: 05/17/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2520212	1	05/21/25 13:08	05/22/25 14:40	JDG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2518186	1	05/27/25 21:50	05/27/25 21:50	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2518948	1	05/23/25 05:08	05/23/25 05:08	AF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2523703	1	05/26/25 14:56	05/30/25 02:50	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2523703	5	05/26/25 14:56	05/30/25 11:40	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2520014	1	05/21/25 15:12	05/21/25 15:12	JHH	Mt. Juliet, TN

MW-26 L1860472-03

Collected by: Michael Clayton | Collected date/time: 05/15/25 14:20 | Received date/time: 05/17/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2520881	1	05/22/25 14:09	05/22/25 17:29	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2518186	1	05/27/25 22:03	05/27/25 22:03	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2518948	1	05/23/25 05:30	05/23/25 05:30	AF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2523703	1	05/26/25 14:56	05/30/25 02:53	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2523703	5	05/26/25 14:56	05/30/25 11:43	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2520014	1	05/21/25 15:31	05/21/25 15:31	JHH	Mt. Juliet, TN

MW-27R L1860472-04

Collected by: Michael Clayton | Collected date/time: 05/15/25 12:55 | Received date/time: 05/17/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2520881	1	05/22/25 14:09	05/22/25 17:29	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2518187	1	05/27/25 21:52	05/27/25 21:52	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2518948	1	05/23/25 05:50	05/23/25 05:50	AF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2523703	1	05/26/25 14:56	05/30/25 02:57	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2523703	5	05/26/25 14:56	05/30/25 11:46	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2520014	1	05/21/25 15:51	05/21/25 15:51	JHH	Mt. Juliet, TN

MW-28 L1860472-05

Collected by: Michael Clayton | Collected date/time: 05/16/25 11:05 | Received date/time: 05/17/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2520881	1	05/22/25 14:09	05/22/25 17:29	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2518187	1	05/27/25 22:04	05/27/25 22:04	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2518948	20	05/23/25 06:09	05/23/25 06:09	AF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2523703	1	05/26/25 14:56	05/30/25 03:06	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2523703	5	05/26/25 14:56	05/30/25 11:49	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2522802	1	05/25/25 13:54	05/25/25 13:54	DYW	Mt. Juliet, TN

MW-29 L1860472-06

Collected by: Michael Clayton | Collected date/time: 05/16/25 09:35 | Received date/time: 05/17/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2520881	1	05/22/25 14:09	05/22/25 17:29	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2518187	1	05/27/25 22:17	05/27/25 22:17	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2519021	1	05/20/25 16:49	05/20/25 16:49	AF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2523703	1	05/26/25 14:56	05/30/25 03:09	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2523703	5	05/26/25 14:56	05/30/25 11:52	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2520014	1	05/21/25 16:10	05/21/25 16:10	JHH	Mt. Juliet, TN

LEACHATE BLDG A L1860472-07

Collected by: Michael Clayton | Collected date/time: 05/16/25 12:10 | Received date/time: 05/17/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2520881	1	05/22/25 14:09	05/22/25 17:29	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2518187	10	05/27/25 22:30	05/27/25 22:30	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2518187	50	05/27/25 22:42	05/27/25 22:42	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2519021	20	05/20/25 17:54	05/20/25 17:54	AF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2524244	9	05/27/25 17:01	05/28/25 18:33	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2520014	10	05/21/25 18:28	05/21/25 18:28	JHH	Mt. Juliet, TN

LEACHATE BLDG B L1860472-08

Collected by: Michael Clayton | Collected date/time: 05/16/25 12:30 | Received date/time: 05/17/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2520881	1	05/22/25 14:09	05/22/25 17:29	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2518187	10	05/27/25 22:55	05/27/25 22:55	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2521000	1	05/22/25 22:18	05/22/25 22:18	AF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2523703	1	05/26/25 14:56	05/30/25 03:12	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2520014	1	05/21/25 16:29	05/21/25 16:29	JHH	Mt. Juliet, TN

LEACHATE BLDG C L1860472-09

Collected by: Michael Clayton | Collected date/time: 05/16/25 13:00 | Received date/time: 05/17/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2520212	1	05/21/25 13:08	05/22/25 14:40	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2518187	10	05/27/25 23:07	05/27/25 23:07	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2518187	50	05/27/25 23:20	05/27/25 23:20	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2521000	20	05/22/25 22:40	05/22/25 22:40	AF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2524244	9	05/27/25 17:01	05/28/25 18:36	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2527249	1	05/31/25 19:16	06/02/25 01:28	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2520014	1	05/21/25 17:49	05/21/25 17:49	JHH	Mt. Juliet, TN

EB-1 L1860472-10

Collected by: Michael Clayton | Collected date/time: 05/16/25 11:50 | Received date/time: 05/17/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2520212	1	05/21/25 13:08	05/22/25 14:40	JDG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2518187	1	05/27/25 23:58	05/27/25 23:58	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2521000	1	05/22/25 22:55	05/22/25 22:55	AF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2523707	1	05/26/25 19:31	05/29/25 23:58	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2520034	1	05/21/25 22:39	05/21/25 22:39	JHH	Mt. Juliet, TN

TRIPBLANK L1860472-11

Collected by: Michael Clayton
Collected date/time: 05/15/25 00:00
Received date/time: 05/17/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2520034	1	05/21/25 20:24	05/21/25 20:24	JHH	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. 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.



Mark W. Beasley
Project Manager

Sample Delivery Group (SDG) Narrative

The following analysis were performed from an unpreserved, insufficiently or inadequately preserved sample.

Lab Sample ID	Project Sample ID	Method
L1860472-02	MW-16R	9060A
L1860472-07	LEACHATE BLDG A	9060A
L1860472-09	LEACHATE BLDG C	9060A

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	229000	Q	10000	1	05/26/2025 15:38	WG2523900

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	4560		547	1000	1	05/27/2025 21:37	WG2518186
Sulfate	9190		637	5000	1	05/27/2025 21:37	WG2518186

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	913	J	495	1000	1	05/23/2025 04:49	WG2518948

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	U		0.310	4.00	1	05/30/2025 02:47	WG2523703
Arsenic	1.29	J	0.120	2.00	1	05/30/2025 02:47	WG2523703
Barium	112		0.500	2.00	1	05/30/2025 02:47	WG2523703
Beryllium	U		0.200	2.00	1	05/30/2025 02:47	WG2523703
Cadmium	U		0.120	1.00	1	05/30/2025 02:47	WG2523703
Chromium	U		0.900	2.00	1	05/30/2025 02:47	WG2523703
Copper	U		0.700	5.00	1	05/30/2025 02:47	WG2523703
Cobalt	U		0.100	2.00	1	05/30/2025 02:47	WG2523703
Iron	828		22.6	100	1	05/30/2025 02:47	WG2523703
Lead	U		0.500	2.00	1	05/30/2025 02:47	WG2523703
Manganese	386		0.700	5.00	1	05/30/2025 02:47	WG2523703
Nickel	U		0.500	2.00	1	05/30/2025 02:47	WG2523703
Selenium	U		0.250	2.00	1	05/30/2025 02:47	WG2523703
Silver	U		0.110	2.00	1	05/30/2025 02:47	WG2523703
Thallium	U		0.130	2.00	1	05/30/2025 02:47	WG2523703
Vanadium	U		0.520	5.00	1	05/30/2025 02:47	WG2523703
Zinc	15.3	B J	4.00	25.0	1	05/30/2025 02:47	WG2523703

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	05/21/2025 14:53	WG2520014
Acrylonitrile	U		0.671	10.0	1	05/21/2025 14:53	WG2520014
Benzene	U		0.0941	1.00	1	05/21/2025 14:53	WG2520014
Bromochloromethane	U		0.128	1.00	1	05/21/2025 14:53	WG2520014
Bromodichloromethane	U		0.136	1.00	1	05/21/2025 14:53	WG2520014
Bromoform	U		0.129	1.00	1	05/21/2025 14:53	WG2520014
Bromomethane	U	J4	0.605	5.00	1	05/21/2025 14:53	WG2520014
Carbon disulfide	U		0.0962	1.00	1	05/21/2025 14:53	WG2520014
Carbon tetrachloride	U		0.128	1.00	1	05/21/2025 14:53	WG2520014
Chlorobenzene	U		0.116	1.00	1	05/21/2025 14:53	WG2520014
Chlorodibromomethane	U		0.140	1.00	1	05/21/2025 14:53	WG2520014
Chloroethane	U		0.192	5.00	1	05/21/2025 14:53	WG2520014
Chloroform	U		0.111	5.00	1	05/21/2025 14:53	WG2520014
Chloromethane	U		0.960	2.50	1	05/21/2025 14:53	WG2520014
Dibromomethane	U		0.122	1.00	1	05/21/2025 14:53	WG2520014
1,2-Dibromoethane	U		0.126	1.00	1	05/21/2025 14:53	WG2520014
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	05/21/2025 14:53	WG2520014

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichlorobenzene	U		0.107	1.00	1	05/21/2025 14:53	WG2520014
1,4-Dichlorobenzene	U		0.120	1.00	1	05/21/2025 14:53	WG2520014
trans-1,4-Dichloro-2-butene	U		0.467	2.50	1	05/21/2025 14:53	WG2520014
1,1-Dichloroethane	U		0.100	1.00	1	05/21/2025 14:53	WG2520014
1,2-Dichloroethane	U		0.0819	1.00	1	05/21/2025 14:53	WG2520014
1,1-Dichloroethene	U		0.188	1.00	1	05/21/2025 14:53	WG2520014
cis-1,2-Dichloroethene	U		0.126	1.00	1	05/21/2025 14:53	WG2520014
trans-1,2-Dichloroethene	U		0.149	1.00	1	05/21/2025 14:53	WG2520014
1,2-Dichloropropane	U		0.149	1.00	1	05/21/2025 14:53	WG2520014
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/21/2025 14:53	WG2520014
trans-1,3-Dichloropropene	U		0.118	1.00	1	05/21/2025 14:53	WG2520014
Ethylbenzene	U		0.137	1.00	1	05/21/2025 14:53	WG2520014
2-Hexanone	U		0.787	10.0	1	05/21/2025 14:53	WG2520014
Iodomethane	U		6.00	10.0	1	05/21/2025 14:53	WG2520014
2-Butanone (MEK)	U		1.19	10.0	1	05/21/2025 14:53	WG2520014
Methylene Chloride	U		0.430	5.00	1	05/21/2025 14:53	WG2520014
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/21/2025 14:53	WG2520014
Styrene	U		0.118	1.00	1	05/21/2025 14:53	WG2520014
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	05/21/2025 14:53	WG2520014
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	05/21/2025 14:53	WG2520014
Tetrachloroethene	U		0.300	1.00	1	05/21/2025 14:53	WG2520014
Toluene	U		0.278	1.00	1	05/21/2025 14:53	WG2520014
1,1,1-Trichloroethane	U		0.149	1.00	1	05/21/2025 14:53	WG2520014
1,1,2-Trichloroethane	U		0.158	1.00	1	05/21/2025 14:53	WG2520014
Trichloroethene	U		0.190	1.00	1	05/21/2025 14:53	WG2520014
Trichlorofluoromethane	U		0.160	5.00	1	05/21/2025 14:53	WG2520014
1,2,3-Trichloropropane	U		0.237	2.50	1	05/21/2025 14:53	WG2520014
Vinyl acetate	U		0.692	10.0	1	05/21/2025 14:53	WG2520014
Vinyl chloride	U		0.234	1.00	1	05/21/2025 14:53	WG2520014
Xylenes, Total	U		0.174	3.00	1	05/21/2025 14:53	WG2520014
(S) Toluene-d8	*102*			*80.0-120*		*05/21/2025 14:53*	WG2520014
(S) 4-Bromofluorobenzene	*97.0*			*77.0-126*		*05/21/2025 14:53*	WG2520014
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*05/21/2025 14:53*	WG2520014

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	349000	B	10000	1	05/22/2025 14:40	WG2520212

Sample Narrative:

L1860472-02 WG2520212: Duplicate Analysis performed due to Blank contamination. Results confirm; reporting in-hold data.

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	9100		547	1000	1	05/27/2025 21:50	WG2518186
Sulfate	23300		637	5000	1	05/27/2025 21:50	WG2518186

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	782	J	495	1000	1	05/23/2025 05:08	WG2518948

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	U		0.310	4.00	1	05/30/2025 02:50	WG2523703
Arsenic	1.01	J	0.120	2.00	1	05/30/2025 02:50	WG2523703
Barium	123		0.500	2.00	1	05/30/2025 02:50	WG2523703
Beryllium	U		0.200	2.00	1	05/30/2025 02:50	WG2523703
Cadmium	U		0.120	1.00	1	05/30/2025 02:50	WG2523703
Chromium	U		0.900	2.00	1	05/30/2025 02:50	WG2523703
Copper	2.63	J	0.700	5.00	1	05/30/2025 02:50	WG2523703
Cobalt	U		0.100	2.00	1	05/30/2025 02:50	WG2523703
Iron	832		22.6	100	1	05/30/2025 02:50	WG2523703
Lead	0.539	B J	0.500	2.00	1	05/30/2025 02:50	WG2523703
Manganese	660		3.50	25.0	5	05/30/2025 11:40	WG2523703
Nickel	U		0.500	2.00	1	05/30/2025 02:50	WG2523703
Selenium	U		0.250	2.00	1	05/30/2025 02:50	WG2523703
Silver	U		0.110	2.00	1	05/30/2025 02:50	WG2523703
Thallium	U		0.130	2.00	1	05/30/2025 02:50	WG2523703
Vanadium	U		0.520	5.00	1	05/30/2025 02:50	WG2523703
Zinc	5.97	B J	4.00	25.0	1	05/30/2025 02:50	WG2523703

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	05/21/2025 15:12	WG2520014
Acrylonitrile	U		0.671	10.0	1	05/21/2025 15:12	WG2520014
Benzene	U		0.0941	1.00	1	05/21/2025 15:12	WG2520014
Bromochloromethane	U		0.128	1.00	1	05/21/2025 15:12	WG2520014
Bromodichloromethane	U		0.136	1.00	1	05/21/2025 15:12	WG2520014
Bromoform	U		0.129	1.00	1	05/21/2025 15:12	WG2520014
Bromomethane	U	J4	0.605	5.00	1	05/21/2025 15:12	WG2520014
Carbon disulfide	U		0.0962	1.00	1	05/21/2025 15:12	WG2520014
Carbon tetrachloride	U		0.128	1.00	1	05/21/2025 15:12	WG2520014
Chlorobenzene	U		0.116	1.00	1	05/21/2025 15:12	WG2520014
Chlorodibromomethane	U		0.140	1.00	1	05/21/2025 15:12	WG2520014
Chloroethane	U		0.192	5.00	1	05/21/2025 15:12	WG2520014
Chloroform	U		0.111	5.00	1	05/21/2025 15:12	WG2520014
Chloromethane	U		0.960	2.50	1	05/21/2025 15:12	WG2520014

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dibromomethane	U		0.122	1.00	1	05/21/2025 15:12	WG2520014
1,2-Dibromoethane	U		0.126	1.00	1	05/21/2025 15:12	WG2520014
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	05/21/2025 15:12	WG2520014
1,2-Dichlorobenzene	U		0.107	1.00	1	05/21/2025 15:12	WG2520014
1,4-Dichlorobenzene	U		0.120	1.00	1	05/21/2025 15:12	WG2520014
trans-1,4-Dichloro-2-butene	U		0.467	2.50	1	05/21/2025 15:12	WG2520014
1,1-Dichloroethane	U		0.100	1.00	1	05/21/2025 15:12	WG2520014
1,2-Dichloroethane	U		0.0819	1.00	1	05/21/2025 15:12	WG2520014
1,1-Dichloroethene	U		0.188	1.00	1	05/21/2025 15:12	WG2520014
cis-1,2-Dichloroethene	U		0.126	1.00	1	05/21/2025 15:12	WG2520014
trans-1,2-Dichloroethene	U		0.149	1.00	1	05/21/2025 15:12	WG2520014
1,2-Dichloropropane	U		0.149	1.00	1	05/21/2025 15:12	WG2520014
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/21/2025 15:12	WG2520014
trans-1,3-Dichloropropene	U		0.118	1.00	1	05/21/2025 15:12	WG2520014
Ethylbenzene	U		0.137	1.00	1	05/21/2025 15:12	WG2520014
2-Hexanone	U		0.787	10.0	1	05/21/2025 15:12	WG2520014
Iodomethane	U		6.00	10.0	1	05/21/2025 15:12	WG2520014
2-Butanone (MEK)	U		1.19	10.0	1	05/21/2025 15:12	WG2520014
Methylene Chloride	U		0.430	5.00	1	05/21/2025 15:12	WG2520014
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/21/2025 15:12	WG2520014
Styrene	U		0.118	1.00	1	05/21/2025 15:12	WG2520014
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	05/21/2025 15:12	WG2520014
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	05/21/2025 15:12	WG2520014
Tetrachloroethene	U		0.300	1.00	1	05/21/2025 15:12	WG2520014
Toluene	U		0.278	1.00	1	05/21/2025 15:12	WG2520014
1,1,1-Trichloroethane	U		0.149	1.00	1	05/21/2025 15:12	WG2520014
1,1,2-Trichloroethane	U		0.158	1.00	1	05/21/2025 15:12	WG2520014
Trichloroethene	U		0.190	1.00	1	05/21/2025 15:12	WG2520014
Trichlorofluoromethane	U		0.160	5.00	1	05/21/2025 15:12	WG2520014
1,2,3-Trichloropropane	U		0.237	2.50	1	05/21/2025 15:12	WG2520014
Vinyl acetate	U		0.692	10.0	1	05/21/2025 15:12	WG2520014
Vinyl chloride	U		0.234	1.00	1	05/21/2025 15:12	WG2520014
Xylenes, Total	U		0.174	3.00	1	05/21/2025 15:12	WG2520014
(S) Toluene-d8	*103*			*80.0-120*		*05/21/2025 15:12*	WG2520014
(S) 4-Bromofluorobenzene	*96.9*			*77.0-126*		*05/21/2025 15:12*	WG2520014
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*05/21/2025 15:12*	WG2520014

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	332000		10000	1	05/22/2025 17:29	WG2520881

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	6920		547	1000	1	05/27/2025 22:03	WG2518186
Sulfate	16900		637	5000	1	05/27/2025 22:03	WG2518186

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	715	J	495	1000	1	05/23/2025 05:30	WG2518948

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	U		0.310	4.00	1	05/30/2025 02:53	WG2523703
Arsenic	1.15	J	0.120	2.00	1	05/30/2025 02:53	WG2523703
Barium	143		0.500	2.00	1	05/30/2025 02:53	WG2523703
Beryllium	U		0.200	2.00	1	05/30/2025 02:53	WG2523703
Cadmium	U		0.120	1.00	1	05/30/2025 02:53	WG2523703
Chromium	U		0.900	2.00	1	05/30/2025 02:53	WG2523703
Copper	U		0.700	5.00	1	05/30/2025 02:53	WG2523703
Cobalt	U		0.100	2.00	1	05/30/2025 02:53	WG2523703
Iron	2110		22.6	100	1	05/30/2025 02:53	WG2523703
Lead	0.657	B J	0.500	2.00	1	05/30/2025 02:53	WG2523703
Manganese	520		3.50	25.0	5	05/30/2025 11:43	WG2523703
Nickel	U		0.500	2.00	1	05/30/2025 02:53	WG2523703
Selenium	U		0.250	2.00	1	05/30/2025 02:53	WG2523703
Silver	U		0.110	2.00	1	05/30/2025 02:53	WG2523703
Thallium	U		0.130	2.00	1	05/30/2025 02:53	WG2523703
Vanadium	U		0.520	5.00	1	05/30/2025 02:53	WG2523703
Zinc	U		4.00	25.0	1	05/30/2025 02:53	WG2523703

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	05/21/2025 15:31	WG2520014
Acrylonitrile	U		0.671	10.0	1	05/21/2025 15:31	WG2520014
Benzene	U		0.0941	1.00	1	05/21/2025 15:31	WG2520014
Bromochloromethane	U		0.128	1.00	1	05/21/2025 15:31	WG2520014
Bromodichloromethane	U		0.136	1.00	1	05/21/2025 15:31	WG2520014
Bromoform	U		0.129	1.00	1	05/21/2025 15:31	WG2520014
Bromomethane	U	J4	0.605	5.00	1	05/21/2025 15:31	WG2520014
Carbon disulfide	U		0.0962	1.00	1	05/21/2025 15:31	WG2520014
Carbon tetrachloride	U		0.128	1.00	1	05/21/2025 15:31	WG2520014
Chlorobenzene	U		0.116	1.00	1	05/21/2025 15:31	WG2520014
Chlorodibromomethane	U		0.140	1.00	1	05/21/2025 15:31	WG2520014
Chloroethane	U		0.192	5.00	1	05/21/2025 15:31	WG2520014
Chloroform	U		0.111	5.00	1	05/21/2025 15:31	WG2520014
Chloromethane	U		0.960	2.50	1	05/21/2025 15:31	WG2520014
Dibromomethane	U		0.122	1.00	1	05/21/2025 15:31	WG2520014
1,2-Dibromoethane	U		0.126	1.00	1	05/21/2025 15:31	WG2520014
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	05/21/2025 15:31	WG2520014

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichlorobenzene	U		0.107	1.00	1	05/21/2025 15:31	WG2520014
1,4-Dichlorobenzene	U		0.120	1.00	1	05/21/2025 15:31	WG2520014
trans-1,4-Dichloro-2-butene	U		0.467	2.50	1	05/21/2025 15:31	WG2520014
1,1-Dichloroethane	U		0.100	1.00	1	05/21/2025 15:31	WG2520014
1,2-Dichloroethane	U		0.0819	1.00	1	05/21/2025 15:31	WG2520014
1,1-Dichloroethene	U		0.188	1.00	1	05/21/2025 15:31	WG2520014
cis-1,2-Dichloroethene	U		0.126	1.00	1	05/21/2025 15:31	WG2520014
trans-1,2-Dichloroethene	U		0.149	1.00	1	05/21/2025 15:31	WG2520014
1,2-Dichloropropane	U		0.149	1.00	1	05/21/2025 15:31	WG2520014
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/21/2025 15:31	WG2520014
trans-1,3-Dichloropropene	U		0.118	1.00	1	05/21/2025 15:31	WG2520014
Ethylbenzene	U		0.137	1.00	1	05/21/2025 15:31	WG2520014
2-Hexanone	U		0.787	10.0	1	05/21/2025 15:31	WG2520014
Iodomethane	U		6.00	10.0	1	05/21/2025 15:31	WG2520014
2-Butanone (MEK)	U		1.19	10.0	1	05/21/2025 15:31	WG2520014
Methylene Chloride	U		0.430	5.00	1	05/21/2025 15:31	WG2520014
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/21/2025 15:31	WG2520014
Styrene	U		0.118	1.00	1	05/21/2025 15:31	WG2520014
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	05/21/2025 15:31	WG2520014
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	05/21/2025 15:31	WG2520014
Tetrachloroethene	U		0.300	1.00	1	05/21/2025 15:31	WG2520014
Toluene	U		0.278	1.00	1	05/21/2025 15:31	WG2520014
1,1,1-Trichloroethane	U		0.149	1.00	1	05/21/2025 15:31	WG2520014
1,1,2-Trichloroethane	U		0.158	1.00	1	05/21/2025 15:31	WG2520014
Trichloroethene	U		0.190	1.00	1	05/21/2025 15:31	WG2520014
Trichlorofluoromethane	U		0.160	5.00	1	05/21/2025 15:31	WG2520014
1,2,3-Trichloropropane	U		0.237	2.50	1	05/21/2025 15:31	WG2520014
Vinyl acetate	U		0.692	10.0	1	05/21/2025 15:31	WG2520014
Vinyl chloride	U		0.234	1.00	1	05/21/2025 15:31	WG2520014
Xylenes, Total	U		0.174	3.00	1	05/21/2025 15:31	WG2520014
(S) Toluene-d8	*101*			*80.0-120*		*05/21/2025 15:31*	WG2520014
(S) 4-Bromofluorobenzene	*96.1*			*77.0-126*		*05/21/2025 15:31*	WG2520014
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*05/21/2025 15:31*	WG2520014

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	416000		10000	1	05/22/2025 17:29	WG2520881

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	10900		547	1000	1	05/27/2025 21:52	WG2518187
Sulfate	19800		637	5000	1	05/27/2025 21:52	WG2518187

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	816	J	495	1000	1	05/23/2025 05:50	WG2518948

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	U		0.310	4.00	1	05/30/2025 02:57	WG2523703
Arsenic	0.776	J	0.120	2.00	1	05/30/2025 02:57	WG2523703
Barium	211		0.500	2.00	1	05/30/2025 02:57	WG2523703
Beryllium	U		0.200	2.00	1	05/30/2025 02:57	WG2523703
Cadmium	U		0.120	1.00	1	05/30/2025 02:57	WG2523703
Chromium	U		0.900	2.00	1	05/30/2025 02:57	WG2523703
Copper	11.7		0.700	5.00	1	05/30/2025 02:57	WG2523703
Cobalt	0.151	J	0.100	2.00	1	05/30/2025 02:57	WG2523703
Iron	4570		113	500	5	05/30/2025 11:46	WG2523703
Lead	0.529	B J	0.500	2.00	1	05/30/2025 02:57	WG2523703
Manganese	573		3.50	25.0	5	05/30/2025 11:46	WG2523703
Nickel	U		0.500	2.00	1	05/30/2025 02:57	WG2523703
Selenium	U		0.250	2.00	1	05/30/2025 02:57	WG2523703
Silver	U		0.110	2.00	1	05/30/2025 02:57	WG2523703
Thallium	U		0.130	2.00	1	05/30/2025 02:57	WG2523703
Vanadium	U		0.520	5.00	1	05/30/2025 02:57	WG2523703
Zinc	7.37	B J	4.00	25.0	1	05/30/2025 02:57	WG2523703

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	05/21/2025 15:51	WG2520014
Acrylonitrile	U		0.671	10.0	1	05/21/2025 15:51	WG2520014
Benzene	U		0.0941	1.00	1	05/21/2025 15:51	WG2520014
Bromochloromethane	U		0.128	1.00	1	05/21/2025 15:51	WG2520014
Bromodichloromethane	U		0.136	1.00	1	05/21/2025 15:51	WG2520014
Bromoform	U		0.129	1.00	1	05/21/2025 15:51	WG2520014
Bromomethane	U	J4	0.605	5.00	1	05/21/2025 15:51	WG2520014
Carbon disulfide	U		0.0962	1.00	1	05/21/2025 15:51	WG2520014
Carbon tetrachloride	U		0.128	1.00	1	05/21/2025 15:51	WG2520014
Chlorobenzene	U		0.116	1.00	1	05/21/2025 15:51	WG2520014
Chlorodibromomethane	U		0.140	1.00	1	05/21/2025 15:51	WG2520014
Chloroethane	U		0.192	5.00	1	05/21/2025 15:51	WG2520014
Chloroform	U		0.111	5.00	1	05/21/2025 15:51	WG2520014
Chloromethane	U		0.960	2.50	1	05/21/2025 15:51	WG2520014
Dibromomethane	U		0.122	1.00	1	05/21/2025 15:51	WG2520014
1,2-Dibromoethane	U		0.126	1.00	1	05/21/2025 15:51	WG2520014
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	05/21/2025 15:51	WG2520014

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichlorobenzene	U		0.107	1.00	1	05/21/2025 15:51	WG2520014
1,4-Dichlorobenzene	U		0.120	1.00	1	05/21/2025 15:51	WG2520014
trans-1,4-Dichloro-2-butene	U		0.467	2.50	1	05/21/2025 15:51	WG2520014
1,1-Dichloroethane	0.312	J	0.100	1.00	1	05/21/2025 15:51	WG2520014
1,2-Dichloroethane	U		0.0819	1.00	1	05/21/2025 15:51	WG2520014
1,1-Dichloroethene	U		0.188	1.00	1	05/21/2025 15:51	WG2520014
cis-1,2-Dichloroethene	U		0.126	1.00	1	05/21/2025 15:51	WG2520014
trans-1,2-Dichloroethene	U		0.149	1.00	1	05/21/2025 15:51	WG2520014
1,2-Dichloropropane	U		0.149	1.00	1	05/21/2025 15:51	WG2520014
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/21/2025 15:51	WG2520014
trans-1,3-Dichloropropene	U		0.118	1.00	1	05/21/2025 15:51	WG2520014
Ethylbenzene	U		0.137	1.00	1	05/21/2025 15:51	WG2520014
2-Hexanone	U		0.787	10.0	1	05/21/2025 15:51	WG2520014
Iodomethane	U		6.00	10.0	1	05/21/2025 15:51	WG2520014
2-Butanone (MEK)	U		1.19	10.0	1	05/21/2025 15:51	WG2520014
Methylene Chloride	U		0.430	5.00	1	05/21/2025 15:51	WG2520014
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/21/2025 15:51	WG2520014
Styrene	U		0.118	1.00	1	05/21/2025 15:51	WG2520014
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	05/21/2025 15:51	WG2520014
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	05/21/2025 15:51	WG2520014
Tetrachloroethene	U		0.300	1.00	1	05/21/2025 15:51	WG2520014
Toluene	U		0.278	1.00	1	05/21/2025 15:51	WG2520014
1,1,1-Trichloroethane	U		0.149	1.00	1	05/21/2025 15:51	WG2520014
1,1,2-Trichloroethane	U		0.158	1.00	1	05/21/2025 15:51	WG2520014
Trichloroethene	U		0.190	1.00	1	05/21/2025 15:51	WG2520014
Trichlorofluoromethane	U		0.160	5.00	1	05/21/2025 15:51	WG2520014
1,2,3-Trichloropropane	U		0.237	2.50	1	05/21/2025 15:51	WG2520014
Vinyl acetate	U		0.692	10.0	1	05/21/2025 15:51	WG2520014
Vinyl chloride	U		0.234	1.00	1	05/21/2025 15:51	WG2520014
Xylenes, Total	U		0.174	3.00	1	05/21/2025 15:51	WG2520014
(S) Toluene-d8	*102*			*80.0-120*		*05/21/2025 15:51*	WG2520014
(S) 4-Bromofluorobenzene	*94.3*			*77.0-126*		*05/21/2025 15:51*	WG2520014
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*05/21/2025 15:51*	WG2520014

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	357000		10000	1	05/22/2025 17:29	WG2520881

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	7810		547	1000	1	05/27/2025 22:04	WG2518187
Sulfate	15400		637	5000	1	05/27/2025 22:04	WG2518187

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	20900		9900	20000	20	05/23/2025 06:09	WG2518948

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	0.355	B J	0.310	4.00	1	05/30/2025 03:06	WG2523703
Arsenic	1.21	J	0.120	2.00	1	05/30/2025 03:06	WG2523703
Barium	185		0.500	2.00	1	05/30/2025 03:06	WG2523703
Beryllium	U		0.200	2.00	1	05/30/2025 03:06	WG2523703
Cadmium	U		0.120	1.00	1	05/30/2025 03:06	WG2523703
Chromium	1.93	J	0.900	2.00	1	05/30/2025 03:06	WG2523703
Copper	35.3		0.700	5.00	1	05/30/2025 03:06	WG2523703
Cobalt	0.915	J	0.100	2.00	1	05/30/2025 03:06	WG2523703
Iron	6800		113	500	5	05/30/2025 11:49	WG2523703
Lead	1.94	B J	0.500	2.00	1	05/30/2025 03:06	WG2523703
Manganese	842		3.50	25.0	5	05/30/2025 11:49	WG2523703
Nickel	2.28		0.500	2.00	1	05/30/2025 03:06	WG2523703
Selenium	U		0.250	2.00	1	05/30/2025 03:06	WG2523703
Silver	U		0.110	2.00	1	05/30/2025 03:06	WG2523703
Thallium	U		0.130	2.00	1	05/30/2025 03:06	WG2523703
Vanadium	3.00	J	0.520	5.00	1	05/30/2025 03:06	WG2523703
Zinc	18.9	B J	4.00	25.0	1	05/30/2025 03:06	WG2523703

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	11.3	50.0	1	05/25/2025 13:54	WG2522802
Acrylonitrile	U		0.671	10.0	1	05/25/2025 13:54	WG2522802
Benzene	U		0.0941	1.00	1	05/25/2025 13:54	WG2522802
Bromochloromethane	U		0.128	1.00	1	05/25/2025 13:54	WG2522802
Bromodichloromethane	U		0.136	1.00	1	05/25/2025 13:54	WG2522802
Bromoform	U		0.129	1.00	1	05/25/2025 13:54	WG2522802
Bromomethane	U	C3	0.605	5.00	1	05/25/2025 13:54	WG2522802
Carbon disulfide	0.212	B J	0.0962	1.00	1	05/25/2025 13:54	WG2522802
Carbon tetrachloride	U		0.128	1.00	1	05/25/2025 13:54	WG2522802
Chlorobenzene	U		0.116	1.00	1	05/25/2025 13:54	WG2522802
Chlorodibromomethane	U		0.140	1.00	1	05/25/2025 13:54	WG2522802
Chloroethane	U		0.192	5.00	1	05/25/2025 13:54	WG2522802
Chloroform	U	J4	0.111	5.00	1	05/25/2025 13:54	WG2522802
Chloromethane	U		0.960	2.50	1	05/25/2025 13:54	WG2522802
Dibromomethane	U		0.122	1.00	1	05/25/2025 13:54	WG2522802
1,2-Dibromoethane	U		0.126	1.00	1	05/25/2025 13:54	WG2522802
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	05/25/2025 13:54	WG2522802

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichlorobenzene	U		0.107	1.00	1	05/25/2025 13:54	WG2522802
1,4-Dichlorobenzene	U		0.120	1.00	1	05/25/2025 13:54	WG2522802
trans-1,4-Dichloro-2-butene	U	C3 J3	0.467	2.50	1	05/25/2025 13:54	WG2522802
1,1-Dichloroethane	0.129	J	0.100	1.00	1	05/25/2025 13:54	WG2522802
1,2-Dichloroethane	U		0.0819	1.00	1	05/25/2025 13:54	WG2522802
1,1-Dichloroethene	U		0.188	1.00	1	05/25/2025 13:54	WG2522802
cis-1,2-Dichloroethene	U		0.126	1.00	1	05/25/2025 13:54	WG2522802
trans-1,2-Dichloroethene	U	J4	0.149	1.00	1	05/25/2025 13:54	WG2522802
1,2-Dichloropropane	U		0.149	1.00	1	05/25/2025 13:54	WG2522802
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/25/2025 13:54	WG2522802
trans-1,3-Dichloropropene	U		0.118	1.00	1	05/25/2025 13:54	WG2522802
Ethylbenzene	U		0.137	1.00	1	05/25/2025 13:54	WG2522802
2-Hexanone	U		0.787	10.0	1	05/25/2025 13:54	WG2522802
Iodomethane	U	C3	6.00	10.0	1	05/25/2025 13:54	WG2522802
2-Butanone (MEK)	U		1.19	10.0	1	05/25/2025 13:54	WG2522802
Methylene Chloride	U		0.430	5.00	1	05/25/2025 13:54	WG2522802
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/25/2025 13:54	WG2522802
Styrene	U		0.118	1.00	1	05/25/2025 13:54	WG2522802
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	05/25/2025 13:54	WG2522802
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	05/25/2025 13:54	WG2522802
Tetrachloroethene	U		0.300	1.00	1	05/25/2025 13:54	WG2522802
Toluene	U		0.278	1.00	1	05/25/2025 13:54	WG2522802
1,1,1-Trichloroethane	U		0.149	1.00	1	05/25/2025 13:54	WG2522802
1,1,2-Trichloroethane	U		0.158	1.00	1	05/25/2025 13:54	WG2522802
Trichloroethene	U	J4	0.190	1.00	1	05/25/2025 13:54	WG2522802
Trichlorofluoromethane	U		0.160	5.00	1	05/25/2025 13:54	WG2522802
1,2,3-Trichloropropane	U		0.237	2.50	1	05/25/2025 13:54	WG2522802
Vinyl acetate	U		0.692	10.0	1	05/25/2025 13:54	WG2522802
Vinyl chloride	U		0.234	1.00	1	05/25/2025 13:54	WG2522802
Xylenes, Total	U		0.174	3.00	1	05/25/2025 13:54	WG2522802
(S) Toluene-d8	*102*			*80.0-120*		*05/25/2025 13:54*	WG2522802
(S) 4-Bromofluorobenzene	*97.3*			*77.0-126*		*05/25/2025 13:54*	WG2522802
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*05/25/2025 13:54*	WG2522802

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	458000		10000	1	05/22/2025 17:29	WG2520881

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	15300		547	1000	1	05/27/2025 22:17	WG2518187
Sulfate	48900		637	5000	1	05/27/2025 22:17	WG2518187

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1330		495	1000	1	05/20/2025 16:49	WG2519021

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	U		0.310	4.00	1	05/30/2025 03:09	WG2523703
Arsenic	0.522	J	0.120	2.00	1	05/30/2025 03:09	WG2523703
Barium	289		0.500	2.00	1	05/30/2025 03:09	WG2523703
Beryllium	U		0.200	2.00	1	05/30/2025 03:09	WG2523703
Cadmium	U		0.120	1.00	1	05/30/2025 03:09	WG2523703
Chromium	U		0.900	2.00	1	05/30/2025 03:09	WG2523703
Copper	U		0.700	5.00	1	05/30/2025 03:09	WG2523703
Cobalt	U		0.100	2.00	1	05/30/2025 03:09	WG2523703
Iron	4390		113	500	5	05/30/2025 11:52	WG2523703
Lead	U		0.500	2.00	1	05/30/2025 03:09	WG2523703
Manganese	569		3.50	25.0	5	05/30/2025 11:52	WG2523703
Nickel	1.28	J	0.500	2.00	1	05/30/2025 03:09	WG2523703
Selenium	U		0.250	2.00	1	05/30/2025 03:09	WG2523703
Silver	U		0.110	2.00	1	05/30/2025 03:09	WG2523703
Thallium	U		0.130	2.00	1	05/30/2025 03:09	WG2523703
Vanadium	U		0.520	5.00	1	05/30/2025 03:09	WG2523703
Zinc	5.77	B J	4.00	25.0	1	05/30/2025 03:09	WG2523703

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	05/21/2025 16:10	WG2520014
Acrylonitrile	U		0.671	10.0	1	05/21/2025 16:10	WG2520014
Benzene	U		0.0941	1.00	1	05/21/2025 16:10	WG2520014
Bromochloromethane	U		0.128	1.00	1	05/21/2025 16:10	WG2520014
Bromodichloromethane	U		0.136	1.00	1	05/21/2025 16:10	WG2520014
Bromoform	U		0.129	1.00	1	05/21/2025 16:10	WG2520014
Bromomethane	U	J4	0.605	5.00	1	05/21/2025 16:10	WG2520014
Carbon disulfide	U		0.0962	1.00	1	05/21/2025 16:10	WG2520014
Carbon tetrachloride	U		0.128	1.00	1	05/21/2025 16:10	WG2520014
Chlorobenzene	U		0.116	1.00	1	05/21/2025 16:10	WG2520014
Chlorodibromomethane	U		0.140	1.00	1	05/21/2025 16:10	WG2520014
Chloroethane	U		0.192	5.00	1	05/21/2025 16:10	WG2520014
Chloroform	U		0.111	5.00	1	05/21/2025 16:10	WG2520014
Chloromethane	U		0.960	2.50	1	05/21/2025 16:10	WG2520014
Dibromomethane	U		0.122	1.00	1	05/21/2025 16:10	WG2520014
1,2-Dibromoethane	U		0.126	1.00	1	05/21/2025 16:10	WG2520014
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	05/21/2025 16:10	WG2520014

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dichlorobenzene	U		0.107	1.00	1	05/21/2025 16:10	WG2520014
1,4-Dichlorobenzene	U		0.120	1.00	1	05/21/2025 16:10	WG2520014
trans-1,4-Dichloro-2-butene	U		0.467	2.50	1	05/21/2025 16:10	WG2520014
1,1-Dichloroethane	U		0.100	1.00	1	05/21/2025 16:10	WG2520014
1,2-Dichloroethane	U		0.0819	1.00	1	05/21/2025 16:10	WG2520014
1,1-Dichloroethene	U		0.188	1.00	1	05/21/2025 16:10	WG2520014
cis-1,2-Dichloroethene	U		0.126	1.00	1	05/21/2025 16:10	WG2520014
trans-1,2-Dichloroethene	U		0.149	1.00	1	05/21/2025 16:10	WG2520014
1,2-Dichloropropane	U		0.149	1.00	1	05/21/2025 16:10	WG2520014
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/21/2025 16:10	WG2520014
trans-1,3-Dichloropropene	U		0.118	1.00	1	05/21/2025 16:10	WG2520014
Ethylbenzene	U		0.137	1.00	1	05/21/2025 16:10	WG2520014
2-Hexanone	U		0.787	10.0	1	05/21/2025 16:10	WG2520014
Iodomethane	U		6.00	10.0	1	05/21/2025 16:10	WG2520014
2-Butanone (MEK)	U		1.19	10.0	1	05/21/2025 16:10	WG2520014
Methylene Chloride	U		0.430	5.00	1	05/21/2025 16:10	WG2520014
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/21/2025 16:10	WG2520014
Styrene	U		0.118	1.00	1	05/21/2025 16:10	WG2520014
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	05/21/2025 16:10	WG2520014
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	05/21/2025 16:10	WG2520014
Tetrachloroethene	U		0.300	1.00	1	05/21/2025 16:10	WG2520014
Toluene	U		0.278	1.00	1	05/21/2025 16:10	WG2520014
1,1,1-Trichloroethane	U		0.149	1.00	1	05/21/2025 16:10	WG2520014
1,1,2-Trichloroethane	U		0.158	1.00	1	05/21/2025 16:10	WG2520014
Trichloroethene	U		0.190	1.00	1	05/21/2025 16:10	WG2520014
Trichlorofluoromethane	U		0.160	5.00	1	05/21/2025 16:10	WG2520014
1,2,3-Trichloropropane	U		0.237	2.50	1	05/21/2025 16:10	WG2520014
Vinyl acetate	U		0.692	10.0	1	05/21/2025 16:10	WG2520014
Vinyl chloride	0.314	J	0.234	1.00	1	05/21/2025 16:10	WG2520014
Xylenes, Total	U		0.174	3.00	1	05/21/2025 16:10	WG2520014
(S) Toluene-d8	*103*			*80.0-120*		*05/21/2025 16:10*	WG2520014
(S) 4-Bromofluorobenzene	*95.1*			*77.0-126*		*05/21/2025 16:10*	WG2520014
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*05/21/2025 16:10*	WG2520014

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5460000		200000	1	05/22/2025 17:29	WG2520881

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	2090000		27400	50000	50	05/27/2025 22:42	WG2518187
Sulfate	6810	J	6370	50000	10	05/27/2025 22:30	WG2518187

Sample Narrative:

L1860472-07 WG2518187: Dilution due to matrix impact on instrumentation at lower dilution

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	477000		9900	20000	20	05/20/2025 17:54	WG2519021

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	26.2	J	2.79	36.0	9	05/28/2025 18:33	WG2524244
Arsenic	119		1.08	18.0	9	05/28/2025 18:33	WG2524244
Barium	2510		4.50	18.0	9	05/28/2025 18:33	WG2524244
Beryllium	U		1.80	18.0	9	05/28/2025 18:33	WG2524244
Cadmium	U		1.08	9.00	9	05/28/2025 18:33	WG2524244
Chromium	62.8		8.10	18.0	9	05/28/2025 18:33	WG2524244
Copper	11.0	J	6.30	45.0	9	05/28/2025 18:33	WG2524244
Cobalt	58.7		0.900	18.0	9	05/28/2025 18:33	WG2524244
Iron	22900		203	900	9	05/28/2025 18:33	WG2524244
Lead	5.54	J	4.50	18.0	9	05/28/2025 18:33	WG2524244
Manganese	635		6.30	45.0	9	05/28/2025 18:33	WG2524244
Nickel	162		4.50	18.0	9	05/28/2025 18:33	WG2524244
Selenium	3.46	J	2.25	18.0	9	05/28/2025 18:33	WG2524244
Silver	U		0.990	18.0	9	05/28/2025 18:33	WG2524244
Thallium	U		1.17	18.0	9	05/28/2025 18:33	WG2524244
Vanadium	41.4	J	4.68	45.0	9	05/28/2025 18:33	WG2524244
Zinc	69.3	J	36.0	225	9	05/28/2025 18:33	WG2524244

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	2480	C3	113	500	10	05/21/2025 18:28	WG2520014
Acrylonitrile	U		6.71	100	10	05/21/2025 18:28	WG2520014
Benzene	1.88	J	0.941	10.0	10	05/21/2025 18:28	WG2520014
Bromochloromethane	U		1.28	10.0	10	05/21/2025 18:28	WG2520014
Bromodichloromethane	U		1.36	10.0	10	05/21/2025 18:28	WG2520014
Bromoform	U		1.29	10.0	10	05/21/2025 18:28	WG2520014
Bromomethane	U	J4	6.05	50.0	10	05/21/2025 18:28	WG2520014
Carbon disulfide	U		0.962	10.0	10	05/21/2025 18:28	WG2520014
Carbon tetrachloride	U		1.28	10.0	10	05/21/2025 18:28	WG2520014
Chlorobenzene	U		1.16	10.0	10	05/21/2025 18:28	WG2520014
Chlorodibromomethane	U		1.40	10.0	10	05/21/2025 18:28	WG2520014
Chloroethane	U		1.92	50.0	10	05/21/2025 18:28	WG2520014
Chloroform	U		1.11	50.0	10	05/21/2025 18:28	WG2520014
Chloromethane	U		9.60	25.0	10	05/21/2025 18:28	WG2520014

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dibromomethane	U		1.22	10.0	10	05/21/2025 18:28	WG2520014
1,2-Dibromoethane	U		1.26	10.0	10	05/21/2025 18:28	WG2520014
1,2-Dibromo-3-Chloropropane	U		2.76	50.0	10	05/21/2025 18:28	WG2520014
1,2-Dichlorobenzene	U		1.07	10.0	10	05/21/2025 18:28	WG2520014
1,4-Dichlorobenzene	5.75	J	1.20	10.0	10	05/21/2025 18:28	WG2520014
trans-1,4-Dichloro-2-butene	U		4.67	25.0	10	05/21/2025 18:28	WG2520014
1,1-Dichloroethane	U		1.00	10.0	10	05/21/2025 18:28	WG2520014
1,2-Dichloroethane	U		0.819	10.0	10	05/21/2025 18:28	WG2520014
1,1-Dichloroethene	U		1.88	10.0	10	05/21/2025 18:28	WG2520014
cis-1,2-Dichloroethene	U		1.26	10.0	10	05/21/2025 18:28	WG2520014
trans-1,2-Dichloroethene	U		1.49	10.0	10	05/21/2025 18:28	WG2520014
1,2-Dichloropropane	U		1.49	10.0	10	05/21/2025 18:28	WG2520014
cis-1,3-Dichloropropene	U		1.11	10.0	10	05/21/2025 18:28	WG2520014
trans-1,3-Dichloropropene	U		1.18	10.0	10	05/21/2025 18:28	WG2520014
Ethylbenzene	8.25	J	1.37	10.0	10	05/21/2025 18:28	WG2520014
2-Hexanone	9.04	J	7.87	100	10	05/21/2025 18:28	WG2520014
Iodomethane	U		60.0	100	10	05/21/2025 18:28	WG2520014
2-Butanone (MEK)	2060		11.9	100	10	05/21/2025 18:28	WG2520014
Methylene Chloride	U		4.30	50.0	10	05/21/2025 18:28	WG2520014
4-Methyl-2-pentanone (MIBK)	48.8	J	4.78	100	10	05/21/2025 18:28	WG2520014
Styrene	U		1.18	10.0	10	05/21/2025 18:28	WG2520014
1,1,1,2-Tetrachloroethane	U		1.47	10.0	10	05/21/2025 18:28	WG2520014
1,1,2,2-Tetrachloroethane	U		1.33	10.0	10	05/21/2025 18:28	WG2520014
Tetrachloroethene	U		3.00	10.0	10	05/21/2025 18:28	WG2520014
Toluene	9.06	J	2.78	10.0	10	05/21/2025 18:28	WG2520014
1,1,1-Trichloroethane	U		1.49	10.0	10	05/21/2025 18:28	WG2520014
1,1,2-Trichloroethane	U		1.58	10.0	10	05/21/2025 18:28	WG2520014
Trichloroethene	U		1.90	10.0	10	05/21/2025 18:28	WG2520014
Trichlorofluoromethane	U		1.60	50.0	10	05/21/2025 18:28	WG2520014
1,2,3-Trichloropropane	U		2.37	25.0	10	05/21/2025 18:28	WG2520014
Vinyl acetate	U		6.92	100	10	05/21/2025 18:28	WG2520014
Vinyl chloride	U		2.34	10.0	10	05/21/2025 18:28	WG2520014
Xylenes, Total	16.9	J	1.74	30.0	10	05/21/2025 18:28	WG2520014
(S) Toluene-d8	*100*			*80.0-120*		*05/21/2025 18:28*	WG2520014
(S) 4-Bromofluorobenzene	*99.5*			*77.0-126*		*05/21/2025 18:28*	WG2520014
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*05/21/2025 18:28*	WG2520014

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	496000		13300	1	05/22/2025 17:29	WG2520881

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	138000		5470	10000	10	05/27/2025 22:55	WG2518187
Sulfate	U		6370	50000	10	05/27/2025 22:55	WG2518187

Sample Narrative:

L1860472-08 WG2518187: Dilution due to matrix impact on instrumentation at lower dilution

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	13200		495	1000	1	05/22/2025 22:18	WG2521000

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	1.93	B J	0.310	4.00	1	05/30/2025 03:12	WG2523703
Arsenic	11.4		0.120	2.00	1	05/30/2025 03:12	WG2523703
Barium	384		0.500	2.00	1	05/30/2025 03:12	WG2523703
Beryllium	U		0.200	2.00	1	05/30/2025 03:12	WG2523703
Cadmium	U		0.120	1.00	1	05/30/2025 03:12	WG2523703
Chromium	2.78		0.900	2.00	1	05/30/2025 03:12	WG2523703
Copper	105		0.700	5.00	1	05/30/2025 03:12	WG2523703
Cobalt	5.57		0.100	2.00	1	05/30/2025 03:12	WG2523703
Iron	3530		22.6	100	1	05/30/2025 03:12	WG2523703
Lead	5.50	B	0.500	2.00	1	05/30/2025 03:12	WG2523703
Manganese	254		0.700	5.00	1	05/30/2025 03:12	WG2523703
Nickel	13.5		0.500	2.00	1	05/30/2025 03:12	WG2523703
Selenium	U		0.250	2.00	1	05/30/2025 03:12	WG2523703
Silver	U		0.110	2.00	1	05/30/2025 03:12	WG2523703
Thallium	U		0.130	2.00	1	05/30/2025 03:12	WG2523703
Vanadium	2.72	J	0.520	5.00	1	05/30/2025 03:12	WG2523703
Zinc	46.4		4.00	25.0	1	05/30/2025 03:12	WG2523703

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	05/21/2025 16:29	WG2520014
Acrylonitrile	U		0.671	10.0	1	05/21/2025 16:29	WG2520014
Benzene	U		0.0941	1.00	1	05/21/2025 16:29	WG2520014
Bromochloromethane	U		0.128	1.00	1	05/21/2025 16:29	WG2520014
Bromodichloromethane	U		0.136	1.00	1	05/21/2025 16:29	WG2520014
Bromoform	U		0.129	1.00	1	05/21/2025 16:29	WG2520014
Bromomethane	U	J4	0.605	5.00	1	05/21/2025 16:29	WG2520014
Carbon disulfide	U		0.0962	1.00	1	05/21/2025 16:29	WG2520014
Carbon tetrachloride	U		0.128	1.00	1	05/21/2025 16:29	WG2520014
Chlorobenzene	U		0.116	1.00	1	05/21/2025 16:29	WG2520014
Chlorodibromomethane	U		0.140	1.00	1	05/21/2025 16:29	WG2520014
Chloroethane	U		0.192	5.00	1	05/21/2025 16:29	WG2520014
Chloroform	U		0.111	5.00	1	05/21/2025 16:29	WG2520014
Chloromethane	U		0.960	2.50	1	05/21/2025 16:29	WG2520014

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dibromomethane	U		0.122	1.00	1	05/21/2025 16:29	WG2520014
1,2-Dibromoethane	U		0.126	1.00	1	05/21/2025 16:29	WG2520014
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	05/21/2025 16:29	WG2520014
1,2-Dichlorobenzene	U		0.107	1.00	1	05/21/2025 16:29	WG2520014
1,4-Dichlorobenzene	1.26		0.120	1.00	1	05/21/2025 16:29	WG2520014
trans-1,4-Dichloro-2-butene	U		0.467	2.50	1	05/21/2025 16:29	WG2520014
1,1-Dichloroethane	0.146	J	0.100	1.00	1	05/21/2025 16:29	WG2520014
1,2-Dichloroethane	U		0.0819	1.00	1	05/21/2025 16:29	WG2520014
1,1-Dichloroethene	U		0.188	1.00	1	05/21/2025 16:29	WG2520014
cis-1,2-Dichloroethene	0.205	J	0.126	1.00	1	05/21/2025 16:29	WG2520014
trans-1,2-Dichloroethene	U		0.149	1.00	1	05/21/2025 16:29	WG2520014
1,2-Dichloropropane	U		0.149	1.00	1	05/21/2025 16:29	WG2520014
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/21/2025 16:29	WG2520014
trans-1,3-Dichloropropene	U		0.118	1.00	1	05/21/2025 16:29	WG2520014
Ethylbenzene	U		0.137	1.00	1	05/21/2025 16:29	WG2520014
2-Hexanone	U		0.787	10.0	1	05/21/2025 16:29	WG2520014
Iodomethane	U		6.00	10.0	1	05/21/2025 16:29	WG2520014
2-Butanone (MEK)	6.69	J	1.19	10.0	1	05/21/2025 16:29	WG2520014
Methylene Chloride	U		0.430	5.00	1	05/21/2025 16:29	WG2520014
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/21/2025 16:29	WG2520014
Styrene	U		0.118	1.00	1	05/21/2025 16:29	WG2520014
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	05/21/2025 16:29	WG2520014
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	05/21/2025 16:29	WG2520014
Tetrachloroethene	U		0.300	1.00	1	05/21/2025 16:29	WG2520014
Toluene	U		0.278	1.00	1	05/21/2025 16:29	WG2520014
1,1,1-Trichloroethane	U		0.149	1.00	1	05/21/2025 16:29	WG2520014
1,1,2-Trichloroethane	U		0.158	1.00	1	05/21/2025 16:29	WG2520014
Trichloroethene	U		0.190	1.00	1	05/21/2025 16:29	WG2520014
Trichlorofluoromethane	U		0.160	5.00	1	05/21/2025 16:29	WG2520014
1,2,3-Trichloropropane	U		0.237	2.50	1	05/21/2025 16:29	WG2520014
Vinyl acetate	U		0.692	10.0	1	05/21/2025 16:29	WG2520014
Vinyl chloride	U		0.234	1.00	1	05/21/2025 16:29	WG2520014
Xylenes, Total	0.379	J	0.174	3.00	1	05/21/2025 16:29	WG2520014
(S) Toluene-d8	*101*			*80.0-120*		*05/21/2025 16:29*	WG2520014
(S) 4-Bromofluorobenzene	*96.4*			*77.0-126*		*05/21/2025 16:29*	WG2520014
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*05/21/2025 16:29*	WG2520014

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5820000		200000	1	05/22/2025 14:40	WG2520212

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	1640000		27400	50000	50	05/27/2025 23:20	WG2518187
Sulfate	15200	J	6370	50000	10	05/27/2025 23:07	WG2518187

Sample Narrative:

L1860472-09 WG2518187: Dilution due to matrix impact on instrumentation at lower dilution

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	447000		9900	20000	20	05/22/2025 22:40	WG2521000

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	2.81	J	2.79	36.0	9	05/28/2025 18:36	WG2524244
Arsenic	55.9		1.08	18.0	9	05/28/2025 18:36	WG2524244
Barium	1800		4.50	18.0	9	05/28/2025 18:36	WG2524244
Beryllium	U		1.80	18.0	9	05/28/2025 18:36	WG2524244
Cadmium	U		1.08	9.00	9	05/28/2025 18:36	WG2524244
Chromium	50.2		8.10	18.0	9	05/28/2025 18:36	WG2524244
Copper	U		6.30	45.0	9	05/28/2025 18:36	WG2524244
Cobalt	29.8		0.900	18.0	9	05/28/2025 18:36	WG2524244
Iron	16500		203	900	9	05/28/2025 18:36	WG2524244
Lead	U		4.50	18.0	9	05/28/2025 18:36	WG2524244
Manganese	2090		6.30	45.0	9	05/28/2025 18:36	WG2524244
Nickel	142		4.50	18.0	9	05/28/2025 18:36	WG2524244
Selenium	U		2.25	18.0	9	05/28/2025 18:36	WG2524244
Silver	U		0.110	2.00	1	06/02/2025 01:28	WG2527249
Thallium	U		1.17	18.0	9	05/28/2025 18:36	WG2524244
Vanadium	43.4	J	4.68	45.0	9	05/28/2025 18:36	WG2524244
Zinc	109	J	36.0	225	9	05/28/2025 18:36	WG2524244

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	05/21/2025 17:49	WG2520014
Acrylonitrile	U		0.671	10.0	1	05/21/2025 17:49	WG2520014
Benzene	1.57		0.0941	1.00	1	05/21/2025 17:49	WG2520014
Bromochloromethane	U		0.128	1.00	1	05/21/2025 17:49	WG2520014
Bromodichloromethane	U		0.136	1.00	1	05/21/2025 17:49	WG2520014
Bromoform	U		0.129	1.00	1	05/21/2025 17:49	WG2520014
Bromomethane	U	J4	0.605	5.00	1	05/21/2025 17:49	WG2520014
Carbon disulfide	0.280	J	0.0962	1.00	1	05/21/2025 17:49	WG2520014
Carbon tetrachloride	U		0.128	1.00	1	05/21/2025 17:49	WG2520014
Chlorobenzene	U		0.116	1.00	1	05/21/2025 17:49	WG2520014
Chlorodibromomethane	U		0.140	1.00	1	05/21/2025 17:49	WG2520014
Chloroethane	U		0.192	5.00	1	05/21/2025 17:49	WG2520014
Chloroform	U		0.111	5.00	1	05/21/2025 17:49	WG2520014
Chloromethane	U		0.960	2.50	1	05/21/2025 17:49	WG2520014

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dibromomethane	U		0.122	1.00	1	05/21/2025 17:49	WG2520014
1,2-Dibromoethane	U		0.126	1.00	1	05/21/2025 17:49	WG2520014
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	05/21/2025 17:49	WG2520014
1,2-Dichlorobenzene	U		0.107	1.00	1	05/21/2025 17:49	WG2520014
1,4-Dichlorobenzene	0.691	J	0.120	1.00	1	05/21/2025 17:49	WG2520014
trans-1,4-Dichloro-2-butene	U		0.467	2.50	1	05/21/2025 17:49	WG2520014
1,1-Dichloroethane	U		0.100	1.00	1	05/21/2025 17:49	WG2520014
1,2-Dichloroethane	0.743	J	0.0819	1.00	1	05/21/2025 17:49	WG2520014
1,1-Dichloroethene	U		0.188	1.00	1	05/21/2025 17:49	WG2520014
cis-1,2-Dichloroethene	0.609	J	0.126	1.00	1	05/21/2025 17:49	WG2520014
trans-1,2-Dichloroethene	0.504	J	0.149	1.00	1	05/21/2025 17:49	WG2520014
1,2-Dichloropropane	0.163	J	0.149	1.00	1	05/21/2025 17:49	WG2520014
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/21/2025 17:49	WG2520014
trans-1,3-Dichloropropene	U		0.118	1.00	1	05/21/2025 17:49	WG2520014
Ethylbenzene	U		0.137	1.00	1	05/21/2025 17:49	WG2520014
2-Hexanone	1.10	J	0.787	10.0	1	05/21/2025 17:49	WG2520014
Iodomethane	U		6.00	10.0	1	05/21/2025 17:49	WG2520014
2-Butanone (MEK)	U		1.19	10.0	1	05/21/2025 17:49	WG2520014
Methylene Chloride	0.465	J	0.430	5.00	1	05/21/2025 17:49	WG2520014
4-Methyl-2-pentanone (MIBK)	6.54	J	0.478	10.0	1	05/21/2025 17:49	WG2520014
Styrene	U		0.118	1.00	1	05/21/2025 17:49	WG2520014
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	05/21/2025 17:49	WG2520014
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	05/21/2025 17:49	WG2520014
Tetrachloroethene	U		0.300	1.00	1	05/21/2025 17:49	WG2520014
Toluene	2.31		0.278	1.00	1	05/21/2025 17:49	WG2520014
1,1,1-Trichloroethane	U		0.149	1.00	1	05/21/2025 17:49	WG2520014
1,1,2-Trichloroethane	U		0.158	1.00	1	05/21/2025 17:49	WG2520014
Trichloroethene	U		0.190	1.00	1	05/21/2025 17:49	WG2520014
Trichlorofluoromethane	U		0.160	5.00	1	05/21/2025 17:49	WG2520014
1,2,3-Trichloropropane	U		0.237	2.50	1	05/21/2025 17:49	WG2520014
Vinyl acetate	U		0.692	10.0	1	05/21/2025 17:49	WG2520014
Vinyl chloride	0.504	J	0.234	1.00	1	05/21/2025 17:49	WG2520014
Xylenes, Total	11.7		0.174	3.00	1	05/21/2025 17:49	WG2520014
(S) Toluene-d8	*101*			*80.0-120*		*05/21/2025 17:49*	WG2520014
(S) 4-Bromofluorobenzene	*98.1*			*77.0-126*		*05/21/2025 17:49*	WG2520014
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*05/21/2025 17:49*	WG2520014

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	26000	B	10000	1	05/22/2025 14:40	WG2520212

Sample Narrative:

L1860472-10 WG2520212: Duplicate Analysis performed due to Blank contamination. Results confirm; reporting in-hold data.

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	U		547	1000	1	05/27/2025 23:58	WG2518187
Sulfate	849	J	637	5000	1	05/27/2025 23:58	WG2518187

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	U		495	1000	1	05/22/2025 22:55	WG2521000

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	U		0.310	4.00	1	05/29/2025 23:58	WG2523707
Arsenic	U		0.120	2.00	1	05/29/2025 23:58	WG2523707
Barium	U		0.500	2.00	1	05/29/2025 23:58	WG2523707
Beryllium	U		0.200	2.00	1	05/29/2025 23:58	WG2523707
Cadmium	U		0.120	1.00	1	05/29/2025 23:58	WG2523707
Chromium	U		0.900	2.00	1	05/29/2025 23:58	WG2523707
Copper	U		0.700	5.00	1	05/29/2025 23:58	WG2523707
Cobalt	U		0.100	2.00	1	05/29/2025 23:58	WG2523707
Iron	U		22.6	100	1	05/29/2025 23:58	WG2523707
Lead	U		0.500	2.00	1	05/29/2025 23:58	WG2523707
Manganese	U		0.700	5.00	1	05/29/2025 23:58	WG2523707
Nickel	U		0.500	2.00	1	05/29/2025 23:58	WG2523707
Selenium	U		0.250	2.00	1	05/29/2025 23:58	WG2523707
Silver	U		0.110	2.00	1	05/29/2025 23:58	WG2523707
Thallium	U		0.130	2.00	1	05/29/2025 23:58	WG2523707
Vanadium	0.650	B J	0.520	5.00	1	05/29/2025 23:58	WG2523707
Zinc	U		4.00	25.0	1	05/29/2025 23:58	WG2523707

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	05/21/2025 22:39	WG2520034
Acrylonitrile	U	J3	0.671	10.0	1	05/21/2025 22:39	WG2520034
Benzene	U		0.0941	1.00	1	05/21/2025 22:39	WG2520034
Bromochloromethane	U		0.128	1.00	1	05/21/2025 22:39	WG2520034
Bromodichloromethane	U		0.136	1.00	1	05/21/2025 22:39	WG2520034
Bromoform	U		0.129	1.00	1	05/21/2025 22:39	WG2520034
Bromomethane	U		0.605	5.00	1	05/21/2025 22:39	WG2520034
Carbon disulfide	U		0.0962	1.00	1	05/21/2025 22:39	WG2520034
Carbon tetrachloride	U	J4	0.128	1.00	1	05/21/2025 22:39	WG2520034
Chlorobenzene	U		0.116	1.00	1	05/21/2025 22:39	WG2520034
Chlorodibromomethane	U		0.140	1.00	1	05/21/2025 22:39	WG2520034
Chloroethane	U		0.192	5.00	1	05/21/2025 22:39	WG2520034
Chloroform	U	J4	0.111	5.00	1	05/21/2025 22:39	WG2520034
Chloromethane	U	J3	0.960	2.50	1	05/21/2025 22:39	WG2520034

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dibromomethane	U		0.122	1.00	1	05/21/2025 22:39	WG2520034
1,2-Dibromoethane	U		0.126	1.00	1	05/21/2025 22:39	WG2520034
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	05/21/2025 22:39	WG2520034
1,2-Dichlorobenzene	U		0.107	1.00	1	05/21/2025 22:39	WG2520034
1,4-Dichlorobenzene	U		0.120	1.00	1	05/21/2025 22:39	WG2520034
trans-1,4-Dichloro-2-butene	U		0.467	2.50	1	05/21/2025 22:39	WG2520034
1,1-Dichloroethane	U		0.100	1.00	1	05/21/2025 22:39	WG2520034
1,2-Dichloroethane	U		0.0819	1.00	1	05/21/2025 22:39	WG2520034
1,1-Dichloroethene	U		0.188	1.00	1	05/21/2025 22:39	WG2520034
cis-1,2-Dichloroethene	U		0.126	1.00	1	05/21/2025 22:39	WG2520034
trans-1,2-Dichloroethene	U	J4	0.149	1.00	1	05/21/2025 22:39	WG2520034
1,2-Dichloropropane	U		0.149	1.00	1	05/21/2025 22:39	WG2520034
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/21/2025 22:39	WG2520034
trans-1,3-Dichloropropene	U		0.118	1.00	1	05/21/2025 22:39	WG2520034
Ethylbenzene	U		0.137	1.00	1	05/21/2025 22:39	WG2520034
2-Hexanone	U		0.787	10.0	1	05/21/2025 22:39	WG2520034
Iodomethane	U		6.00	10.0	1	05/21/2025 22:39	WG2520034
2-Butanone (MEK)	U	J3	1.19	10.0	1	05/21/2025 22:39	WG2520034
Methylene Chloride	U		0.430	5.00	1	05/21/2025 22:39	WG2520034
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/21/2025 22:39	WG2520034
Styrene	U		0.118	1.00	1	05/21/2025 22:39	WG2520034
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	05/21/2025 22:39	WG2520034
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	05/21/2025 22:39	WG2520034
Tetrachloroethene	U		0.300	1.00	1	05/21/2025 22:39	WG2520034
Toluene	U		0.278	1.00	1	05/21/2025 22:39	WG2520034
1,1,1-Trichloroethane	U	J4	0.149	1.00	1	05/21/2025 22:39	WG2520034
1,1,2-Trichloroethane	U		0.158	1.00	1	05/21/2025 22:39	WG2520034
Trichloroethene	U		0.190	1.00	1	05/21/2025 22:39	WG2520034
Trichlorofluoromethane	U		0.160	5.00	1	05/21/2025 22:39	WG2520034
1,2,3-Trichloropropane	U		0.237	2.50	1	05/21/2025 22:39	WG2520034
Vinyl acetate	U		0.692	10.0	1	05/21/2025 22:39	WG2520034
Vinyl chloride	U	J3	0.234	1.00	1	05/21/2025 22:39	WG2520034
Xylenes, Total	U		0.174	3.00	1	05/21/2025 22:39	WG2520034
(S) Toluene-d8	*103*			*80.0-120*		*05/21/2025 22:39*	WG2520034
(S) 4-Bromofluorobenzene	*96.8*			*77.0-126*		*05/21/2025 22:39*	WG2520034
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*05/21/2025 22:39*	WG2520034

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	05/21/2025 20:24	WG2520034
Acrylonitrile	U	J3	0.671	10.0	1	05/21/2025 20:24	WG2520034
Benzene	U		0.0941	1.00	1	05/21/2025 20:24	WG2520034
Bromochloromethane	U		0.128	1.00	1	05/21/2025 20:24	WG2520034
Bromodichloromethane	U		0.136	1.00	1	05/21/2025 20:24	WG2520034
Bromoform	U		0.129	1.00	1	05/21/2025 20:24	WG2520034
Bromomethane	U		0.605	5.00	1	05/21/2025 20:24	WG2520034
Carbon disulfide	U		0.0962	1.00	1	05/21/2025 20:24	WG2520034
Carbon tetrachloride	U	J4	0.128	1.00	1	05/21/2025 20:24	WG2520034
Chlorobenzene	U		0.116	1.00	1	05/21/2025 20:24	WG2520034
Chlorodibromomethane	U		0.140	1.00	1	05/21/2025 20:24	WG2520034
Chloroethane	U		0.192	5.00	1	05/21/2025 20:24	WG2520034
Chloroform	U	J4	0.111	5.00	1	05/21/2025 20:24	WG2520034
Chloromethane	U	J3	0.960	2.50	1	05/21/2025 20:24	WG2520034
Dibromomethane	U		0.122	1.00	1	05/21/2025 20:24	WG2520034
1,2-Dibromoethane	U		0.126	1.00	1	05/21/2025 20:24	WG2520034
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	05/21/2025 20:24	WG2520034
1,2-Dichlorobenzene	U		0.107	1.00	1	05/21/2025 20:24	WG2520034
1,4-Dichlorobenzene	U		0.120	1.00	1	05/21/2025 20:24	WG2520034
trans-1,4-Dichloro-2-butene	U		0.467	2.50	1	05/21/2025 20:24	WG2520034
1,1-Dichloroethane	U		0.100	1.00	1	05/21/2025 20:24	WG2520034
1,2-Dichloroethane	U		0.0819	1.00	1	05/21/2025 20:24	WG2520034
1,1-Dichloroethene	U		0.188	1.00	1	05/21/2025 20:24	WG2520034
cis-1,2-Dichloroethene	U		0.126	1.00	1	05/21/2025 20:24	WG2520034
trans-1,2-Dichloroethene	U	J4	0.149	1.00	1	05/21/2025 20:24	WG2520034
1,2-Dichloropropane	U		0.149	1.00	1	05/21/2025 20:24	WG2520034
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/21/2025 20:24	WG2520034
trans-1,3-Dichloropropene	U		0.118	1.00	1	05/21/2025 20:24	WG2520034
Ethylbenzene	U		0.137	1.00	1	05/21/2025 20:24	WG2520034
2-Hexanone	U		0.787	10.0	1	05/21/2025 20:24	WG2520034
Iodomethane	U		6.00	10.0	1	05/21/2025 20:24	WG2520034
2-Butanone (MEK)	U	J3	1.19	10.0	1	05/21/2025 20:24	WG2520034
Methylene Chloride	U		0.430	5.00	1	05/21/2025 20:24	WG2520034
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/21/2025 20:24	WG2520034
Styrene	U		0.118	1.00	1	05/21/2025 20:24	WG2520034
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	05/21/2025 20:24	WG2520034
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	05/21/2025 20:24	WG2520034
Tetrachloroethene	U		0.300	1.00	1	05/21/2025 20:24	WG2520034
Toluene	U		0.278	1.00	1	05/21/2025 20:24	WG2520034
1,1,1-Trichloroethane	U	J4	0.149	1.00	1	05/21/2025 20:24	WG2520034
1,1,2-Trichloroethane	U		0.158	1.00	1	05/21/2025 20:24	WG2520034
Trichloroethene	U		0.190	1.00	1	05/21/2025 20:24	WG2520034
Trichlorofluoromethane	U		0.160	5.00	1	05/21/2025 20:24	WG2520034
1,2,3-Trichloropropane	U		0.237	2.50	1	05/21/2025 20:24	WG2520034
Vinyl acetate	U		0.692	10.0	1	05/21/2025 20:24	WG2520034
Vinyl chloride	U	J3	0.234	1.00	1	05/21/2025 20:24	WG2520034
Xylenes, Total	U		0.174	3.00	1	05/21/2025 20:24	WG2520034
(S) Toluene-d8	*101*			*80.0-120*		*05/21/2025 20:24*	WG2520034
(S) 4-Bromofluorobenzene	*94.4*			*77.0-126*		*05/21/2025 20:24*	WG2520034
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*05/21/2025 20:24*	WG2520034

Method Blank (MB)

(MB) R4220139-1 05/22/25 14:40

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Dissolved Solids	43000		10000	10000

L1860426-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1860426-01 05/22/25 14:40 • (DUP) R4220139-3 05/22/25 14:40

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	517000	525000	1	1.54		10

L1860573-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1860573-03 05/22/25 14:40 • (DUP) R4220139-4 05/22/25 14:40

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	16200000	16400000	1	1.72		10

Laboratory Control Sample (LCS)

(LCS) R4220139-2 05/22/25 14:40

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800000	8860000	101	90.0-110	

QUALITY CONTROL SUMMARY

L1860472-03,04,05,06,07,08

Method Blank (MB)

(MB) R4220273-1 05/22/25 17:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Dissolved Solids	U	J	10000	10000

L1859896-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1859896-01 05/22/25 17:29 • (DUP) R4220273-3 05/22/25 17:29

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	667000	693000	1	3.92		10

L1860472-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1860472-08 05/22/25 17:29 • (DUP) R4220273-4 05/22/25 17:29

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	496000	511000	1	2.91		10

Laboratory Control Sample (LCS)

(LCS) R4220273-2 05/22/25 17:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800000	8980000	102	90.0-110	

Method Blank (MB)

(MB) R4221906-1 05/26/25 15:38

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Dissolved Solids	U		10000	10000

L1860472-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1860472-01 05/26/25 15:38 • (DUP) R4221906-3 05/26/25 15:38

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	229000	223000	1	2.65		10

L1862944-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1862944-10 05/26/25 15:38 • (DUP) R4221906-4 05/26/25 15:38

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	3900000	3960000	1	1.53		10

Laboratory Control Sample (LCS)

(LCS) R4221906-2 05/26/25 15:38

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800000	8630000	98.1	90.0-110	

Method Blank (MB)

(MB) R4221455-1 05/27/25 12:03

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloride	U		547	1000
Sulfate	U		637	5000

L1860460-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1860460-03 05/27/25 18:29 • (DUP) R4221455-3 05/27/25 18:42

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	4740	4650	1	1.93		15
Sulfate	928	U	1	200	P1	15

L1860460-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1860460-07 05/27/25 20:29 • (DUP) R4221455-6 05/27/25 20:43

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	U	U	1	0.000		15
Sulfate	U	U	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R4221455-2 05/27/25 12:16

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	38500	96.2	80.0-120	
Sulfate	40000	38300	95.8	80.0-120	

L1860460-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1860460-03 05/27/25 18:29 • (MS) R4221455-4 05/27/25 18:56 • (MSD) R4221455-5 05/27/25 19:09

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 %
Chloride	40000	4740	44400	44200	99.1	98.6	1	80.0-120			0.425	15
Sulfate	40000	928	40200	40200	98.2	98.1	1	80.0-120			0.123	15

L1860460-07 Original Sample (OS) • Matrix Spike (MS)

(OS) L1860460-07 05/27/25 20:29 • (MS) R4221455-7 05/27/25 20:56

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40000	U	38800	97.0	1	80.0-120	
Sulfate	40000	U	38800	97.1	1	80.0-120	

QUALITY CONTROL SUMMARY

L1860472-04,05,06,07,08,09,10

Method Blank (MB)

(MB) R4221562-1 05/27/25 20:37

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloride	U		547	1000
Sulfate	U		637	5000

L1860453-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1860453-01 05/27/25 21:02 • (DUP) R4221562-3 05/27/25 21:14

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	29300	30100	1	2.51		15

L1860952-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1860952-11 05/28/25 00:48 • (DUP) R4221562-5 05/28/25 01:01

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	27900	27700	1	0.675		15
Sulfate	27500	27300	1	0.793		15

L1860453-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1860453-01 05/29/25 15:11 • (DUP) R4222973-1 05/29/25 15:24

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	116000	116000	5	0.248		15

Laboratory Control Sample (LCS)

(LCS) R4221562-2 05/27/25 20:49

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	40000	100	80.0-120	
Sulfate	40000	40800	102	80.0-120	

L1860453-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1860453-01 05/27/25 21:02 • (MS) R4221562-4 05/27/25 21:27

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40000	29300	62200	82.2	1	80.0-120	
Sulfate	40000	114000	127000	32.3	1	80.0-120	E J6

L1860952-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1860952-11 05/28/25 00:48 • (MS) R4221562-6 05/28/25 01:13 • (MSD) R4221562-7 05/28/25 01:26

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 %
Chloride	40000	27900	62100	61000	85.4	82.9	1	80.0-120			1.66	15
Sulfate	40000	27500	62400	61000	87.1	83.5	1	80.0-120			2.32	15

Method Blank (MB)

(MB) R4219292-2 05/22/25 19:25

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

L1860229-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1860229-05 05/23/25 00:01 • (DUP) R4219292-5 05/23/25 00:31

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	1870	1860	1	0.483		20

L1860229-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1860229-09 05/23/25 03:39 • (DUP) R4219292-8 05/23/25 04:04

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	2350	2420	1	2.86		20

Laboratory Control Sample (LCS)

(LCS) R4219292-1 05/22/25 19:08

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
TOC (Total Organic Carbon)	25000	24600	98.4	80.0-120	

L1860229-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1860229-04 05/22/25 22:50 • (MS) R4219292-3 05/22/25 23:15 • (MSD) R4219292-4 05/22/25 23:40

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	%	%		%			%	%
TOC (Total Organic Carbon)	25000	2260	27400	27600	101	101	1	75.0-125			0.690	20

L1860229-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1860229-07 05/23/25 02:26 • (MS) R4219292-6 05/23/25 02:50 • (MSD) R4219292-7 05/23/25 03:14

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	%	%		%			%	%
TOC (Total Organic Carbon)	25000	1880	26900	27100	100	101	1	75.0-125			0.815	20

Method Blank (MB)

(MB) R4217740-4 05/20/25 13:49

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

L1860472-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1860472-07 05/20/25 17:54 • (DUP) R4217740-1 05/20/25 18:15

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	477000	483000	20	1.05		20

Laboratory Control Sample (LCS)

(LCS) R4217740-5 05/20/25 13:33

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	25000	27300	109	80.0-120	

L1860472-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1860472-06 05/20/25 16:49 • (MS) R4217740-3 05/20/25 17:11 • (MSD) R4217740-2 05/20/25 17:34

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 %
TOC (Total Organic Carbon)	25000	1330	28700	28500	109	109	1	75.0-125			0.618	20

Method Blank (MB)

(MB) R4219295-7 05/22/25 13:17

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

L1859115-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1859115-09 05/22/25 16:53 • (DUP) R4219295-4 05/22/25 17:11

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	5410	5460	1	0.917		20

L1859739-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1859739-05 05/22/25 21:20 • (DUP) R4219295-1 05/22/25 21:38

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	3680	3440	1	6.66		20

Laboratory Control Sample (LCS)

(LCS) R4219295-8 05/22/25 13:01

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	25000	24100	96.6	80.0-120	

L1859115-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1859115-08 05/22/25 15:49 • (MS) R4219295-6 05/22/25 16:13 • (MSD) R4219295-5 05/22/25 16:34

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 %
TOC (Total Organic Carbon)	25000	4050	27200	27200	92.7	92.7	1	75.0-125			0.00779	20

L1859125-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1859125-01 05/22/25 20:11 • (MS) R4219295-3 05/22/25 20:38 • (MSD) R4219295-2 05/22/25 21:02

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 %
TOC (Total Organic Carbon)	25000	U	24100	24500	96.6	97.8	1	75.0-125			1.27	20

Method Blank (MB)

(MB) R4222849-1 05/30/25 01:51

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Antimony	0.313	J	0.310	4.00
Arsenic	U		0.120	2.00
Barium	U		0.500	2.00
Beryllium	U		0.200	2.00
Cadmium	U		0.120	1.00
Chromium	U		0.900	2.00
Copper	U		0.700	5.00
Cobalt	U		0.100	2.00
Iron	U		22.6	100
Lead	0.660	J	0.500	2.00
Manganese	1.49	J	0.700	5.00
Nickel	U		0.500	2.00
Selenium	U		0.250	2.00
Silver	U		0.110	2.00
Thallium	U		0.130	2.00
Vanadium	U		0.520	5.00
Zinc	4.21	J	4.00	25.0

Laboratory Control Sample (LCS)

(LCS) R4222849-2 05/30/25 01:54

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	50.0	52.1	104	80.0-120	
Arsenic	50.0	50.8	102	80.0-120	
Barium	50.0	54.4	109	80.0-120	
Beryllium	50.0	51.2	102	80.0-120	
Cadmium	50.0	55.1	110	80.0-120	
Chromium	50.0	53.3	107	80.0-120	
Copper	50.0	53.6	107	80.0-120	
Cobalt	50.0	54.0	108	80.0-120	
Iron	1000	1040	104	80.0-120	
Lead	50.0	52.5	105	80.0-120	
Manganese	50.0	53.1	106	80.0-120	
Nickel	50.0	54.3	109	80.0-120	
Selenium	50.0	51.3	103	80.0-120	
Silver	50.0	54.4	109	80.0-120	
Thallium	50.0	51.6	103	80.0-120	
Vanadium	50.0	51.9	104	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4222849-2 05/30/25 01:54

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Zinc	50.0	52.7	105	80.0-120	

L1860422-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1860422-02 05/30/25 01:57 • (MS) R4222849-4 05/30/25 02:04 • (MSD) R4222849-5 05/30/25 02:07

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 %
Antimony	50.0	U	52.0	51.5	104	103	1	75.0-125			0.988	20
Arsenic	50.0	5.02	56.6	56.4	103	103	1	75.0-125			0.386	20
Barium	50.0	207	256	257	98.1	100	1	75.0-125			0.447	20
Beryllium	50.0	0.657	52.6	51.6	104	102	1	75.0-125			1.94	20
Cadmium	50.0	0.398	52.0	53.0	103	105	1	75.0-125			1.83	20
Chromium	50.0	5.63	58.1	58.1	105	105	1	75.0-125			0.0122	20
Copper	50.0	37.0	85.7	84.1	97.4	94.1	1	75.0-125			1.96	20
Cobalt	50.0	7.46	58.4	58.3	102	102	1	75.0-125			0.0625	20
Iron	1000	7300	8640	8900	134	160	1	75.0-125	V	V	2.97	20
Lead	50.0	21.5	72.9	71.8	103	101	1	75.0-125			1.48	20
Manganese	50.0	438	490	480	104	83.4	1	75.0-125			2.11	20
Nickel	50.0	15.6	67.4	67.2	104	103	1	75.0-125			0.246	20
Selenium	50.0	0.649	50.8	50.7	100	100	1	75.0-125			0.301	20
Silver	50.0	U	53.7	53.8	107	108	1	75.0-125			0.284	20
Thallium	50.0	0.135	49.6	50.2	99.0	100	1	75.0-125			1.10	20
Vanadium	50.0	18.7	69.8	70.6	102	104	1	75.0-125			1.12	20
Zinc	50.0	69.9	145	126	151	112	1	75.0-125	J5		14.3	20

Method Blank (MB)

(MB) R4222762-1 05/29/25 23:51

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Antimony	U		0.310	4.00
Arsenic	U		0.120	2.00
Barium	U		0.500	2.00
Beryllium	U		0.200	2.00
Cadmium	U		0.120	1.00
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
Manganese	U		0.700	5.00
Nickel	U		0.500	2.00
Selenium	U		0.250	2.00
Silver	U		0.110	2.00
Thallium	U		0.130	2.00
Vanadium	0.554	J	0.520	5.00
Zinc	U		4.00	25.0

Laboratory Control Sample (LCS)

(LCS) R4222762-2 05/29/25 23:55

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	50.0	46.7	93.3	80.0-120	
Arsenic	50.0	46.9	93.8	80.0-120	
Barium	50.0	46.0	92.0	80.0-120	
Beryllium	50.0	45.6	91.1	80.0-120	
Cadmium	50.0	51.0	102	80.0-120	
Chromium	50.0	49.1	98.2	80.0-120	
Copper	50.0	50.7	101	80.0-120	
Cobalt	50.0	49.4	98.8	80.0-120	
Iron	1000	974	97.4	80.0-120	
Lead	50.0	47.2	94.5	80.0-120	
Manganese	50.0	48.3	96.6	80.0-120	
Nickel	50.0	49.4	98.8	80.0-120	
Selenium	50.0	49.1	98.2	80.0-120	
Silver	50.0	48.8	97.6	80.0-120	
Thallium	50.0	46.0	92.0	80.0-120	
Vanadium	50.0	48.0	96.0	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4222762-2 05/29/25 23:55

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Zinc	50.0	47.6	95.3	80.0-120	

L1860472-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1860472-10 05/29/25 23:58 • (MS) R4222762-4 05/30/25 00:04 • (MSD) R4222762-5 05/30/25 00:07

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 %
Antimony	50.0	U	47.9	47.7	95.8	95.5	1	75.0-125			0.339	20
Arsenic	50.0	U	48.1	48.0	96.3	96.0	1	75.0-125			0.302	20
Barium	50.0	U	46.9	47.0	93.9	93.9	1	75.0-125			0.0593	20
Beryllium	50.0	U	46.8	47.4	93.7	94.8	1	75.0-125			1.19	20
Cadmium	50.0	U	51.2	51.5	102	103	1	75.0-125			0.572	20
Chromium	50.0	U	49.5	50.0	99.1	100	1	75.0-125			1.01	20
Copper	50.0	U	51.8	51.0	104	102	1	75.0-125			1.63	20
Cobalt	50.0	U	50.3	50.1	101	100	1	75.0-125			0.480	20
Iron	1000	U	1050	1050	105	105	1	75.0-125			0.279	20
Lead	50.0	U	47.4	47.7	94.8	95.5	1	75.0-125			0.692	20
Manganese	50.0	U	50.9	49.6	102	99.1	1	75.0-125			2.72	20
Nickel	50.0	U	50.6	51.2	101	102	1	75.0-125			1.12	20
Selenium	50.0	U	49.7	49.4	99.4	98.8	1	75.0-125			0.635	20
Silver	50.0	U	49.4	50.0	98.7	100	1	75.0-125			1.34	20
Thallium	50.0	U	47.3	46.4	94.5	92.9	1	75.0-125			1.74	20
Vanadium	50.0	0.650	49.1	48.8	96.9	96.2	1	75.0-125			0.681	20
Zinc	50.0	U	51.9	49.5	104	99.1	1	75.0-125			4.68	20

Method Blank (MB)

(MB) R4222000-1 05/28/25 18:17

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Antimony	U		0.310	4.00
Arsenic	U		0.120	2.00
Barium	U		0.500	2.00
Beryllium	U		0.200	2.00
Cadmium	U		0.120	1.00
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
Manganese	U		0.700	5.00
Nickel	U		0.500	2.00
Selenium	U		0.250	2.00
Silver	U		0.110	2.00
Thallium	U		0.130	2.00
Vanadium	U		0.520	5.00
Zinc	U		4.00	25.0

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

(LCS) R4222000-2 05/28/25 18:20 • (LCSD) R4222000-3 05/28/25 18:23

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 %
Antimony	50.0	52.1	52.1	104	104	80.0-120			0.0290	20
Arsenic	50.0	49.1	47.9	98.1	95.8	80.0-120			2.43	20
Barium	50.0	50.4	50.5	101	101	80.0-120			0.164	20
Beryllium	50.0	46.4	45.8	92.7	91.7	80.0-120			1.14	20
Cadmium	50.0	51.2	50.4	102	101	80.0-120			1.59	20
Chromium	50.0	48.9	48.6	97.7	97.1	80.0-120			0.625	20
Copper	50.0	50.9	49.7	102	99.3	80.0-120			2.53	20
Cobalt	50.0	50.5	49.7	101	99.5	80.0-120			1.63	20
Iron	1000	976	1050	97.6	105	80.0-120			6.93	20
Lead	50.0	49.6	48.9	99.2	97.9	80.0-120			1.37	20
Manganese	50.0	49.5	48.9	99.0	97.8	80.0-120			1.21	20
Nickel	50.0	51.2	49.6	102	99.2	80.0-120			3.10	20
Selenium	50.0	50.8	49.3	102	98.7	80.0-120			2.98	20
Silver	50.0	50.8	49.4	102	98.8	80.0-120			2.68	20
Thallium	50.0	48.3	47.6	96.7	95.2	80.0-120			1.58	20
Vanadium	50.0	48.6	47.5	97.2	95.1	80.0-120			2.17	20

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

(LCS) R4222000-2 05/28/25 18:20 • (LCSD) R4222000-3 05/28/25 18:23

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	%	%	%			%	%
Zinc	50.0	50.2	49.5	100	99.1	80.0-120			1.27	20

Method Blank (MB)

(MB) R4223856-1 06/02/25 00:34

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Silver	U		0.110	2.00

Laboratory Control Sample (LCS)

(LCS) R4223856-2 06/02/25 00:37

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Silver	50.0	47.6	95.2	80.0-120	

L1859919-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1859919-02 06/02/25 00:41 • (MS) R4223856-4 06/02/25 00:47 • (MSD) R4223856-5 06/02/25 00:51

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	%	%		%			%	%
Silver	50.0	U	48.8	48.0	97.6	96.1	1	75.0-125			1.64	20

Method Blank (MB)

(MB) R4220044-3 05/21/25 10:30

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromochloromethane	U		0.128	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
Carbon disulfide	U		0.0962	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
Dibromomethane	U		0.122	1.00
1,2-Dibromoethane	U		0.126	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dichlorobenzene	U		0.107	1.00
1,4-Dichlorobenzene	U		0.120	1.00
trans-1,4-Dichloro-2-butene	U		0.467	2.50
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
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
Ethylbenzene	U		0.137	1.00
2-Hexanone	U		0.787	10.0
Iodomethane	U		6.00	10.0
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
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
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,1,1-Trichloroethane	U		0.149	1.00

Method Blank (MB)

(MB) R4220044-3 05/21/25 10:30

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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
Vinyl acetate	U		0.692	10.0
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*95.8*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*

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

(LCS) R4220044-1 05/21/25 09:32 • (LCSD) R4220044-2 05/21/25 09:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	19.8	19.0	79.2	76.0	19.0-160	J	J	4.12	27
Acrylonitrile	25.0	23.7	23.4	94.8	93.6	55.0-149			1.27	20
Benzene	5.00	5.34	5.44	107	109	70.0-123			1.86	20
Bromochloromethane	5.00	5.09	5.26	102	105	76.0-122			3.29	20
Bromodichloromethane	5.00	5.51	5.87	110	117	75.0-120			6.33	20
Bromoform	5.00	5.34	5.49	107	110	68.0-132			2.77	20
Bromomethane	5.00	7.72	8.21	154	164	10.0-160		J4	6.15	25
Carbon disulfide	5.00	6.04	6.12	121	122	61.0-128			1.32	20
Carbon tetrachloride	5.00	6.24	6.09	125	122	68.0-126			2.43	20
Chlorobenzene	5.00	5.31	5.56	106	111	80.0-121			4.60	20
Chlorodibromomethane	5.00	4.93	5.11	98.6	102	77.0-125			3.59	20
Chloroethane	5.00	5.86	5.64	117	113	47.0-150			3.83	20
Chloroform	5.00	5.55	5.49	111	110	73.0-120			1.09	20
Chloromethane	5.00	5.22	5.57	104	111	41.0-142			6.49	20
Dibromomethane	5.00	5.14	5.48	103	110	80.0-120			6.40	20
1,2-Dibromoethane	5.00	4.86	5.15	97.2	103	80.0-122			5.79	20
1,2-Dibromo-3-Chloropropane	5.00	5.04	5.16	101	103	58.0-134			2.35	20
1,2-Dichlorobenzene	5.00	4.92	5.28	98.4	106	79.0-121			7.06	20
1,4-Dichlorobenzene	5.00	5.06	5.37	101	107	79.0-120			5.94	20
trans-1,4-Dichloro-2-butene	5.00	4.84	5.11	96.8	102	33.0-144			5.43	20
1,1-Dichloroethane	5.00	4.93	5.10	98.6	102	70.0-126			3.39	20
1,2-Dichloroethane	5.00	5.29	5.47	106	109	70.0-128			3.35	20
1,1-Dichloroethene	5.00	5.75	6.16	115	123	71.0-124			6.88	20

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

(LCS) R4220044-1 05/21/25 09:32 • (LCSD) R4220044-2 05/21/25 09:52

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 %
cis-1,2-Dichloroethene	5.00	5.35	5.41	107	108	73.0-120			1.12	20
trans-1,2-Dichloroethene	5.00	5.57	5.75	111	115	73.0-120			3.18	20
1,2-Dichloropropane	5.00	4.92	5.11	98.4	102	77.0-125			3.79	20
cis-1,3-Dichloropropene	5.00	4.93	5.18	98.6	104	80.0-123			4.95	20
trans-1,3-Dichloropropene	5.00	4.69	5.17	93.8	103	78.0-124			9.74	20
Ethylbenzene	5.00	5.15	5.27	103	105	79.0-123			2.30	20
2-Hexanone	25.0	26.1	27.9	104	112	67.0-149			6.67	20
Iodomethane	25.0	30.9	31.6	124	126	33.0-147			2.24	26
2-Butanone (MEK)	25.0	25.6	26.2	102	105	44.0-160			2.32	20
Methylene Chloride	5.00	5.06	5.29	101	106	67.0-120			4.44	20
4-Methyl-2-pentanone (MIBK)	25.0	25.4	26.0	102	104	68.0-142			2.33	20
Styrene	5.00	4.65	5.00	93.0	100	73.0-130			7.25	20
1,1,1,2-Tetrachloroethane	5.00	5.51	5.55	110	111	75.0-125			0.723	20
1,1,2,2-Tetrachloroethane	5.00	5.20	5.41	104	108	65.0-130			3.96	20
Tetrachloroethene	5.00	5.95	6.16	119	123	72.0-132			3.47	20
Toluene	5.00	5.37	5.62	107	112	79.0-120			4.55	20
1,1,1-Trichloroethane	5.00	6.13	6.22	123	124	73.0-124			1.46	20
1,1,2-Trichloroethane	5.00	5.40	5.33	108	107	80.0-120			1.30	20
Trichloroethene	5.00	5.13	5.51	103	110	78.0-124			7.14	20
Trichlorofluoromethane	5.00	6.61	6.96	132	139	59.0-147			5.16	20
1,2,3-Trichloropropane	5.00	4.87	5.06	97.4	101	73.0-130			3.83	20
Vinyl acetate	25.0	33.5	35.2	134	141	11.0-160			4.95	20
Vinyl chloride	5.00	4.71	5.62	94.2	112	67.0-131			17.6	20
Xylenes, Total	15.0	15.5	15.9	103	106	79.0-123			2.55	20
(S) Toluene-d8				*101*	*103*	*80.0-120*				
(S) 4-Bromofluorobenzene				*95.7*	*97.3*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*106*	*107*	*70.0-130*				

Method Blank (MB)

(MB) R4220045-3 05/21/25 20:05

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromochloromethane	U		0.128	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
Carbon disulfide	U		0.0962	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
Dibromomethane	U		0.122	1.00
1,2-Dibromoethane	U		0.126	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dichlorobenzene	U		0.107	1.00
1,4-Dichlorobenzene	U		0.120	1.00
trans-1,4-Dichloro-2-butene	U		0.467	2.50
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
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
Ethylbenzene	U		0.137	1.00
2-Hexanone	U		0.787	10.0
Iodomethane	U		6.00	10.0
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
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
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,1,1-Trichloroethane	U		0.149	1.00

QUALITY CONTROL SUMMARY

L1860472-10,11

Method Blank (MB)

(MB) R4220045-3 05/21/25 20:05

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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
Vinyl acetate	U		0.692	10.0
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*96.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*

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

(LCS) R4220045-1 05/21/25 19:06 • (LCSD) R4220045-2 05/21/25 19:26

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	22.3	28.0	89.2	112	19.0-160	J	J	22.7	27
Acrylonitrile	25.0	21.0	25.7	84.0	103	55.0-149		J3	20.1	20
Benzene	5.00	5.08	5.39	102	108	70.0-123			5.92	20
Bromochloromethane	5.00	5.03	5.40	101	108	76.0-122			7.09	20
Bromodichloromethane	5.00	5.45	6.00	109	120	75.0-120			9.61	20
Bromoform	5.00	5.42	5.55	108	111	68.0-132			2.37	20
Bromomethane	5.00	6.78	7.95	136	159	10.0-160			15.9	25
Carbon disulfide	5.00	5.54	5.96	111	119	61.0-128			7.30	20
Carbon tetrachloride	5.00	5.51	6.38	110	128	68.0-126		J4	14.6	20
Chlorobenzene	5.00	5.35	5.36	107	107	80.0-121			0.187	20
Chlorodibromomethane	5.00	4.91	5.16	98.2	103	77.0-125			4.97	20
Chloroethane	5.00	4.99	5.32	99.8	106	47.0-150	J		6.40	20
Chloroform	5.00	5.39	6.07	108	121	73.0-120		J4	11.9	20
Chloromethane	5.00	5.07	3.97	101	79.4	41.0-142		J3	24.3	20
Dibromomethane	5.00	4.98	5.50	99.6	110	80.0-120			9.92	20
1,2-Dibromoethane	5.00	4.81	4.83	96.2	96.6	80.0-122			0.415	20
1,2-Dibromo-3-Chloropropane	5.00	4.43	5.08	88.6	102	58.0-134	J		13.7	20
1,2-Dichlorobenzene	5.00	4.89	5.04	97.8	101	79.0-121			3.02	20
1,4-Dichlorobenzene	5.00	4.99	5.17	99.8	103	79.0-120			3.54	20
trans-1,4-Dichloro-2-butene	5.00	5.69	6.11	114	122	33.0-144			7.12	20
1,1-Dichloroethane	5.00	4.75	5.14	95.0	103	70.0-126			7.89	20
1,2-Dichloroethane	5.00	5.42	5.91	108	118	70.0-128			8.65	20
1,1-Dichloroethene	5.00	5.49	5.94	110	119	71.0-124			7.87	20

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

(LCS) R4220045-1 05/21/25 19:06 • (LCSD) R4220045-2 05/21/25 19:26

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 %
cis-1,2-Dichloroethene	5.00	5.05	5.50	101	110	73.0-120			8.53	20
trans-1,2-Dichloroethene	5.00	5.55	6.04	111	121	73.0-120		J4	8.46	20
1,2-Dichloropropane	5.00	4.68	4.84	93.6	96.8	77.0-125			3.36	20
cis-1,3-Dichloropropene	5.00	4.62	4.84	92.4	96.8	80.0-123			4.65	20
trans-1,3-Dichloropropene	5.00	4.76	5.00	95.2	100	78.0-124			4.92	20
Ethylbenzene	5.00	5.04	5.24	101	105	79.0-123			3.89	20
2-Hexanone	25.0	22.5	26.6	90.0	106	67.0-149			16.7	20
Iodomethane	25.0	31.3	34.1	125	136	33.0-147			8.56	26
2-Butanone (MEK)	25.0	21.9	28.8	87.6	115	44.0-160		J3	27.2	20
Methylene Chloride	5.00	5.04	5.33	101	107	67.0-120			5.59	20
4-Methyl-2-pentanone (MIBK)	25.0	25.1	27.2	100	109	68.0-142			8.03	20
Styrene	5.00	4.65	4.79	93.0	95.8	73.0-130			2.97	20
1,1,1,2-Tetrachloroethane	5.00	5.54	5.83	111	117	75.0-125			5.10	20
1,1,2,2-Tetrachloroethane	5.00	4.74	4.90	94.8	98.0	65.0-130			3.32	20
Tetrachloroethene	5.00	5.77	5.97	115	119	72.0-132			3.41	20
Toluene	5.00	5.31	5.32	106	106	79.0-120			0.188	20
1,1,1-Trichloroethane	5.00	6.10	6.41	122	128	73.0-124		J4	4.96	20
1,1,2-Trichloroethane	5.00	5.00	5.13	100	103	80.0-120			2.57	20
Trichloroethene	5.00	5.17	5.64	103	113	78.0-124			8.70	20
Trichlorofluoromethane	5.00	5.86	6.98	117	140	59.0-147			17.4	20
1,2,3-Trichloropropane	5.00	4.73	5.05	94.6	101	73.0-130			6.54	20
Vinyl acetate	25.0	25.0	26.2	100	105	11.0-160			4.69	20
Vinyl chloride	5.00	4.27	5.30	85.4	106	67.0-131		J3	21.5	20
Xylenes, Total	15.0	15.3	15.3	102	102	79.0-123			0.000	20
(S) Toluene-d8				*102*	*100*	*80.0-120*				
(S) 4-Bromofluorobenzene				*95.4*	*98.1*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*109*	*118*	*70.0-130*				

Method Blank (MB)

(MB) R4221046-3 05/25/25 13:17

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromochloromethane	U		0.128	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
Carbon disulfide	0.147	J	0.0962	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
Dibromomethane	U		0.122	1.00
1,2-Dibromoethane	U		0.126	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dichlorobenzene	U		0.107	1.00
1,4-Dichlorobenzene	U		0.120	1.00
trans-1,4-Dichloro-2-butene	U		0.467	2.50
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
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
Ethylbenzene	U		0.137	1.00
2-Hexanone	U		0.787	10.0
Iodomethane	U		6.00	10.0
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
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
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,1,1-Trichloroethane	U		0.149	1.00

Method Blank (MB)

(MB) R4221046-3 05/25/25 13:17

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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
Vinyl acetate	U		0.692	10.0
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*103*			*80.0-120*
(S) 4-Bromofluorobenzene	*95.1*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*

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

(LCS) R4221046-1 05/25/25 12:15 • (LCSD) R4221046-2 05/25/25 12:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	43.7	47.4	175	190	19.0-160	J J4	J J4	8.12	27
Acrylonitrile	25.0	30.7	30.9	123	124	55.0-149			0.649	20
Benzene	5.00	5.77	5.74	115	115	70.0-123			0.521	20
Bromochloromethane	5.00	5.77	6.03	115	121	76.0-122			4.41	20
Bromodichloromethane	5.00	5.49	5.56	110	111	75.0-120			1.27	20
Bromoform	5.00	4.52	4.52	90.4	90.4	68.0-132			0.000	20
Bromomethane	5.00	3.45	3.79	69.0	75.8	10.0-160	J	J	9.39	25
Carbon disulfide	5.00	5.95	6.00	119	120	61.0-128			0.837	20
Carbon tetrachloride	5.00	4.31	4.56	86.2	91.2	68.0-126			5.64	20
Chlorobenzene	5.00	5.47	5.21	109	104	80.0-121			4.87	20
Chlorodibromomethane	5.00	4.54	4.61	90.8	92.2	77.0-125			1.53	20
Chloroethane	5.00	4.57	4.26	91.4	85.2	47.0-150	J	J	7.02	20
Chloroform	5.00	6.14	6.10	123	122	73.0-120	J4	J4	0.654	20
Chloromethane	5.00	5.70	5.54	114	111	41.0-142			2.85	20
Dibromomethane	5.00	5.53	5.60	111	112	80.0-120			1.26	20
1,2-Dibromoethane	5.00	5.35	5.32	107	106	80.0-122			0.562	20
1,2-Dibromo-3-Chloropropane	5.00	4.58	4.50	91.6	90.0	58.0-134	J	J	1.76	20
1,2-Dichlorobenzene	5.00	4.59	4.75	91.8	95.0	79.0-121			3.43	20
1,4-Dichlorobenzene	5.00	4.79	4.79	95.8	95.8	79.0-120			0.000	20
trans-1,4-Dichloro-2-butene	5.00	3.66	2.90	73.2	58.0	33.0-144		J3	23.2	20
1,1-Dichloroethane	5.00	5.54	5.68	111	114	70.0-126			2.50	20
1,2-Dichloroethane	5.00	5.92	5.75	118	115	70.0-128			2.91	20
1,1-Dichloroethene	5.00	6.10	6.18	122	124	71.0-124			1.30	20

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

(LCS) R4221046-1 05/25/25 12:15 • (LCSD) R4221046-2 05/25/25 12:36

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 %
cis-1,2-Dichloroethene	5.00	5.73	5.50	115	110	73.0-120			4.10	20
trans-1,2-Dichloroethene	5.00	6.14	6.00	123	120	73.0-120	J4		2.31	20
1,2-Dichloropropane	5.00	5.35	5.24	107	105	77.0-125			2.08	20
cis-1,3-Dichloropropene	5.00	4.51	4.62	90.2	92.4	80.0-123			2.41	20
trans-1,3-Dichloropropene	5.00	4.18	4.37	83.6	87.4	78.0-124			4.44	20
Ethylbenzene	5.00	4.99	4.93	99.8	98.6	79.0-123			1.21	20
2-Hexanone	25.0	27.1	28.7	108	115	67.0-149			5.73	20
Iodomethane	25.0	17.2	20.6	68.8	82.4	33.0-147			18.0	26
2-Butanone (MEK)	25.0	35.6	33.6	142	134	44.0-160			5.78	20
Methylene Chloride	5.00	5.86	5.89	117	118	67.0-120			0.511	20
4-Methyl-2-pentanone (MIBK)	25.0	31.6	32.3	126	129	68.0-142			2.19	20
Styrene	5.00	4.10	4.12	82.0	82.4	73.0-130			0.487	20
1,1,1,2-Tetrachloroethane	5.00	5.33	5.14	107	103	75.0-125			3.63	20
1,1,2,2-Tetrachloroethane	5.00	4.50	4.56	90.0	91.2	65.0-130			1.32	20
Tetrachloroethene	5.00	5.69	5.73	114	115	72.0-132			0.701	20
Toluene	5.00	5.62	5.42	112	108	79.0-120			3.62	20
1,1,1-Trichloroethane	5.00	5.61	5.87	112	117	73.0-124			4.53	20
1,1,2-Trichloroethane	5.00	5.56	5.55	111	111	80.0-120			0.180	20
Trichloroethene	5.00	6.32	6.09	126	122	78.0-124	J4		3.71	20
Trichlorofluoromethane	5.00	6.23	5.90	125	118	59.0-147			5.44	20
1,2,3-Trichloropropane	5.00	4.71	4.76	94.2	95.2	73.0-130			1.06	20
Vinyl acetate	25.0	20.3	17.6	81.2	70.4	11.0-160			14.2	20
Vinyl chloride	5.00	4.94	4.96	98.8	99.2	67.0-131			0.404	20
Xylenes, Total	15.0	14.9	14.9	99.3	99.3	79.0-123			0.000	20
(S) Toluene-d8				*100*	*99.3*	*80.0-120*				
(S) 4-Bromofluorobenzene				*97.4*	*95.1*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*102*	*103*	*70.0-130*				

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.
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.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
Q	Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.

Qualifier	Description
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.

Company Name/Address:
Legacy Landfill

3537 N. Steele Blvd, Suite 310
Fayetteville, AR 72703

Billing Information:
Angela Sparks
P.O. Box 16777
Jonesboro, AR 72403

Pres Chk

Report to:
Melissa Vaught 501-920-9642

Email To:
mvaught@olsson.com;mclayton@olsson.com;a

Project Description:
Craighead County - Legacy Landfill

City/State Collected: Jonesboro, AR

Please Circle: PT MT CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project #
024-01259

Lab Project #
LEGLDFJAR-CRAIGHEAD

Collected by (print):
Michael Clayton

Site/Facility ID #

P.O. #

Collected by (signature):
Immediately
Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Chloride, Sulfate 125mlHDPE-NoPres	M6010AP1 + Fe, Mn 250mlHDPE-HNO3	TDS 1L-HDPE NoPres	TOC 250mlHDPE-HCl	V8260AP1 40mlAmb-HCl	V8260AP1- Trip Blk 40mlAmb-HCl-Blk					Remarks	Sample # (lab only)
MW-25		GW				6	X	X	X	X	X							
MW-26	Grab	GW		5/15/25	1420	~~6~~ 6	X	X	X	X	X	X					-03	-01 TD
MW-27R	Grab	GW		5/15/25	1255	6	X	X	X	X	X						-04	-03
MW-28	Grab	GW		5/16/25	1105	6	X	X	X	X	X						-05	-03
MW-29	Grab	GW		5/16/25	935	6	X	X	X	X	X						-06	-04
LEACHATE BLDG A	Grab	GW		5/16/25	1210	6	X	X	X	X	X						-07	-05
LEACHATE BLDG B	Grab	GW		5/16/25	1230	6	X	X	X	X	X						-08	-06
LEACHATE BLDG C	Grab	GW		5/16/25	1300	6	X	X	X	X	X						-09	-07
MW-14R DUP		GW				6	X	X	X	X	X							
EB-1		GW		5/16/25	1150	6	X	X	X	X	X						-10	-08

Chain of Custody Page 1 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1860472
J108

Acctnum: **LEGLDFJAR**
Template: **T106244**
Prelogin: **P1147289**
PM: **134 - Mark W. Beasley**
PB: 4/28/25 BK
Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
Trip Blank

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: ✓Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: (Yes) / No HCL / MeoH TBR
				1
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 60
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 5-17-25 Time: 845 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

RM 5/17

Company Name/Address:
Legacy Landfill

3537 N. Steele Blvd, Suite 310
Fayetteville, AR 72703

Billing Information:
Angela Sparks
P.O. Box 16777
Jonesboro, AR 72403

Report to:
Melissa Vaught 501-920-9642

Email To:
mvaught@olsson.com;mclayton@olsson.com;a

Project Description:
Craighead County - Legacy Landfill

City/State Collected: Jonesboro AR

Please Circle: PT MT (CT) ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project #
024-01259

Lab Project #
LEGLDFJAR-CRAIGHEAD

Collected by (print):
Michael Clayton

Site/Facility ID #

P.O. #

Collected by (signature):
Immediately
Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed

Pres Chk: ✓ ✓

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Chloride, Sulfate 125mlHDPE-NoPres	M6010AP1 + Fe, Mn 250mlHDPE-HNO3	TDS 1L-HDPE NoPres	TOC 250mlHDPE-HCl	V8260AP1 40mlAmb-HCl	V8260AP1- Trip Blk 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
MW-9R2	Grab	GW		5/15/25	1115	6	X	X	X	X	X		-01	
MW-14R		GW				6	X	X	X	X	X			
MW-16R	Grab	GW		5/15/25	930	6	X	X	X	X	X		-02	
MW-17R		GW				6	X	X	X	X	X			
MW-19		GW				6	X	X	X	X	X			
MW-20R		GW				6	X	X	X	X	X			
MW-21		GW				6	X	X	X	X	X			
MW-22		GW				6	X	X	X	X	X			
MW-23		GW				6	X	X	X	X	X			
MW-24		GW				6	X	X	X	X	X			

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Relinquished by : (Signature) Michael Clayton | Date: 5/16/25 | Time: 1500 | Received by: (Signature)

Relinquished by : (Signature) | Date: | Time: | Received by: (Signature)

Relinquished by : (Signature) | Date: | Time: | Received by: (Signature) Jamison

Trip Blank Received: (Yes) / No (HCL) / MeoH TBR

Temp: °C Bottles Received: 60

Date: 5-17-25 Time: 845 0940

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: ✓Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Chain of Custody Page 2 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1860472

Table #

Acctnum: **LEGLDFJAR**
Template: **T106244**
Prelogin: **P1147289**
PM: **134 - Mark W. Beasley**
PB: 4/28/25 BK

Shipped Via: **FedEX Ground**

Multiple Parcel Form L# L1860472

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
4544 7725 3079	TLA9	3.4	0.4	3.8	Yes / No / Not Present
4544 7725 3881	↓	0.7	↓	1.1	Yes / No / Not Present
4544 7725 3892	↓	0.2	↓	0.6	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

Name Jamaan

5-17-25
Date

ANALYTICAL REPORT

June 03, 2025

Legacy Landfill

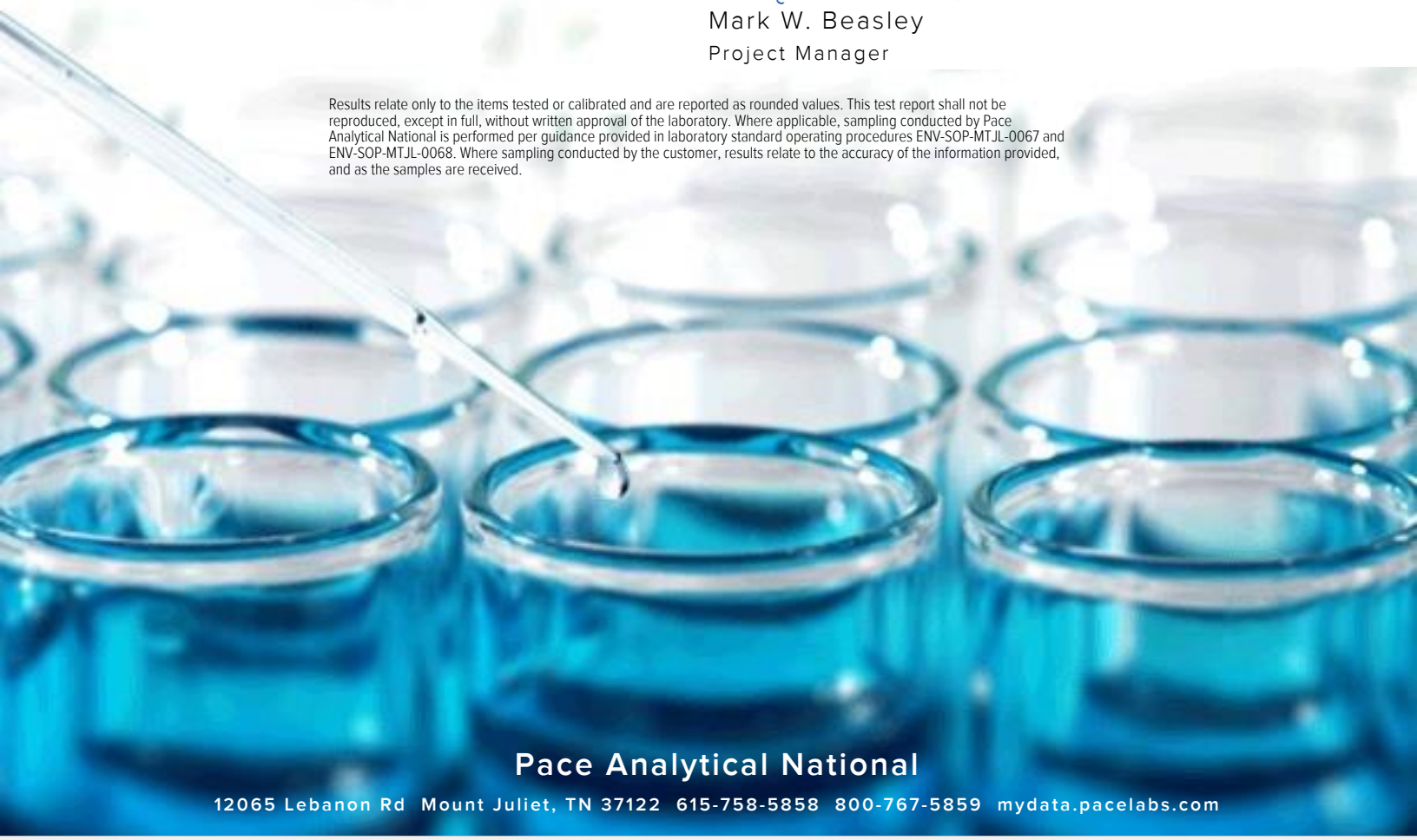
Sample Delivery Group:	L1861078
Samples Received:	05/10/2025
Project Number:	024-01259
Description:	Craighead County - Legacy Landfill

Report To: Melissa Vaught
3537 N. Steele Blvd, Suite 310
Fayetteville, AR 72703

Entire Report Reviewed By:

Mark W. Beasley
Project Manager

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



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

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SAMPLE SUMMARY

MW-17R L1861078-01

Collected by: Michael Clayton
Collected date/time: 05/08/25 09:30
Received date/time: 05/10/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9060A	WG2521840	1	05/24/25 15:58	05/24/25 15:58	ASH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2524712	1	05/28/25 22:32	05/30/25 13:13	JDB	Mt. Juliet, TN

MW-21 L1861078-02

Collected by: Michael Clayton
Collected date/time: 05/06/25 16:40
Received date/time: 05/10/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2524712	1	05/28/25 22:32	05/30/25 13:16	JDB	Mt. Juliet, TN

MW-22 L1861078-03

Collected by: Michael Clayton
Collected date/time: 05/07/25 11:15
Received date/time: 05/10/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2524712	1	05/28/25 22:32	05/30/25 13:19	JDB	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. 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.



Mark W. Beasley
Project Manager

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	803	J	495	1000	1	05/24/2025 15:58	WG2521840

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Manganese	65.5		0.700	5.00	1	05/30/2025 13:13	WG2524712

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3990		22.6	100	1	05/30/2025 13:16	WG2524712

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Barium	89.1		0.500	2.00	1	05/30/2025 13:19	WG2524712

Method Blank (MB)

(MB) R4220162-2 05/24/25 06:00

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

L1860629-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1860629-02 05/24/25 08:21 • (DUP) R4220162-5 05/24/25 08:40

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	2220	2360	1	6.07		20

L1860751-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1860751-01 05/24/25 13:14 • (DUP) R4220162-6 05/24/25 13:36

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	1590	1420	1	11.0		20

Laboratory Control Sample (LCS)

(LCS) R4220162-1 05/24/25 05:44

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	25000	25400	102	80.0-120	

L1860629-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1860629-01 05/24/25 07:12 • (MS) R4220162-3 05/24/25 07:36 • (MSD) R4220162-4 05/24/25 08:00

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 %
TOC (Total Organic Carbon)	25000	3440	26200	27600	91.2	96.4	1	75.0-125			4.87	20

L1860751-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1860751-02 05/24/25 13:57 • (MS) R4220162-7 05/24/25 14:19 • (MSD) R4220162-8 05/24/25 14:42

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 %
TOC (Total Organic Carbon)	25000	6440	30200	30900	95.0	97.7	1	75.0-125			2.26	20

Method Blank (MB)

(MB) R4223023-1 05/30/25 12:05

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Barium	U		0.500	2.00
Iron	U		22.6	100
Manganese	U		0.700	5.00

Laboratory Control Sample (LCS)

(LCS) R4223023-2 05/30/25 12:08

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Barium	50.0	49.5	99.1	80.0-120	
Iron	1000	993	99.3	80.0-120	
Manganese	50.0	52.1	104	80.0-120	

L1860961-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1860961-03 05/30/25 12:11 • (MS) R4223023-4 05/30/25 12:18 • (MSD) R4223023-5 05/30/25 12:21

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 %
Barium	50.0	47.0	99.0	97.4	104	101	1	75.0-125			1.66	20
Iron	1000	U	984	973	98.4	97.3	1	75.0-125			1.14	20
Manganese	50.0	1.69	50.7	50.3	98.1	97.2	1	75.0-125			0.864	20

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.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
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.
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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
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

Company Name/A: **Legacy Landfill**

3537 N. Steele Blvd, Suite 310
Fayetteville, AR 72703

Billing Information:
Angela Sparks
P.O. Box 16777
Jonesboro, AR 72403

Pres Chk

Report to:
Melissa Vaught 501-920-9642

Email To:
mvaught@olsson.com;mclayton@olsson.com;a

Project Description:
Craighead County - Legacy Landfill

City/State Collected: Jonesboro AR

Please Circle: PT MT (CT) ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project #
024-01259

Lab Project #
LEGLDFJAR-CRAIGHEAD

Collected by (print):
Michael Clayton

Site/Facility ID #

P.O. #

Collected by (signature):
Immediately
Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Chloride, Sulfate 125mlHDPE-NoPres	M6010AP1 + Fe, Mn 250mlHDPE-HNO3	TDS 1L-HDPE NoPres	TOC 250mlHDPE-HCl	V8260AP1 40mlAmb-HCl	V8260AP1- Trip Blk 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
MW-9R2		GW				6	X	X	X	X	X			
MW-14R	Grab	GW		5/7/25	1505	6	X	X	X	X	X			01
MW-16R		GW		~~5/7/25~~ MCL	~~1507~~	6	X	X	X	X	X			
MW-17R		GW		5/8/25	930	6	X	X	X	X	X			02 -01
MW-19		GW		5/8/25	1150	6	X	X	X	X	X			03
MW-20R		GW		5/8/25	1605	6	X	X	X	X	X			04
MW-21		GW		5/6/25	1640	6	X	X	X	X	X			05 -02
MW-22		GW		5/7/25	1115	6	X	X	X	X	X			06 -03
MW-23		GW		5/6/25	1610	6	X	X	X	X	X			07
MW-24		GW		5/6/25	1350	6	X	X	X	X	X			08

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Relinquished by : (Signature) Michael Clayton | Date: 5/9/25 | Time: 0930 | Received by: (Signature)

Relinquished by : (Signature) | Date: | Time: | Received by: (Signature)

Relinquished by : (Signature) | Date: | Time: | Received for lab by: (Signature) CRUZ

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: °C Bottles Received: 60

Date: 05/10/25 Time: 0845

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Chain of C

Page 2 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

L1657570 AN 5/21/25

SDG # F186

T: L1861078

Acctnum: **LEGLDFJAR**
Template: **T106244**
Prelogin: **P1147288**
PM: **134 - Mark W. Beasley**
PB:
Shipped Via: **FedEX Ground**

L1857530 *LEGLDFJAR* relog

R2/R3/R4/RX/EX

Relog the following as EX due 5/28:

L1857530-02 MNG, TOC

L1857530-05 FEG

L1857530-06 BAG

• • *

From: Melissa Vaught <mvaught@olsson.com>

Sent: Wednesday, May 21, 2025 7:23 AM

To: Mark Beasley <Mark.Beasley@pacelabs.com>

Cc: Andrew Pruitt <apruitt@olsson.com>

Subject: RE: Pace Analytical National Level II Report for 024-01259 Craighead County - Legacy Landfill L1857530

CAUTION: This email originated from outside Pace Analytical. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Mark – Good morning. For this data set, could you have the lab confirm the following results and rerun, if the sample is within the hold
time?

MW-17R: manganese and TOC

MW-21: iron

MW-22: barium

Questions, please let me know.

Melissa

NOTICE-- The contents of this email and any attachments may contain confidential, privileged, and/or legally protected information and are for the sole use of the addressee(s). Any review or distribution by others is strictly prohibited. If you are not
the intended recipient, please contact the sender immediately and delete any copies.

P Please consider the environment before printing this email

Time estimate: oh **Time spent:** oh

Members

MB Mark Beasley (responsible)

ANALYTICAL REPORT

August 13, 2025

Legacy Landfill

Sample Delivery Group:	L1883529
Samples Received:	07/30/2025
Project Number:	A25-01259
Description:	Craighead County - Legacy Landfill

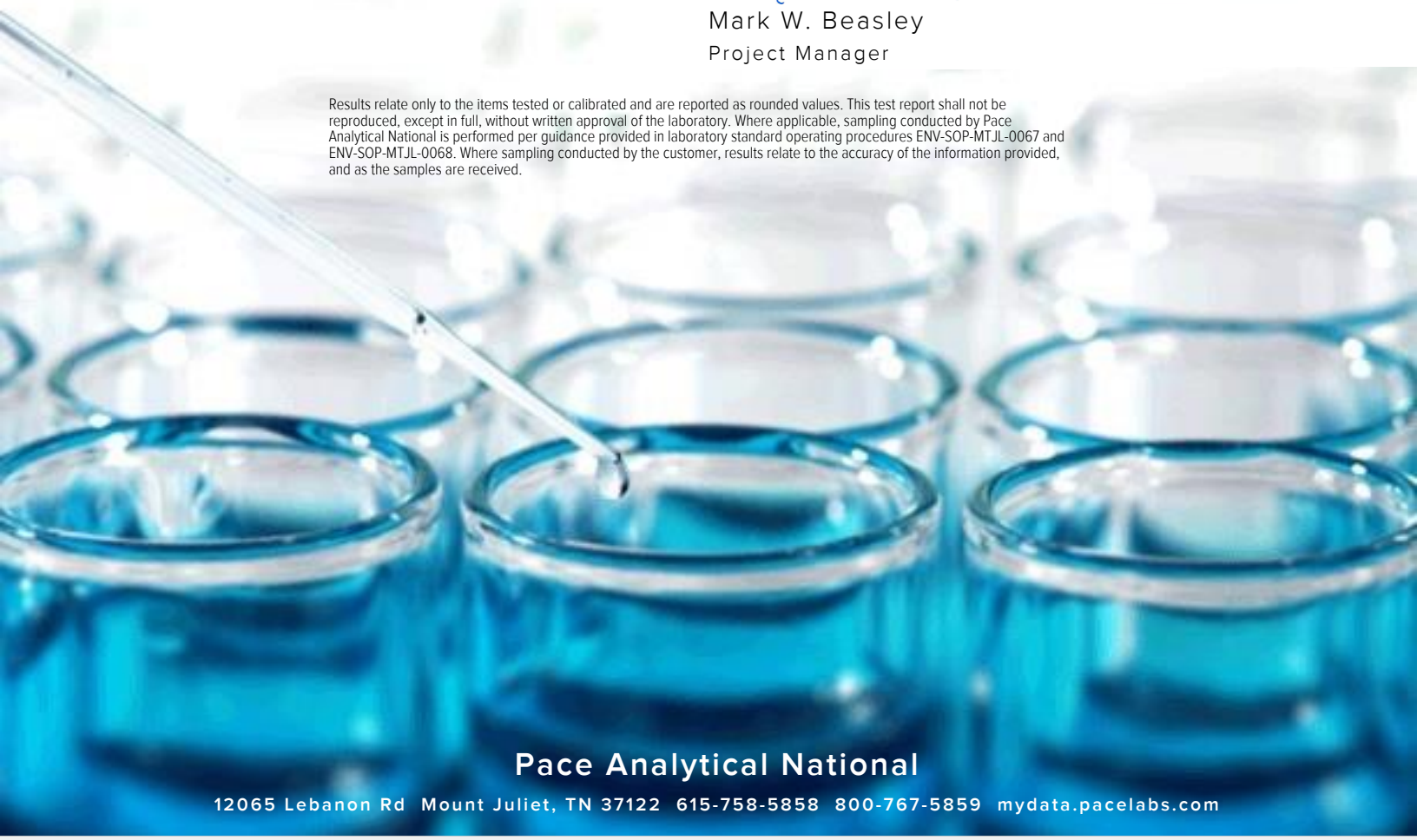
Report To:

Melissa Vaught
3537 N. Steele Blvd, Suite 310
Fayetteville, AR 72703

Entire Report Reviewed By:

Mark W. Beasley
Project Manager

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



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

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MW-22 L1883529-01

Collected by: Michael Clayton | Collected date/time: 07/29/25 11:20 | Received date/time: 07/30/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2570086	1	08/04/25 11:39	08/12/25 17:12	TMT	Mt. Juliet, TN

MW-22 DUP L1883529-02

Collected by: Michael Clayton | Collected date/time: 07/29/25 11:25 | Received date/time: 07/30/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2570086	1	08/04/25 11:39	08/12/25 17:26	TMT	Mt. Juliet, TN

MW-21 L1883529-03

Collected by: Michael Clayton | Collected date/time: 07/29/25 09:55 | Received date/time: 07/30/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2571687	1	08/02/25 17:10	08/05/25 12:52	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2570066	1	08/05/25 06:31	08/05/25 06:31	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2570086	1	08/04/25 11:39	08/12/25 17:34	TMT	Mt. Juliet, TN

EB-2 L1883529-04

Collected by: Michael Clayton | Collected date/time: 07/29/25 11:40 | Received date/time: 07/30/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2571687	1	08/02/25 17:10	08/05/25 12:52	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2570066	1	08/05/25 07:36	08/05/25 07:36	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2570086	1	08/04/25 11:39	08/12/25 17:37	TMT	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. 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.



Mark W. Beasley
Project Manager

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	5.52		0.120	2.00	1	08/12/2025 17:12	WG2570086
Barium	71.9		0.500	2.00	1	08/12/2025 17:12	WG2570086
Iron	2160		22.6	100	1	08/12/2025 17:12	WG2570086

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	5.20		0.120	2.00	1	08/12/2025 17:26	WG2570086
Barium	67.7		0.500	2.00	1	08/12/2025 17:26	WG2570086
Iron	1800		22.6	100	1	08/12/2025 17:26	WG2570086

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	465000		10000	1	08/05/2025 12:52	WG2571687

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	55500	J6	637	5000	1	08/05/2025 06:31	WG2570066

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	2540		22.6	100	1	08/12/2025 17:34	WG2570086

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Dissolved Solids	ND		10000	1	08/05/2025 12:52	WG2571687

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	U		637	5000	1	08/05/2025 07:36	WG2570066

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	0.191	J	0.120	2.00	1	08/12/2025 17:37	WG2570086
Barium	0.513	J	0.500	2.00	1	08/12/2025 17:37	WG2570086
Iron	49.6	J	22.6	100	1	08/12/2025 17:37	WG2570086

Method Blank (MB)

(MB) R4255378-1 08/05/25 12:52

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Dissolved Solids	U		10000	10000

L1883258-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1883258-07 08/05/25 12:52 • (DUP) R4255378-3 08/05/25 12:52

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1360000	1300000	1	4.14		10

L1883529-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1883529-04 08/05/25 12:52 • (DUP) R4255378-4 08/05/25 12:52

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	ND	ND	1	0.000		10

Laboratory Control Sample (LCS)

(LCS) R4255378-2 08/05/25 12:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800000	8810000	100	90.0-110	

Method Blank (MB)

(MB) R4254793-1 08/05/25 01:21

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Sulfate	U		637	5000

L1883529-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1883529-03 08/05/25 06:31 • (DUP) R4254793-3 08/05/25 06:47

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	55500	55600	1	0.128		15

L1883529-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1883529-04 08/05/25 07:36 • (DUP) R4254793-6 08/05/25 07:52

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	U	U	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R4254793-2 08/05/25 01:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfate	40000	41600	104	80.0-120	

L1883529-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1883529-03 08/05/25 06:31 • (MS) R4254793-4 08/05/25 07:03 • (MSD) R4254793-5 08/05/25 07:20

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 %
Sulfate	40000	55500	83700	82500	70.3	67.4	1	80.0-120	J6	J6	1.39	15

L1883529-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1883529-04 08/05/25 07:36 • (MS) R4254793-7 08/05/25 08:09

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Sulfate	40000	U	40800	102	1	80.0-120	

Method Blank (MB)

(MB) R4257563-1 08/12/25 16:02

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Arsenic	U		0.120	2.00
Barium	U		0.500	2.00
Iron	U		22.6	100

Laboratory Control Sample (LCS)

(LCS) R4257563-2 08/12/25 16:05

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	50.0	48.7	97.5	80.0-120	
Barium	50.0	46.7	93.4	80.0-120	
Iron	1000	1030	103	80.0-120	

L1883383-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1883383-01 08/12/25 16:16 • (MS) R4257563-4 08/12/25 16:19 • (MSD) R4257563-5 08/12/25 16:22

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 %
Arsenic	50.0	7.36	52.2	53.1	89.6	91.5	1	75.0-125			1.79	20
Barium	50.0	116	161	166	89.7	101	1	75.0-125			3.41	20
Iron	1000	2440	3310	3550	87.5	112	1	75.0-125			7.01	20

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.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

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
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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
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Legacy Landfill

3537 N. Steele Blvd, Suite 310
Fayetteville, AR 72703

Angela Sparks
P.O. Box 16777
Jonesboro, AR 72403

Report to: **Melissa Vaught 501-920-9642**

Email To: **mvaught@olsson.com;mclayton@olsson.com;a**

Project Description: **Craighead County - Legacy Landfill**

City/State Collected: Jonesboro Ar

Please Circle: PT MT CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project # **A25-01259**

Lab Project # **LEGLDFJAR-CRAIGHEAD**

Collected by (print): Michael Clayton

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ____ Y J

Rush? (Lab MUST Be Notified)
____ Same Day ____ Five Day
____ Next Day ____ 5 Day (Rad Only)
____ Two Day ____ 10 Day (Rad Only)
____ Three Day ____ STD TAT

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	SULFATE 125mlHDPE-NoPres	TDS 1L-HDPE NoPres	Total As,Ba,Fe 250mlHDPE-HNO3	Total Fe 250mlHDPE-HNO3	Pres Chk	Remarks	Sample # (lab only)
MW-22	GRAB	GW		7/29/25	1120	1			X				01
MW-22 DUP		GW		7/29/25	1125	1			X				02
MW-21		GW		7/29/25	955	3	X	X		X			03
EB-2	GRAB	GW		7/29/25	1140	3	X	X	X				04
		GW				3	X	X	X				
		GW				3	X	X	X				

<2

Pace
PEOPLE ADVANCING SCIENCE
L1883529

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1883529

Table D125

Acctnum: **LEGLDFJAR**

Template: **T257230**

Prelogin: **P1166880**

PM: **134 - Mark W. Beasley**

PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 4580 6320 8020

PH - 10BDH2633
TRC - 4072A72

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	7/29/25	1230	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / ~~No~~
HCL / MeoH
TBR

Temp: °C Bottles Received: 8
TLA94.6-0.1:4.5

Date: 07/30/25 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N