

Chevron - CO

Sample Delivery Group: L1852449
Samples Received: 04/27/2025
Project Number: 30279746
Description: Bishop Loc
Site: BISHOP LOC
Report To: Maxwell Moran
2115 117th Avenue
Greeley, CO 80631

Entire Report Reviewed By:



Chris Ward
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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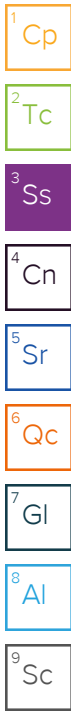
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SAMPLE SUMMARY

MW-S16-CO-20250426 L1852449-01 GW

Collected by: Justin Mixon
 Collected date/time: 04/26/25 10:30
 Received date/time: 04/27/25 10:15



Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2502263	1	04/29/25 18:09	04/29/25 18:09	LD	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 C-2011	WG2501174	1	04/27/25 12:09	04/27/25 20:20	MMF	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 D-2020	WG2501297	1	04/27/25 14:48	04/27/25 15:55	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2501287	1	04/27/25 17:02	04/27/25 17:02	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2501369	1	04/27/25 19:24	04/27/25 19:24	RTW	Mt. Juliet, TN
Wet Chemistry by Method 3500Cr C-2011	WG2501302	1	04/27/25 20:42	04/27/25 20:42	VSS	Mt. Juliet, TN
Wet Chemistry by Method 351.2	WG2499534	1	04/27/25 22:28	04/28/25 16:22	AEC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2501271	1	04/27/25 15:56	04/27/25 15:56	CAT	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2501494	1	04/27/25 22:28	04/27/25 23:38	AEC	Mt. Juliet, TN
Wet Chemistry by Method 5540 C-2011	WG2501274	1	04/27/25 14:35	04/27/25 16:56	SDE	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2501291	1	04/27/25 15:35	04/27/25 15:35	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG2501293	1	04/27/25 15:17	04/27/25 15:17	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2501285	1	04/27/25 19:55	04/27/25 19:55	AJC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2501285	20	04/27/25 20:46	04/27/25 20:46	AJC	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2500445	1	04/27/25 15:14	04/27/25 15:14	ASH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2501308	1	04/29/25 10:45	04/29/25 19:37	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2501308	20	04/29/25 10:45	04/29/25 20:02	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2502263	1	04/29/25 10:39	04/29/25 18:09	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2501344	1	04/27/25 16:38	04/27/25 16:38	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2501194	1	04/27/25 17:25	04/27/25 17:25	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2501519	1	04/28/25 05:02	04/28/25 07:45	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2501499	1	04/27/25 23:40	04/28/25 16:52	JRM	Mt. Juliet, TN

MW-N13-W-20250426 L1852449-02 GW

Collected by: Justin Mixon
 Collected date/time: 04/26/25 12:10
 Received date/time: 04/27/25 10:15

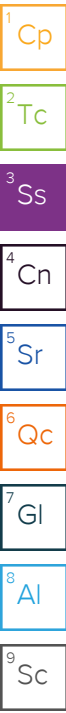
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2502263	1	04/29/25 18:12	04/29/25 18:12	LD	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 C-2011	WG2501174	1	04/27/25 12:09	04/27/25 20:20	MMF	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 D-2020	WG2501297	1	04/27/25 14:48	04/27/25 15:55	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2501287	1	04/27/25 17:06	04/27/25 17:06	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2501369	1	04/27/25 19:25	04/27/25 19:25	RTW	Mt. Juliet, TN
Wet Chemistry by Method 3500Cr C-2011	WG2501302	1	04/27/25 20:52	04/27/25 20:52	VSS	Mt. Juliet, TN
Wet Chemistry by Method 351.2	WG2499534	1	04/27/25 22:28	04/28/25 16:24	AEC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2501271	1	04/27/25 15:57	04/27/25 15:57	CAT	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2501494	1	04/27/25 22:28	04/27/25 23:42	AEC	Mt. Juliet, TN
Wet Chemistry by Method 5540 C-2011	WG2501274	1	04/27/25 14:35	04/27/25 16:56	SDE	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2501291	1	04/27/25 15:35	04/27/25 15:35	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG2501293	1	04/27/25 15:17	04/27/25 15:17	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2501285	1	04/27/25 21:12	04/27/25 21:12	AJC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2501285	5	04/27/25 21:24	04/27/25 21:24	AJC	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2500445	1	04/27/25 15:34	04/27/25 15:34	ASH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2501308	1	04/29/25 10:45	04/29/25 19:51	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2502263	1	04/29/25 10:39	04/29/25 18:12	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2501344	1	04/27/25 16:58	04/27/25 16:58	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2501194	1	04/27/25 17:46	04/27/25 17:46	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2501315	1	04/27/25 15:39	04/28/25 07:25	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2501499	1	04/27/25 23:40	04/28/25 17:14	JRM	Mt. Juliet, TN

SAMPLE SUMMARY

MW-N14-W-20250426 L1852449-03 GW

Collected by: Justin Mixon
 Collected date/time: 04/26/25 13:40
 Received date/time: 04/27/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2502263	1	04/29/25 18:16	04/29/25 18:16	LD	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 C-2011	WG2501174	1	04/27/25 12:09	04/27/25 20:20	MMF	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 D-2020	WG2501297	1	04/27/25 14:48	04/27/25 15:55	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2501287	1	04/27/25 17:14	04/27/25 17:14	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2501369	1	04/27/25 19:27	04/27/25 19:27	RTW	Mt. Juliet, TN
Wet Chemistry by Method 3500Cr C-2011	WG2501302	1	04/27/25 21:21	04/27/25 21:21	VSS	Mt. Juliet, TN
Wet Chemistry by Method 351.2	WG2499534	1	04/27/25 22:28	04/28/25 16:25	AEC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2501271	1	04/27/25 16:03	04/27/25 16:03	CAT	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2501494	1	04/27/25 22:28	04/27/25 23:43	AEC	Mt. Juliet, TN
Wet Chemistry by Method 5540 C-2011	WG2501274	1	04/27/25 14:35	04/27/25 16:57	SDE	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2501291	1	04/27/25 15:35	04/27/25 15:35	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG2501293	1	04/27/25 15:17	04/27/25 15:17	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2501285	1	04/27/25 21:37	04/27/25 21:37	AJC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2501285	5	04/27/25 21:50	04/27/25 21:50	AJC	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2500445	1	04/27/25 15:53	04/27/25 15:53	ASH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2501308	1	04/29/25 10:45	04/29/25 19:54	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2502263	1	04/29/25 10:39	04/29/25 18:16	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2501344	1	04/27/25 17:18	04/27/25 17:18	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2501194	1	04/27/25 18:07	04/27/25 18:07	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2501315	1	04/27/25 15:39	04/28/25 07:05	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2501499	1	04/27/25 23:40	04/28/25 17:37	JRM	Mt. Juliet, TN



MW-N15-W-20250426 L1852449-04 GW

Collected by: Justin Mixon
 Collected date/time: 04/26/25 15:10
 Received date/time: 04/27/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2502263	1	04/29/25 18:28	04/29/25 18:28	LD	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 C-2011	WG2501174	1	04/27/25 12:09	04/27/25 20:20	MMF	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 D-2020	WG2501297	1	04/27/25 14:48	04/27/25 15:55	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2501287	1	04/27/25 17:18	04/27/25 17:18	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2501369	1	04/27/25 19:28	04/27/25 19:28	RTW	Mt. Juliet, TN
Wet Chemistry by Method 3500Cr C-2011	WG2501302	1	04/27/25 21:41	04/27/25 21:41	VSS	Mt. Juliet, TN
Wet Chemistry by Method 351.2	WG2499534	1	04/27/25 22:28	04/28/25 16:26	AEC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2501271	1	04/27/25 16:04	04/27/25 16:04	CAT	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2501494	1	04/27/25 22:28	04/27/25 23:45	AEC	Mt. Juliet, TN
Wet Chemistry by Method 5540 C-2011	WG2501274	1	04/27/25 14:35	04/27/25 16:58	SDE	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2501291	1	04/27/25 15:35	04/27/25 15:35	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG2501293	1	04/27/25 15:17	04/27/25 15:17	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2501285	1	04/27/25 22:03	04/27/25 22:03	AJC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2501285	10	04/28/25 10:12	04/28/25 10:12	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2500445	1	04/27/25 16:14	04/27/25 16:14	ASH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2501308	1	04/29/25 10:45	04/29/25 19:57	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2502263	1	04/29/25 10:39	04/29/25 18:28	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2501344	1	04/27/25 17:38	04/27/25 17:38	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2501194	1	04/27/25 18:27	04/27/25 18:27	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2501315	1	04/27/25 15:39	04/28/25 08:05	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2501499	1	04/27/25 23:40	04/28/25 17:59	JRM	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.



Chris Ward
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

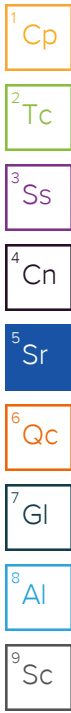
⁷ Gl

⁸ Al

⁹ Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chromium, Trivalent	U		0.000100	0.00200	1	04/29/2025 18:09	WG2502263



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	2290		50.0		1	04/27/2025 20:20	WG2501174

Gravimetric Analysis by Method 2540 D-2020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	5.70		0.283	2.50	1	04/27/2025 15:55	WG2501297

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	637		4.75	20.0	1	04/27/2025 17:02	WG2501287
Alkalinity, Bicarbonate	637		4.75	20.0	1	04/27/2025 17:02	WG2501287
Alkalinity, Carbonate	U		4.75	20.0	1	04/27/2025 17:02	WG2501287

Sample Narrative:

L1852449-01 WG2501287: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	1.98		0.0539	0.100	1	04/27/2025 19:24	WG2501369

Wet Chemistry by Method 3500Cr C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.000151	J	0.000100	0.00500	1	04/27/2025 20:42	WG2501302

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	3.41		0.131	0.250	1	04/28/2025 16:22	WG2499534

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0435	0.200	1	04/27/2025 15:56	WG2501271

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	U		0.0642	0.100	1	04/27/2025 23:38	WG2501494

Wet Chemistry by Method 5540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
MBAS	U		0.0190	0.100	1	04/27/2025 16:56	WG2501274

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	7.43	<u>T8</u>	1	04/27/2025 15:35	WG2501291

Sample Narrative:

L1852449-01 WG2501291: 7.43 at 21.8C

Wet Chemistry by Method 9050A

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	2950	umhos/cm		10.0	1	04/27/2025 15:17	WG2501293

Sample Narrative:

L1852449-01 WG2501293: at 25C

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Bromide	U	<u>J6</u>	0.680	1.00	1	04/27/2025 19:55	WG2501285
Chloride	52.6	<u>J6</u>	0.547	1.00	1	04/27/2025 19:55	WG2501285
Fluoride	1.55		0.0761	0.150	1	04/27/2025 19:55	WG2501285
Sulfate	1130		12.7	100	20	04/27/2025 20:46	WG2501285

Wet Chemistry by Method 9060A

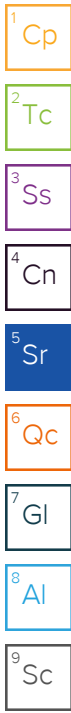
Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	9.82		0.495	1.00	1	04/27/2025 15:14	WG2500445

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Aluminum,Dissolved	U		0.0160	0.100	1	04/29/2025 19:37	WG2501308
Arsenic,Dissolved	0.000556	<u>J</u>	0.000120	0.00200	1	04/29/2025 19:37	WG2501308
Cadmium,Dissolved	0.000124	<u>J</u>	0.000120	0.00100	1	04/29/2025 19:37	WG2501308
Chromium	U		0.000900	0.00200	1	04/29/2025 18:09	WG2502263
Copper,Dissolved	0.00119	<u>J</u>	0.000700	0.00500	1	04/29/2025 19:37	WG2501308
Lead,Dissolved	U		0.000500	0.00200	1	04/29/2025 19:37	WG2501308
Manganese,Dissolved	4.65		0.0140	0.100	20	04/29/2025 20:02	WG2501308
Nickel,Dissolved	0.0105		0.000500	0.00200	1	04/29/2025 19:37	WG2501308
Selenium,Dissolved	0.000302	<u>J</u>	0.000250	0.00200	1	04/29/2025 19:37	WG2501308
Silver,Dissolved	U		0.000110	0.00200	1	04/29/2025 19:37	WG2501308
Uranium,Dissolved	0.0843		0.000130	0.00100	1	04/29/2025 19:37	WG2501308
Zinc,Dissolved	U		0.00400	0.0250	1	04/29/2025 19:37	WG2501308

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/27/2025 16:38	WG2501344
^(S) a,a,a-Trifluorotoluene(FID)	103			78.0-120		04/27/2025 16:38	WG2501344



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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	04/27/2025 17:25	WG2501194
Toluene	U		0.000278	0.00100	1	04/27/2025 17:25	WG2501194
Ethylbenzene	U		0.000137	0.00100	1	04/27/2025 17:25	WG2501194
Xylenes, Total	U		0.000174	0.00300	1	04/27/2025 17:25	WG2501194
Naphthalene	U	C3	0.00100	0.00500	1	04/27/2025 17:25	WG2501194
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/27/2025 17:25	WG2501194
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/27/2025 17:25	WG2501194
(S) Toluene-d8	99.4			80.0-120		04/27/2025 17:25	WG2501194
(S) 4-Bromofluorobenzene	94.6			77.0-126		04/27/2025 17:25	WG2501194
(S) 1,2-Dichloroethane-d4	99.8			70.0-130		04/27/2025 17:25	WG2501194

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
C10-C28 Diesel Range	U		0.0605	0.100	1	04/28/2025 07:45	WG2501519
C28-C36 Motor Oil Range	U		0.0772	0.100	1	04/28/2025 07:45	WG2501519
(S) o-Terphenyl	74.7			52.0-156		04/28/2025 07:45	WG2501519

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acenaphthene	U		0.0000886	0.00100	1	04/28/2025 16:52	WG2501499
Acenaphthylene	U		0.0000921	0.00100	1	04/28/2025 16:52	WG2501499
Anthracene	U		0.0000804	0.00100	1	04/28/2025 16:52	WG2501499
Benzidine	U	J4	0.00374	0.0100	1	04/28/2025 16:52	WG2501499
Benzo(a)anthracene	U		0.000199	0.00100	1	04/28/2025 16:52	WG2501499
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/28/2025 16:52	WG2501499
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/28/2025 16:52	WG2501499
Benzo(g,h,i)perylene	U	J3	0.000121	0.00100	1	04/28/2025 16:52	WG2501499
Benzo(a)pyrene	U		0.0000381	0.00100	1	04/28/2025 16:52	WG2501499
Bis(2-chloroethoxy)methane	U		0.000116	0.0100	1	04/28/2025 16:52	WG2501499
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/28/2025 16:52	WG2501499
2,2-Oxybis(1-Chloropropane)	U	C3	0.000210	0.0100	1	04/28/2025 16:52	WG2501499
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/28/2025 16:52	WG2501499
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/28/2025 16:52	WG2501499
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/28/2025 16:52	WG2501499
Chrysene	U		0.000130	0.00100	1	04/28/2025 16:52	WG2501499
Dibenz(a,h)anthracene	U	J3	0.0000644	0.00100	1	04/28/2025 16:52	WG2501499
1,2-Dichlorobenzene	U		0.0000713	0.0100	1	04/28/2025 16:52	WG2501499
1,3-Dichlorobenzene	U		0.000132	0.0100	1	04/28/2025 16:52	WG2501499
1,4-Dichlorobenzene	U		0.0000942	0.0100	1	04/28/2025 16:52	WG2501499
3,3-Dichlorobenzidine	U	J3	0.000212	0.0100	1	04/28/2025 16:52	WG2501499
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/28/2025 16:52	WG2501499
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/28/2025 16:52	WG2501499
Fluoranthene	U		0.000102	0.00100	1	04/28/2025 16:52	WG2501499
Fluorene	U		0.0000844	0.00100	1	04/28/2025 16:52	WG2501499
Hexachlorobenzene	U	J3	0.0000755	0.00100	1	04/28/2025 16:52	WG2501499
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/28/2025 16:52	WG2501499
Hexachlorocyclopentadiene	U	C7 J3	0.0000598	0.0100	1	04/28/2025 16:52	WG2501499
Hexachloroethane	U		0.000127	0.0100	1	04/28/2025 16:52	WG2501499
Indeno(1,2,3-cd)pyrene	U	J3	0.000279	0.00100	1	04/28/2025 16:52	WG2501499
Isophorone	U		0.000143	0.0100	1	04/28/2025 16:52	WG2501499
Naphthalene	U		0.000159	0.00100	1	04/28/2025 16:52	WG2501499
Nitrobenzene	U		0.000297	0.0100	1	04/28/2025 16:52	WG2501499
n-Nitrosodimethylamine	U	C3	0.000998	0.0100	1	04/28/2025 16:52	WG2501499

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	04/28/2025 16:52	WG2501499
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/28/2025 16:52	WG2501499
Phenanthrene	U		0.000112	0.00100	1	04/28/2025 16:52	WG2501499
Benzylbutyl phtalate	U		0.000765	0.00300	1	04/28/2025 16:52	WG2501499
Bis(2-ethylhexyl)phtalate	U	<u>J3</u>	0.000895	0.00300	1	04/28/2025 16:52	WG2501499
Di-n-butyl phtalate	U		0.000453	0.00300	1	04/28/2025 16:52	WG2501499
Diethyl phtalate	U		0.000287	0.00300	1	04/28/2025 16:52	WG2501499
Dimethyl phtalate	U		0.000260	0.00300	1	04/28/2025 16:52	WG2501499
Di-n-octyl phtalate	U		0.000932	0.00300	1	04/28/2025 16:52	WG2501499
Pyrene	U		0.000107	0.00100	1	04/28/2025 16:52	WG2501499
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/28/2025 16:52	WG2501499
4-Chloro-3-methylphenol	U	<u>J3</u>	0.000131	0.0100	1	04/28/2025 16:52	WG2501499
2-Chlorophenol	U	<u>J3</u>	0.000133	0.0100	1	04/28/2025 16:52	WG2501499
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/28/2025 16:52	WG2501499
2,4-Dimethylphenol	U	<u>C3 J3</u>	0.0000636	0.0100	1	04/28/2025 16:52	WG2501499
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/28/2025 16:52	WG2501499
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/28/2025 16:52	WG2501499
2-Nitrophenol	U		0.000117	0.0100	1	04/28/2025 16:52	WG2501499
4-Nitrophenol	U	<u>J4</u>	0.000143	0.0100	1	04/28/2025 16:52	WG2501499
Pentachlorophenol	U		0.000313	0.0100	1	04/28/2025 16:52	WG2501499
Phenol	U		0.00433	0.0100	1	04/28/2025 16:52	WG2501499
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/28/2025 16:52	WG2501499
(S) 2-Fluorophenol	23.1			10.0-120		04/28/2025 16:52	WG2501499
(S) Phenol-d5	15.7			10.0-120		04/28/2025 16:52	WG2501499
(S) Nitrobenzene-d5	37.4			10.0-127		04/28/2025 16:52	WG2501499
(S) 2-Fluorobiphenyl	40.5			10.0-130		04/28/2025 16:52	WG2501499
(S) 2,4,6-Tribromophenol	51.9			10.0-155		04/28/2025 16:52	WG2501499
(S) p-Terphenyl-d14	43.9			10.0-128		04/28/2025 16:52	WG2501499

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Sample Narrative:

L1852449-01 WG2501499: Duplicate Analysis performed due to QC failure. Reporting most compliant data.

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chromium, Trivalent	U		0.000100	0.00200	1	04/29/2025 18:12	WG2502263

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	986		20.0		1	04/27/2025 20:20	WG2501174

Gravimetric Analysis by Method 2540 D-2020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	4.90		0.283	2.50	1	04/27/2025 15:55	WG2501297

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	411		4.75	20.0	1	04/27/2025 17:06	WG2501287
Alkalinity, Bicarbonate	411		4.75	20.0	1	04/27/2025 17:06	WG2501287
Alkalinity, Carbonate	U		4.75	20.0	1	04/27/2025 17:06	WG2501287

Sample Narrative:

L1852449-02 WG2501287: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	U		0.0539	0.100	1	04/27/2025 19:25	WG2501369

Wet Chemistry by Method 3500Cr C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.000226	J	0.000100	0.00500	1	04/27/2025 20:52	WG2501302

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.475		0.131	0.250	1	04/28/2025 16:24	WG2499534

Wet Chemistry by Method 353.2

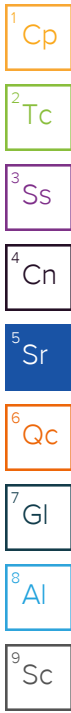
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.503		0.0435	0.200	1	04/27/2025 15:57	WG2501271

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	U		0.0642	0.100	1	04/27/2025 23:42	WG2501494

Wet Chemistry by Method 5540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
MBAS	U		0.0190	0.100	1	04/27/2025 16:56	WG2501274



Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	7.65	<u>T8</u>	1	04/27/2025 15:35	WG2501291

Sample Narrative:

L1852449-02 WG2501291: 7.65 at 22C

Wet Chemistry by Method 9050A

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1460	umhos/cm		10.0	1	04/27/2025 15:17	WG2501293

Sample Narrative:

L1852449-02 WG2501293: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Bromide	U		0.680	1.00	1	04/27/2025 21:12	WG2501285
Chloride	15.9		0.547	1.00	1	04/27/2025 21:12	WG2501285
Fluoride	2.42		0.0761	0.150	1	04/27/2025 21:12	WG2501285
Sulfate	397		3.18	25.0	5	04/27/2025 21:24	WG2501285

Wet Chemistry by Method 9060A

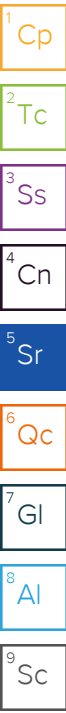
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	3.54		0.495	1.00	1	04/27/2025 15:34	WG2500445

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Aluminum,Dissolved	U		0.0160	0.100	1	04/29/2025 19:51	WG2501308
Arsenic,Dissolved	0.000293	<u>U</u>	0.000120	0.00200	1	04/29/2025 19:51	WG2501308
Cadmium,Dissolved	U		0.000120	0.00100	1	04/29/2025 19:51	WG2501308
Chromium	U		0.000900	0.00200	1	04/29/2025 18:12	WG2502263
Copper,Dissolved	0.00178	<u>U</u>	0.000700	0.00500	1	04/29/2025 19:51	WG2501308
Lead,Dissolved	U		0.000500	0.00200	1	04/29/2025 19:51	WG2501308
Manganese,Dissolved	0.123		0.000700	0.00500	1	04/29/2025 19:51	WG2501308
Nickel,Dissolved	0.00194	<u>U</u>	0.000500	0.00200	1	04/29/2025 19:51	WG2501308
Selenium,Dissolved	0.00172	<u>U</u>	0.000250	0.00200	1	04/29/2025 19:51	WG2501308
Silver,Dissolved	U		0.000110	0.00200	1	04/29/2025 19:51	WG2501308
Uranium,Dissolved	0.0641		0.000130	0.00100	1	04/29/2025 19:51	WG2501308
Zinc,Dissolved	U		0.00400	0.0250	1	04/29/2025 19:51	WG2501308

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/27/2025 16:58	WG2501344
^(S) a,a,a-Trifluorotoluene(FID)	102			78.0-120		04/27/2025 16:58	WG2501344



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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	04/27/2025 17:46	WG2501194
Toluene	U		0.000278	0.00100	1	04/27/2025 17:46	WG2501194
Ethylbenzene	U		0.000137	0.00100	1	04/27/2025 17:46	WG2501194
Xylenes, Total	U		0.000174	0.00300	1	04/27/2025 17:46	WG2501194
Naphthalene	U	C3	0.00100	0.00500	1	04/27/2025 17:46	WG2501194
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/27/2025 17:46	WG2501194
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/27/2025 17:46	WG2501194
(S) Toluene-d8	101			80.0-120		04/27/2025 17:46	WG2501194
(S) 4-Bromofluorobenzene	95.9			77.0-126		04/27/2025 17:46	WG2501194
(S) 1,2-Dichloroethane-d4	102			70.0-130		04/27/2025 17:46	WG2501194

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
C10-C28 Diesel Range	U		0.0605	0.100	1	04/28/2025 07:25	WG2501315
C28-C36 Motor Oil Range	U		0.0772	0.100	1	04/28/2025 07:25	WG2501315
(S) o-Terphenyl	78.9			52.0-156		04/28/2025 07:25	WG2501315

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acenaphthene	U		0.0000886	0.00100	1	04/28/2025 17:14	WG2501499
Acenaphthylene	U		0.0000921	0.00100	1	04/28/2025 17:14	WG2501499
Anthracene	U		0.0000804	0.00100	1	04/28/2025 17:14	WG2501499
Benzidine	U	J4	0.00374	0.0100	1	04/28/2025 17:14	WG2501499
Benzo(a)anthracene	U		0.000199	0.00100	1	04/28/2025 17:14	WG2501499
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/28/2025 17:14	WG2501499
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/28/2025 17:14	WG2501499
Benzo(g,h,i)perylene	U	J3	0.000121	0.00100	1	04/28/2025 17:14	WG2501499
Benzo(a)pyrene	U		0.0000381	0.00100	1	04/28/2025 17:14	WG2501499
Bis(2-chloroethoxy)methane	U		0.000116	0.0100	1	04/28/2025 17:14	WG2501499
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/28/2025 17:14	WG2501499
2,2-Oxybis(1-Chloropropane)	U	C3	0.000210	0.0100	1	04/28/2025 17:14	WG2501499
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/28/2025 17:14	WG2501499
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/28/2025 17:14	WG2501499
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/28/2025 17:14	WG2501499
Chrysene	U		0.000130	0.00100	1	04/28/2025 17:14	WG2501499
Dibenz(a,h)anthracene	U	J3	0.0000644	0.00100	1	04/28/2025 17:14	WG2501499
1,2-Dichlorobenzene	U		0.0000713	0.0100	1	04/28/2025 17:14	WG2501499
1,3-Dichlorobenzene	U		0.000132	0.0100	1	04/28/2025 17:14	WG2501499
1,4-Dichlorobenzene	U		0.0000942	0.0100	1	04/28/2025 17:14	WG2501499
3,3-Dichlorobenzidine	U	J3	0.000212	0.0100	1	04/28/2025 17:14	WG2501499
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/28/2025 17:14	WG2501499
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/28/2025 17:14	WG2501499
Fluoranthene	U		0.000102	0.00100	1	04/28/2025 17:14	WG2501499
Fluorene	U		0.0000844	0.00100	1	04/28/2025 17:14	WG2501499
Hexachlorobenzene	U	J3	0.0000755	0.00100	1	04/28/2025 17:14	WG2501499
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/28/2025 17:14	WG2501499
Hexachlorocyclopentadiene	U	C7 J3	0.0000598	0.0100	1	04/28/2025 17:14	WG2501499
Hexachloroethane	U		0.000127	0.0100	1	04/28/2025 17:14	WG2501499
Indeno(1,2,3-cd)pyrene	U	J3	0.000279	0.00100	1	04/28/2025 17:14	WG2501499
Isophorone	U		0.000143	0.0100	1	04/28/2025 17:14	WG2501499
Naphthalene	U		0.000159	0.00100	1	04/28/2025 17:14	WG2501499
Nitrobenzene	U		0.000297	0.0100	1	04/28/2025 17:14	WG2501499
n-Nitrosodimethylamine	U	C3	0.000998	0.0100	1	04/28/2025 17:14	WG2501499

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	04/28/2025 17:14	WG2501499
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/28/2025 17:14	WG2501499
Phenanthrene	U		0.000112	0.00100	1	04/28/2025 17:14	WG2501499
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/28/2025 17:14	WG2501499
Bis(2-ethylhexyl)phthalate	U	<u>J3</u>	0.000895	0.00300	1	04/28/2025 17:14	WG2501499
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/28/2025 17:14	WG2501499
Diethyl phthalate	U		0.000287	0.00300	1	04/28/2025 17:14	WG2501499
Dimethyl phthalate	U		0.000260	0.00300	1	04/28/2025 17:14	WG2501499
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/28/2025 17:14	WG2501499
Pyrene	U		0.000107	0.00100	1	04/28/2025 17:14	WG2501499
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/28/2025 17:14	WG2501499
4-Chloro-3-methylphenol	U	<u>J3</u>	0.000131	0.0100	1	04/28/2025 17:14	WG2501499
2-Chlorophenol	U	<u>J3</u>	0.000133	0.0100	1	04/28/2025 17:14	WG2501499
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/28/2025 17:14	WG2501499
2,4-Dimethylphenol	U	<u>C3 J3</u>	0.0000636	0.0100	1	04/28/2025 17:14	WG2501499
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/28/2025 17:14	WG2501499
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/28/2025 17:14	WG2501499
2-Nitrophenol	U		0.000117	0.0100	1	04/28/2025 17:14	WG2501499
4-Nitrophenol	U	<u>J4</u>	0.000143	0.0100	1	04/28/2025 17:14	WG2501499
Pentachlorophenol	U		0.000313	0.0100	1	04/28/2025 17:14	WG2501499
Phenol	U		0.00433	0.0100	1	04/28/2025 17:14	WG2501499
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/28/2025 17:14	WG2501499
(S) 2-Fluorophenol	29.8			10.0-120		04/28/2025 17:14	WG2501499
(S) Phenol-d5	20.5			10.0-120		04/28/2025 17:14	WG2501499
(S) Nitrobenzene-d5	52.3			10.0-127		04/28/2025 17:14	WG2501499
(S) 2-Fluorobiphenyl	59.2			10.0-130		04/28/2025 17:14	WG2501499
(S) 2,4,6-Tribromophenol	66.1			10.0-155		04/28/2025 17:14	WG2501499
(S) p-Terphenyl-d14	52.7			10.0-128		04/28/2025 17:14	WG2501499

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1852449-02 WG2501499: Duplicate Analysis performed due to QC failure. Reporting most compliant data.

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chromium, Trivalent	U		0.000100	0.00200	1	04/29/2025 18:16	WG2502263

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1020		20.0		1	04/27/2025 20:20	WG2501174

Gravimetric Analysis by Method 2540 D-2020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	11.8		0.283	2.50	1	04/27/2025 15:55	WG2501297

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	407		4.75	20.0	1	04/27/2025 17:14	WG2501287
Alkalinity, Bicarbonate	407		4.75	20.0	1	04/27/2025 17:14	WG2501287
Alkalinity, Carbonate	U		4.75	20.0	1	04/27/2025 17:14	WG2501287

Sample Narrative:

L1852449-03 WG2501287: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	U		0.0539	0.100	1	04/27/2025 19:27	WG2501369

Wet Chemistry by Method 3500Cr C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.000355	J	0.000100	0.00500	1	04/27/2025 21:21	WG2501302

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.634		0.131	0.250	1	04/28/2025 16:25	WG2499534

Wet Chemistry by Method 353.2

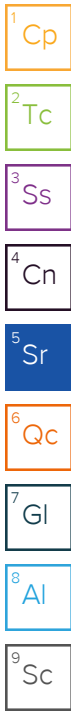
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	2.53		0.0435	0.200	1	04/27/2025 16:03	WG2501271

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	0.101		0.0642	0.100	1	04/27/2025 23:43	WG2501494

Wet Chemistry by Method 5540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
MBAS	U		0.0190	0.100	1	04/27/2025 16:57	WG2501274



Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	7.59	<u>T8</u>	1	04/27/2025 15:35	WG2501291

Sample Narrative:

L1852449-03 WG2501291: 7.59 at 21.9C

Wet Chemistry by Method 9050A

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1480	umhos/cm		10.0	1	04/27/2025 15:17	WG2501293

Sample Narrative:

L1852449-03 WG2501293: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Bromide	U		0.680	1.00	1	04/27/2025 21:37	WG2501285
Chloride	16.8		0.547	1.00	1	04/27/2025 21:37	WG2501285
Fluoride	1.38		0.0761	0.150	1	04/27/2025 21:37	WG2501285
Sulfate	386		3.18	25.0	5	04/27/2025 21:50	WG2501285

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	3.66		0.495	1.00	1	04/27/2025 15:53	WG2500445

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Aluminum,Dissolved	U		0.0160	0.100	1	04/29/2025 19:54	WG2501308
Arsenic,Dissolved	0.00398		0.000120	0.00200	1	04/29/2025 19:54	WG2501308
Cadmium,Dissolved	U		0.000120	0.00100	1	04/29/2025 19:54	WG2501308
Chromium	U		0.000900	0.00200	1	04/29/2025 18:16	WG2502263
Copper,Dissolved	0.00206	<u>J</u>	0.000700	0.00500	1	04/29/2025 19:54	WG2501308
Lead,Dissolved	U		0.000500	0.00200	1	04/29/2025 19:54	WG2501308
Manganese,Dissolved	0.0672		0.000700	0.00500	1	04/29/2025 19:54	WG2501308
Nickel,Dissolved	0.00163	<u>J</u>	0.000500	0.00200	1	04/29/2025 19:54	WG2501308
Selenium,Dissolved	0.00258		0.000250	0.00200	1	04/29/2025 19:54	WG2501308
Silver,Dissolved	U		0.000110	0.00200	1	04/29/2025 19:54	WG2501308
Uranium,Dissolved	0.0761		0.000130	0.00100	1	04/29/2025 19:54	WG2501308
Zinc,Dissolved	U		0.00400	0.0250	1	04/29/2025 19:54	WG2501308

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/27/2025 17:18	WG2501344
^(S) a,a,a-Trifluorotoluene(FID)	103			78.0-120		04/27/2025 17:18	WG2501344



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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	04/27/2025 18:07	WG2501194
Toluene	U		0.000278	0.00100	1	04/27/2025 18:07	WG2501194
Ethylbenzene	U		0.000137	0.00100	1	04/27/2025 18:07	WG2501194
Xylenes, Total	U		0.000174	0.00300	1	04/27/2025 18:07	WG2501194
Naphthalene	U	C3	0.00100	0.00500	1	04/27/2025 18:07	WG2501194
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/27/2025 18:07	WG2501194
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/27/2025 18:07	WG2501194
(S) Toluene-d8	102			80.0-120		04/27/2025 18:07	WG2501194
(S) 4-Bromofluorobenzene	97.2			77.0-126		04/27/2025 18:07	WG2501194
(S) 1,2-Dichloroethane-d4	101			70.0-130		04/27/2025 18:07	WG2501194

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

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
C10-C28 Diesel Range	U		0.0605	0.100	1	04/28/2025 07:05	WG2501315
C28-C36 Motor Oil Range	U		0.0772	0.100	1	04/28/2025 07:05	WG2501315
(S) o-Terphenyl	80.5			52.0-156		04/28/2025 07:05	WG2501315

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acenaphthene	U		0.0000886	0.00100	1	04/28/2025 17:37	WG2501499
Acenaphthylene	U		0.0000921	0.00100	1	04/28/2025 17:37	WG2501499
Anthracene	U		0.0000804	0.00100	1	04/28/2025 17:37	WG2501499
Benzidine	U	J4	0.00374	0.0100	1	04/28/2025 17:37	WG2501499
Benzo(a)anthracene	U		0.000199	0.00100	1	04/28/2025 17:37	WG2501499
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/28/2025 17:37	WG2501499
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/28/2025 17:37	WG2501499
Benzo(g,h,i)perylene	U	J3	0.000121	0.00100	1	04/28/2025 17:37	WG2501499
Benzo(a)pyrene	U		0.0000381	0.00100	1	04/28/2025 17:37	WG2501499
Bis(2-chloroethoxy)methane	U		0.000116	0.0100	1	04/28/2025 17:37	WG2501499
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/28/2025 17:37	WG2501499
2,2-Oxybis(1-Chloropropane)	U	C3	0.000210	0.0100	1	04/28/2025 17:37	WG2501499
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/28/2025 17:37	WG2501499
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/28/2025 17:37	WG2501499
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/28/2025 17:37	WG2501499
Chrysene	U		0.000130	0.00100	1	04/28/2025 17:37	WG2501499
Dibenz(a,h)anthracene	U	J3	0.0000644	0.00100	1	04/28/2025 17:37	WG2501499
1,2-Dichlorobenzene	U		0.0000713	0.0100	1	04/28/2025 17:37	WG2501499
1,3-Dichlorobenzene	U		0.000132	0.0100	1	04/28/2025 17:37	WG2501499
1,4-Dichlorobenzene	U		0.0000942	0.0100	1	04/28/2025 17:37	WG2501499
3,3-Dichlorobenzidine	U	J3	0.000212	0.0100	1	04/28/2025 17:37	WG2501499
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/28/2025 17:37	WG2501499
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/28/2025 17:37	WG2501499
Fluoranthene	U		0.000102	0.00100	1	04/28/2025 17:37	WG2501499
Fluorene	0.000118	J	0.0000844	0.00100	1	04/28/2025 17:37	WG2501499
Hexachlorobenzene	U	J3	0.0000755	0.00100	1	04/28/2025 17:37	WG2501499
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/28/2025 17:37	WG2501499
Hexachlorocyclopentadiene	U	C7 J3	0.0000598	0.0100	1	04/28/2025 17:37	WG2501499
Hexachloroethane	U		0.000127	0.0100	1	04/28/2025 17:37	WG2501499
Indeno(1,2,3-cd)pyrene	U	J3	0.000279	0.00100	1	04/28/2025 17:37	WG2501499
Isophorone	U		0.000143	0.0100	1	04/28/2025 17:37	WG2501499
Naphthalene	U		0.000159	0.00100	1	04/28/2025 17:37	WG2501499
Nitrobenzene	U		0.000297	0.0100	1	04/28/2025 17:37	WG2501499
n-Nitrosodimethylamine	U	C3	0.000998	0.0100	1	04/28/2025 17:37	WG2501499

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	04/28/2025 17:37	WG2501499
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/28/2025 17:37	WG2501499
Phenanthrene	0.000151	<u>J</u>	0.000112	0.00100	1	04/28/2025 17:37	WG2501499
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/28/2025 17:37	WG2501499
Bis(2-ethylhexyl)phthalate	U	<u>J3</u>	0.000895	0.00300	1	04/28/2025 17:37	WG2501499
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/28/2025 17:37	WG2501499
Diethyl phthalate	U		0.000287	0.00300	1	04/28/2025 17:37	WG2501499
Dimethyl phthalate	U		0.000260	0.00300	1	04/28/2025 17:37	WG2501499
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/28/2025 17:37	WG2501499
Pyrene	U		0.000107	0.00100	1	04/28/2025 17:37	WG2501499
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/28/2025 17:37	WG2501499
4-Chloro-3-methylphenol	U	<u>J3</u>	0.000131	0.0100	1	04/28/2025 17:37	WG2501499
2-Chlorophenol	U	<u>J3</u>	0.000133	0.0100	1	04/28/2025 17:37	WG2501499
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/28/2025 17:37	WG2501499
2,4-Dimethylphenol	U	<u>C3 J3</u>	0.0000636	0.0100	1	04/28/2025 17:37	WG2501499
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/28/2025 17:37	WG2501499
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/28/2025 17:37	WG2501499
2-Nitrophenol	U		0.000117	0.0100	1	04/28/2025 17:37	WG2501499
4-Nitrophenol	U	<u>J4</u>	0.000143	0.0100	1	04/28/2025 17:37	WG2501499
Pentachlorophenol	U		0.000313	0.0100	1	04/28/2025 17:37	WG2501499
Phenol	U		0.00433	0.0100	1	04/28/2025 17:37	WG2501499
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/28/2025 17:37	WG2501499
(S) 2-Fluorophenol	29.2			10.0-120		04/28/2025 17:37	WG2501499
(S) Phenol-d5	19.0			10.0-120		04/28/2025 17:37	WG2501499
(S) Nitrobenzene-d5	49.9			10.0-127		04/28/2025 17:37	WG2501499
(S) 2-Fluorobiphenyl	55.7			10.0-130		04/28/2025 17:37	WG2501499
(S) 2,4,6-Tribromophenol	70.9			10.0-155		04/28/2025 17:37	WG2501499
(S) p-Terphenyl-d14	51.1			10.0-128		04/28/2025 17:37	WG2501499

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

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Al

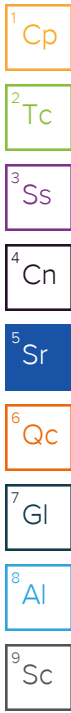
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Sample Narrative:

L1852449-03 WG2501499: v

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chromium, Trivalent	U		0.000100	0.00200	1	04/29/2025 18:28	WG2502263



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1310		20.0		1	04/27/2025 20:20	WG2501174

Gravimetric Analysis by Method 2540 D-2020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	12.9		0.283	2.50	1	04/27/2025 15:55	WG2501297

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	449		4.75	20.0	1	04/27/2025 17:18	WG2501287
Alkalinity, Bicarbonate	449		4.75	20.0	1	04/27/2025 17:18	WG2501287
Alkalinity, Carbonate	U		4.75	20.0	1	04/27/2025 17:18	WG2501287

Sample Narrative:

L1852449-04 WG2501287: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	0.748		0.0539	0.100	1	04/27/2025 19:28	WG2501369

Wet Chemistry by Method 3500Cr C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.000100	J P1	0.000100	0.00500	1	04/27/2025 21:41	WG2501302

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1.81		0.131	0.250	1	04/28/2025 16:26	WG2499534

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.826		0.0435	0.200	1	04/27/2025 16:04	WG2501271

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	U		0.0642	0.100	1	04/27/2025 23:45	WG2501494

Wet Chemistry by Method 5540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
MBAS	0.0340	J	0.0190	0.100	1	04/27/2025 16:58	WG2501274

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	7.44	<u>T8</u>	1	04/27/2025 15:35	WG2501291

Sample Narrative:

L1852449-04 WG2501291: 7.44 at 21.7C

Wet Chemistry by Method 9050A

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1770	umhos/cm		10.0	1	04/27/2025 15:17	WG2501293

Sample Narrative:

L1852449-04 WG2501293: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Bromide	U		0.680	1.00	1	04/27/2025 22:03	WG2501285
Chloride	15.3		0.547	1.00	1	04/27/2025 22:03	WG2501285
Fluoride	1.86		0.0761	0.150	1	04/27/2025 22:03	WG2501285
Sulfate	608		6.37	50.0	10	04/28/2025 10:12	WG2501285

Wet Chemistry by Method 9060A

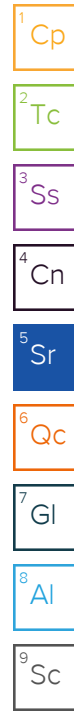
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	5.47		0.495	1.00	1	04/27/2025 16:14	WG2500445

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Aluminum,Dissolved	0.0313	<u>J</u>	0.0160	0.100	1	04/29/2025 19:57	WG2501308
Arsenic,Dissolved	0.00275		0.000120	0.00200	1	04/29/2025 19:57	WG2501308
Cadmium,Dissolved	U		0.000120	0.00100	1	04/29/2025 19:57	WG2501308
Chromium	U		0.000900	0.00200	1	04/29/2025 18:28	WG2502263
Copper,Dissolved	0.00235	<u>J</u>	0.000700	0.00500	1	04/29/2025 19:57	WG2501308
Lead,Dissolved	U		0.000500	0.00200	1	04/29/2025 19:57	WG2501308
Manganese,Dissolved	0.287		0.000700	0.00500	1	04/29/2025 19:57	WG2501308
Nickel,Dissolved	0.00302		0.000500	0.00200	1	04/29/2025 19:57	WG2501308
Selenium,Dissolved	0.00110	<u>J</u>	0.000250	0.00200	1	04/29/2025 19:57	WG2501308
Silver,Dissolved	U		0.000110	0.00200	1	04/29/2025 19:57	WG2501308
Uranium,Dissolved	0.0748		0.000130	0.00100	1	04/29/2025 19:57	WG2501308
Zinc,Dissolved	U		0.00400	0.0250	1	04/29/2025 19:57	WG2501308

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/27/2025 17:38	WG2501344
^(S) a,a,a-Trifluorotoluene(FID)	103			78.0-120		04/27/2025 17:38	WG2501344



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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	04/27/2025 18:27	WG2501194
Toluene	U		0.000278	0.00100	1	04/27/2025 18:27	WG2501194
Ethylbenzene	U		0.000137	0.00100	1	04/27/2025 18:27	WG2501194
Xylenes, Total	U		0.000174	0.00300	1	04/27/2025 18:27	WG2501194
Naphthalene	U	C3	0.00100	0.00500	1	04/27/2025 18:27	WG2501194
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/27/2025 18:27	WG2501194
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/27/2025 18:27	WG2501194
(S) Toluene-d8	100			80.0-120		04/27/2025 18:27	WG2501194
(S) 4-Bromofluorobenzene	95.8			77.0-126		04/27/2025 18:27	WG2501194
(S) 1,2-Dichloroethane-d4	99.7			70.0-130		04/27/2025 18:27	WG2501194

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
C10-C28 Diesel Range	U		0.0605	0.100	1	04/28/2025 08:05	WG2501315
C28-C36 Motor Oil Range	U		0.0772	0.100	1	04/28/2025 08:05	WG2501315
(S) o-Terphenyl	79.5			52.0-156		04/28/2025 08:05	WG2501315

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acenaphthene	U		0.0000886	0.00100	1	04/28/2025 17:59	WG2501499
Acenaphthylene	U		0.0000921	0.00100	1	04/28/2025 17:59	WG2501499
Anthracene	U		0.0000804	0.00100	1	04/28/2025 17:59	WG2501499
Benzidine	U	J4	0.00374	0.0100	1	04/28/2025 17:59	WG2501499
Benzo(a)anthracene	U		0.000199	0.00100	1	04/28/2025 17:59	WG2501499
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/28/2025 17:59	WG2501499
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/28/2025 17:59	WG2501499
Benzo(g,h,i)perylene	U	J3	0.000121	0.00100	1	04/28/2025 17:59	WG2501499
Benzo(a)pyrene	U		0.0000381	0.00100	1	04/28/2025 17:59	WG2501499
Bis(2-chloroethoxy)methane	U		0.000116	0.0100	1	04/28/2025 17:59	WG2501499
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/28/2025 17:59	WG2501499
2,2-Oxybis(1-Chloropropane)	U	C3	0.000210	0.0100	1	04/28/2025 17:59	WG2501499
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/28/2025 17:59	WG2501499
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/28/2025 17:59	WG2501499
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/28/2025 17:59	WG2501499
Chrysene	U		0.000130	0.00100	1	04/28/2025 17:59	WG2501499
Dibenz(a,h)anthracene	U	J3	0.0000644	0.00100	1	04/28/2025 17:59	WG2501499
1,2-Dichlorobenzene	U		0.0000713	0.0100	1	04/28/2025 17:59	WG2501499
1,3-Dichlorobenzene	U		0.000132	0.0100	1	04/28/2025 17:59	WG2501499
1,4-Dichlorobenzene	U		0.0000942	0.0100	1	04/28/2025 17:59	WG2501499
3,3-Dichlorobenzidine	U	J3	0.000212	0.0100	1	04/28/2025 17:59	WG2501499
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/28/2025 17:59	WG2501499
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/28/2025 17:59	WG2501499
Fluoranthene	U		0.000102	0.00100	1	04/28/2025 17:59	WG2501499
Fluorene	U		0.0000844	0.00100	1	04/28/2025 17:59	WG2501499
Hexachlorobenzene	U	J3	0.0000755	0.00100	1	04/28/2025 17:59	WG2501499
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/28/2025 17:59	WG2501499
Hexachlorocyclopentadiene	U	C7 J3	0.0000598	0.0100	1	04/28/2025 17:59	WG2501499
Hexachloroethane	U		0.000127	0.0100	1	04/28/2025 17:59	WG2501499
Indeno(1,2,3-cd)pyrene	U	J3	0.000279	0.00100	1	04/28/2025 17:59	WG2501499
Isophorone	U		0.000143	0.0100	1	04/28/2025 17:59	WG2501499
Naphthalene	U		0.000159	0.00100	1	04/28/2025 17:59	WG2501499
Nitrobenzene	U		0.000297	0.0100	1	04/28/2025 17:59	WG2501499
n-Nitrosodimethylamine	U	C3	0.000998	0.0100	1	04/28/2025 17:59	WG2501499

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

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	04/28/2025 17:59	WG2501499
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/28/2025 17:59	WG2501499
Phenanthrene	U		0.000112	0.00100	1	04/28/2025 17:59	WG2501499
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/28/2025 17:59	WG2501499
Bis(2-ethylhexyl)phthalate	U	<u>J3</u>	0.000895	0.00300	1	04/28/2025 17:59	WG2501499
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/28/2025 17:59	WG2501499
Diethyl phthalate	U		0.000287	0.00300	1	04/28/2025 17:59	WG2501499
Dimethyl phthalate	U		0.000260	0.00300	1	04/28/2025 17:59	WG2501499
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/28/2025 17:59	WG2501499
Pyrene	U		0.000107	0.00100	1	04/28/2025 17:59	WG2501499
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/28/2025 17:59	WG2501499
4-Chloro-3-methylphenol	U	<u>J3</u>	0.000131	0.0100	1	04/28/2025 17:59	WG2501499
2-Chlorophenol	U	<u>J3</u>	0.000133	0.0100	1	04/28/2025 17:59	WG2501499
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/28/2025 17:59	WG2501499
2,4-Dimethylphenol	U	<u>C3 J3</u>	0.0000636	0.0100	1	04/28/2025 17:59	WG2501499
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/28/2025 17:59	WG2501499
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/28/2025 17:59	WG2501499
2-Nitrophenol	U		0.000117	0.0100	1	04/28/2025 17:59	WG2501499
4-Nitrophenol	U	<u>J4</u>	0.000143	0.0100	1	04/28/2025 17:59	WG2501499
Pentachlorophenol	U		0.000313	0.0100	1	04/28/2025 17:59	WG2501499
Phenol	U		0.00433	0.0100	1	04/28/2025 17:59	WG2501499
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/28/2025 17:59	WG2501499
(S) 2-Fluorophenol	14.4			10.0-120		04/28/2025 17:59	WG2501499
(S) Phenol-d5	10.9			10.0-120		04/28/2025 17:59	WG2501499
(S) Nitrobenzene-d5	38.1			10.0-127		04/28/2025 17:59	WG2501499
(S) 2-Fluorobiphenyl	39.2			10.0-130		04/28/2025 17:59	WG2501499
(S) 2,4,6-Tribromophenol	28.9			10.0-155		04/28/2025 17:59	WG2501499
(S) p-Terphenyl-d14	26.9			10.0-128		04/28/2025 17:59	WG2501499

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Sample Narrative:

L1852449-04 WG2501499: Duplicate Analysis performed due to QC failure. Reporting most compliant data.

Method Blank (MB)

(MB) R4206476-1 04/27/25 20:20

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Dissolved Solids	U		10.0	10.0

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1852435-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1852435-02 04/27/25 20:20 • (DUP) R4206476-3 04/27/25 20:20

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	2770	2770	1	0.000		10

L1852456-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1852456-01 04/27/25 20:20 • (DUP) R4206476-4 04/27/25 20:20

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	2730	2800	1	2.35		10

Laboratory Control Sample (LCS)

(LCS) R4206476-2 04/27/25 20:20

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Dissolved Solids	8800	8550	97.2	90.0-110	

Method Blank (MB)

(MB) R4206142-1 04/27/25 15:55

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Suspended Solids	U		0.283	2.50

1 Cp

2 Tc

3 Ss

L1852183-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1852183-01 04/27/25 15:55 • (DUP) R4206142-3 04/27/25 15:55

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	22.0	21.0	1	4.65	↓	10

4 Cn

5 Sr

Sample Narrative:

OS: Reduced amount used due to matrix.

6 Qc

Laboratory Control Sample (LCS)

(LCS) R4206142-2 04/27/25 15:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Suspended Solids	773	842	109	85.0-115	

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4205932-2 04/27/25 15:17

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Alkalinity	U		4.75	20.0
Alkalinity,Bicarbonate	U		4.75	20.0
Alkalinity,Carbonate	U		4.75	20.0

Sample Narrative:

BLANK: Endpoint pH 4.5

L1851176-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1851176-08 04/27/25 15:27 • (DUP) R4205932-3 04/27/25 15:31

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Alkalinity	581	583	1	0.377		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1852449-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1852449-02 04/27/25 17:06 • (DUP) R4205932-4 04/27/25 17:10

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Alkalinity	411	407	1	0.920		20
Alkalinity,Bicarbonate	411	407	1	0.920		20
Alkalinity,Carbonate	U	U	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5



Laboratory Control Sample (LCS)

(LCS) R4205932-1 04/27/25 15:11

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Alkalinity	100	100	100	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4205973-1 04/27/25 18:40

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Ammonia Nitrogen	U		0.0539	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1851282-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1851282-02 04/27/25 18:45 • (DUP) R4205973-3 04/27/25 18:46

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Ammonia Nitrogen	U	U	1	0.000		10

L1851284-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1851284-01 04/27/25 18:51 • (DUP) R4205973-6 04/27/25 18:52

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Ammonia Nitrogen	0.549	0.559	1	1.81		10

Laboratory Control Sample (LCS)

(LCS) R4205973-2 04/27/25 18:42

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Ammonia Nitrogen	7.50	6.99	93.2	90.0-110	

L1851282-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1851282-02 04/27/25 18:45 • (MS) R4205973-4 04/27/25 18:48 • (MSD) R4205973-5 04/27/25 18:49

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Ammonia Nitrogen	5.00	U	4.98	4.97	99.7	99.3	1	90.0-110			0.342	10

L1851284-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1851284-01 04/27/25 18:51 • (MS) R4205973-7 04/27/25 18:54

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Ammonia Nitrogen	5.00	0.549	5.79	105	1	90.0-110	

Method Blank (MB)

(MB) R4206008-1 04/27/25 20:23

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Hexavalent Chromium	U		0.000100	0.00500

¹Cp

²Tc

³Ss

⁴Cn

L1852449-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1852449-04 04/27/25 21:41 • (DUP) R4206008-6 04/27/25 21:51

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	0.000100	U	1	200	P1	20

⁵Sr

⁶Qc

Laboratory Control Sample (LCS)

(LCS) R4206008-2 04/27/25 20:32

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	0.00200	0.00204	102	90.0-110	J

⁷Gl

⁸Al

⁹Sc

L1852449-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1852449-02 04/27/25 20:52 • (MS) R4206008-3 04/27/25 21:02 • (MSD) R4206008-4 04/27/25 21:12

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Hexavalent Chromium	0.0500	0.000226	0.0500	0.0499	99.5	99.2	1	90.0-110			0.230	20

L1852449-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1852449-03 04/27/25 21:21 • (MS) R4206008-5 04/27/25 21:31

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Hexavalent Chromium	0.0500	0.000355	0.0495	98.2	1	90.0-110	

Method Blank (MB)

(MB) R4206550-1 04/28/25 15:48

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Kjeldahl Nitrogen, TKN	U		0.131	0.250

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1848105-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1848105-09 04/28/25 16:04 • (DUP) R4206550-3 04/28/25 16:06

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Kjeldahl Nitrogen, TKN	0.268	0.169	1	45.3	J P1	20

Laboratory Control Sample (LCS)

(LCS) R4206550-2 04/28/25 15:49

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Kjeldahl Nitrogen, TKN	6.00	6.55	109	90.0-110	

L1848105-09 Original Sample (OS) • Matrix Spike (MS)

(OS) L1848105-09 04/28/25 16:04 • (MS) R4206550-4 04/28/25 16:07

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Kjeldahl Nitrogen, TKN	5.00	0.268	6.03	115	1	90.0-110	J5

Method Blank (MB)

(MB) R4205871-1 04/27/25 15:47

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Nitrate-Nitrite	U		0.0435	0.200

¹Cp

²Tc

³Ss

Laboratory Control Sample (LCS)

(LCS) R4205871-2 04/27/25 15:48

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Nitrate-Nitrite	2.50	2.51	100	90.0-110	

⁴Cn

⁵Sr

L1852034-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1852034-03 04/27/25 15:52 • (MS) R4205871-3 04/27/25 15:54 • (MSD) R4205871-4 04/27/25 15:55

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Nitrate-Nitrite	2.50	U	2.52	2.57	101	103	1	90.0-110			1.96	20

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4206020-1 04/27/25 23:27

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Phosphorus,Total	U		0.0642	0.100

¹Cp

²Tc

³Ss

L1849289-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1849289-01 04/27/25 23:29 • (DUP) R4206020-5 04/27/25 23:33

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Phosphorus,Total	1.96	1.99	1	1.52		20

⁴Cn

⁵Sr

Laboratory Control Sample (LCS)

(LCS) R4206020-2 04/27/25 23:28

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Phosphorus,Total	1.69	1.57	93.2	85.0-115	

⁶Qc

⁷Gl

L1849289-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1849289-01 04/27/25 23:29 • (MS) R4206020-3 04/27/25 23:31 • (MSD) R4206020-4 04/27/25 23:32

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Phosphorus,Total	2.50	1.96	4.37	4.21	96.4	90.0	1	90.0-110			3.73	20

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4205908-1 04/27/25 16:51

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
MBAS	U		0.0190	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1852453-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1852453-01 04/27/25 17:00 • (DUP) R4205908-3 04/27/25 17:01

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
MBAS	0.147	0.132	1	10.8		20

L1852461-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1852461-01 04/27/25 17:05 • (DUP) R4205908-4 04/27/25 17:05

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
MBAS	0.120	0.122	1	1.65		20

Laboratory Control Sample (LCS)

(LCS) R4205908-2 04/27/25 16:51

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
MBAS	1.00	0.992	99.2	85.0-115	

L1852462-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1852462-01 04/27/25 17:07 • (MS) R4205908-5 04/27/25 17:09 • (MSD) R4205908-6 04/27/25 17:10

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
MBAS	1.00	U	1.21	1.17	121	117	1	85.0-115	J5	J5	3.10	20

L1852449-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1852449-01 04/27/25 15:35 • (DUP) R4205863-2 04/27/25 15:35

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
pH	7.43	7.46	1	0.403		1

Sample Narrative:

OS: 7.43 at 21.8C
DUP: 7.46 at 21.7C

Laboratory Control Sample (LCS)

(LCS) R4205863-1 04/27/25 15:35

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
pH	10.0	9.99	99.9	99.0-101	

Sample Narrative:

LCS: 9.99 at 20.5C

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4205861-1 04/27/25 15:17

Analyte	MB Result umhos/cm	MB Qualifier	MB MDL umhos/cm	MB RDL umhos/cm
Specific Conductance	U		10.0	10.0

Sample Narrative:

BLANK: at 25C

L1852449-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1852449-01 04/27/25 15:17 • (DUP) R4205861-3 04/27/25 15:17

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits
Specific Conductance	2950	2940	1	0.102		10

Sample Narrative:

OS: at 25C

DUP: at 25C

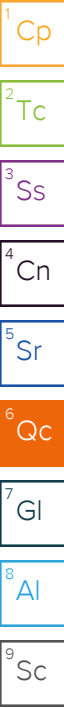
Laboratory Control Sample (LCS)

(LCS) R4205861-2 04/27/25 15:17

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	1130	1160	103	85.0-115	

Sample Narrative:

LCS: at 25C



Method Blank (MB)

(MB) R4206102-1 04/27/25 19:29

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Bromide	U		0.680	1.00
Chloride	U		0.547	1.00
Fluoride	U		0.0761	0.150
Sulfate	U		0.637	5.00

L1852449-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1852449-01 04/27/25 19:55 • (DUP) R4206102-3 04/27/25 20:07

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Bromide	U	U	1	0.000		15
Chloride	52.6	52.8	1	0.476		15
Fluoride	1.55	1.58	1	2.03		15

L1852449-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1852449-01 04/27/25 20:46 • (DUP) R4206102-6 04/27/25 20:59

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Sulfate	1130	1050	20	6.81		15

Laboratory Control Sample (LCS)

(LCS) R4206102-2 04/27/25 19:42

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/l	mg/l	%	%	
Bromide	40.0	34.9	87.3	80.0-120	
Chloride	40.0	37.9	94.8	80.0-120	
Fluoride	8.00	7.44	93.0	80.0-120	
Sulfate	40.0	36.4	90.9	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1852449-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1852449-01 04/27/25 19:55 • (MS) R4206102-4 04/27/25 20:20 • (MSD) R4206102-5 04/27/25 20:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Bromide	40.0	U	13.4	14.0	33.5	34.9	1	80.0-120	<u>J6</u>	<u>J6</u>	4.08	15
Chloride	40.0	52.6	79.5	80.1	67.4	68.8	1	80.0-120	<u>J6</u>	<u>J6</u>	0.716	15
Fluoride	8.00	1.55	8.22	8.31	83.4	84.6	1	80.0-120			1.13	15
Sulfate	40.0	1100	870	881	0.000	0.000	1	80.0-120	<u>EV</u>	<u>EV</u>	1.18	15

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

Method Blank (MB)

(MB) R4205937-2 04/27/25 10:56

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC (Total Organic Carbon)	U		0.495	1.00

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1851780-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1851780-04 04/27/25 17:24 • (DUP) R4205937-3 04/27/25 17:42

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4205937-1 04/27/25 10:40

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC (Total Organic Carbon)	25.0	24.6	98.5	85.0-115	

L1851780-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1851780-03 04/27/25 16:34 • (MS) R4205937-4 04/27/25 18:04 • (MSD) R4205937-5 04/27/25 18:25

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	25.0	U	24.9	24.9	99.5	99.5	1	85.0-115			0.000	20

L1851906-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1851906-09 04/27/25 23:51 • (MS) R4205937-6 04/28/25 00:13 • (MSD) R4205937-7 04/28/25 00:35

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	25.0	2.90	28.0	28.1	100	101	1	85.0-115			0.571	20

Method Blank (MB)

(MB) R4207199-1 04/29/25 19:31

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Aluminum,Dissolved	U		0.0160	0.100
Arsenic,Dissolved	U		0.000120	0.00200
Cadmium,Dissolved	U		0.000120	0.00100
Copper,Dissolved	U		0.000700	0.00500
Lead,Dissolved	U		0.000500	0.00200
Manganese,Dissolved	U		0.000700	0.00500
Nickel,Dissolved	U		0.000500	0.00200
Selenium,Dissolved	U		0.000250	0.00200
Silver,Dissolved	U		0.000110	0.00200
Uranium,Dissolved	U		0.000130	0.00100
Zinc,Dissolved	U		0.00400	0.0250

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4207199-2 04/29/25 19:34

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/l	mg/l	%	%	
Aluminum,Dissolved	1.00	1.00	100	80.0-120	
Arsenic,Dissolved	0.0500	0.0489	97.9	80.0-120	
Cadmium,Dissolved	0.0500	0.0501	100	80.0-120	
Copper,Dissolved	0.0500	0.0506	101	80.0-120	
Lead,Dissolved	0.0500	0.0496	99.3	80.0-120	
Manganese,Dissolved	0.0500	0.0506	101	80.0-120	
Nickel,Dissolved	0.0500	0.0498	99.6	80.0-120	
Selenium,Dissolved	0.0500	0.0479	95.9	80.0-120	
Silver,Dissolved	0.0500	0.0502	100	80.0-120	
Uranium,Dissolved	0.0500	0.0497	99.5	80.0-120	
Zinc,Dissolved	0.0500	0.0503	101	80.0-120	

L1852449-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1852449-01 04/29/25 19:37 • (MS) R4207199-4 04/29/25 19:44 • (MSD) R4207199-5 04/29/25 19:47

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Aluminum,Dissolved	1.00	U	0.982	1.00	98.2	100	1	75.0-125			2.13	20
Arsenic,Dissolved	0.0500	0.000556	0.0510	0.0519	101	103	1	75.0-125			1.75	20
Cadmium,Dissolved	0.0500	0.000124	0.0502	0.0529	100	106	1	75.0-125			5.28	20
Copper,Dissolved	0.0500	0.00119	0.0498	0.0506	97.1	98.8	1	75.0-125			1.64	20
Lead,Dissolved	0.0500	U	0.0504	0.0509	101	102	1	75.0-125			1.03	20

L1852449-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1852449-01 04/29/25 19:37 • (MS) R4207199-4 04/29/25 19:44 • (MSD) R4207199-5 04/29/25 19:47

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Manganese,Dissolved	0.0500	4.62	4.68	4.66	130	88.1	1	75.0-125	V		0.443	20
Nickel,Dissolved	0.0500	0.0105	0.0602	0.0602	99.4	99.5	1	75.0-125			0.0678	20
Selenium,Dissolved	0.0500	0.000302	0.0517	0.0523	103	104	1	75.0-125			1.18	20
Silver,Dissolved	0.0500	U	0.0498	0.0510	99.5	102	1	75.0-125			2.39	20
Uranium,Dissolved	0.0500	0.0843	0.138	0.139	107	110	1	75.0-125			1.25	20
Zinc,Dissolved	0.0500	U	0.0515	0.0492	103	98.5	1	75.0-125			4.48	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4207181-1 04/29/25 17:45

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chromium	U		0.000900	0.00200

Laboratory Control Sample (LCS)

(LCS) R4207181-2 04/29/25 17:49

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chromium	0.0500	0.0515	103	80.0-120	

L1850329-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1850329-01 04/29/25 17:52 • (MS) R4207181-4 04/29/25 17:59 • (MSD) R4207181-5 04/29/25 18:02

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium	0.0500	0.0884	0.142	0.140	108	103	1	75.0-125			1.59	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4205921-3 04/27/25 08:56

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
^(S) a,a,a-Trifluorotoluene(FID)	102			78.0-120

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

(LCS) R4205921-1 04/27/25 07:55 • (LCSD) R4205921-2 04/27/25 08:15

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	4.91	4.17	98.2	83.4	72.0-127			16.3	20
^(S) a,a,a-Trifluorotoluene(FID)				105	101	78.0-120				

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

Method Blank (MB)

(MB) R4205935-2 04/27/25 12:14

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Benzene	U		0.0000941	0.00100
Toluene	U		0.000278	0.00100
Ethylbenzene	U		0.000137	0.00100
Xylenes, Total	U		0.000174	0.00300
Naphthalene	U		0.00100	0.00500
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
(S) Toluene-d8	100			80.0-120
(S) 4-Bromofluorobenzene	96.7			77.0-126
(S) 1,2-Dichloroethane-d4	101			70.0-130

Laboratory Control Sample (LCS)

(LCS) R4205935-1 04/27/25 11:32

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/l	mg/l	%	%	
Benzene	0.00500	0.00507	101	70.0-123	
Toluene	0.00500	0.00485	97.0	79.0-120	
Ethylbenzene	0.00500	0.00466	93.2	79.0-123	
Xylenes, Total	0.0150	0.0144	96.0	79.0-123	
Naphthalene	0.00500	0.00339	67.8	54.0-135	J
1,2,4-Trimethylbenzene	0.00500	0.00492	98.4	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00506	101	76.0-122	
(S) Toluene-d8			98.6	80.0-120	
(S) 4-Bromofluorobenzene			96.8	77.0-126	
(S) 1,2-Dichloroethane-d4			102	70.0-130	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4206038-1 04/27/25 22:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
C10-C28 Diesel Range	U		0.0605	0.100
C28-C36 Motor Oil Range	U		0.0772	0.100
(S) o-Terphenyl	73.5			52.0-156

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

(LCS) R4206038-2 04/27/25 22:58 • (LCSD) R4206038-3 04/27/25 23:18

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	1.50	1.41	1.57	94.0	105	50.0-150			10.7	20
(S) o-Terphenyl				88.5	89.5	52.0-156				

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

Method Blank (MB)

(MB) R4206084-3 04/28/25 06:45

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
C10-C28 Diesel Range	U		0.0605	0.100
C28-C36 Motor Oil Range	U		0.0772	0.100
<i>(S) o-Terphenyl</i>	71.0			52.0-156

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

(LCS) R4206084-1 04/28/25 06:04 • (LCSD) R4206084-2 04/28/25 06:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	1.50	1.32	1.41	88.0	94.0	50.0-150			6.59	20
<i>(S) o-Terphenyl</i>				83.0	86.0	52.0-156				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4206478-3 04/28/25 12:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acenaphthene	U		0.000886	0.00100
Acenaphthylene	U		0.000921	0.00100
Anthracene	U		0.000804	0.00100
Benzidine	U		0.00374	0.0100
Benzo(a)anthracene	U		0.000199	0.00100
Benzo(b)fluoranthene	U		0.000130	0.00100
Benzo(k)fluoranthene	U		0.000120	0.00100
Benzo(g,h,i)perylene	U		0.000121	0.00100
Benzo(a)pyrene	U		0.0000381	0.00100
Bis(2-chlorethoxy)methane	U		0.000116	0.0100
Bis(2-chloroethyl)ether	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100
4-Bromophenyl-phenylether	U		0.0000877	0.0100
2-Chloronaphthalene	U		0.0000648	0.00100
4-Chlorophenyl-phenylether	U		0.0000926	0.0100
Chrysene	U		0.000130	0.00100
Dibenz(a,h)anthracene	U		0.0000644	0.00100
1,2-Dichlorobenzene	U		0.0000713	0.0100
1,3-Dichlorobenzene	U		0.000132	0.0100
1,4-Dichlorobenzene	U		0.0000942	0.0100
3,3-Dichlorobenzidine	U		0.000212	0.0100
2,4-Dinitrotoluene	U		0.0000983	0.0100
2,6-Dinitrotoluene	U		0.000250	0.0100
Fluoranthene	U		0.000102	0.00100
Fluorene	U		0.0000844	0.00100
Hexachlorobenzene	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	U		0.0000968	0.0100
Hexachlorocyclopentadiene	U		0.0000598	0.0100
Hexachloroethane	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100
Isophorone	U		0.000143	0.0100
Naphthalene	U		0.000159	0.00100
Nitrobenzene	U		0.000297	0.0100
n-Nitrosodimethylamine	U		0.000998	0.0100
n-Nitrosodiphenylamine	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	U		0.000261	0.0100
Phenanthrene	U		0.000112	0.00100
Benzylbutyl phthalate	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300
Di-n-butyl phthalate	U		0.000453	0.00300

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4206478-3 04/28/25 12:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Diethyl phthalate	U		0.000287	0.00300
Dimethyl phthalate	U		0.000260	0.00300
Di-n-octyl phthalate	U		0.000932	0.00300
Pyrene	U		0.000107	0.00100
1,2,4-Trichlorobenzene	U		0.0000698	0.0100
4-Chloro-3-methylphenol	U		0.000131	0.0100
2-Chlorophenol	U		0.000133	0.0100
2,4-Dichlorophenol	U		0.000102	0.0100
2,4-Dimethylphenol	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100
2,4-Dinitrophenol	U		0.00593	0.0100
2-Nitrophenol	U		0.000117	0.0100
4-Nitrophenol	U		0.000143	0.0100
Pentachlorophenol	U		0.000313	0.0100
Phenol	U		0.00433	0.0100
2,4,6-Trichlorophenol	U		0.000100	0.0100
(S) 2-Fluorophenol	33.4			10.0-120
(S) Phenol-d5	23.8			10.0-120
(S) Nitrobenzene-d5	54.5			10.0-127
(S) 2-Fluorobiphenyl	60.2			10.0-130
(S) 2,4,6-Tribromophenol	63.0			10.0-155
(S) p-Terphenyl-d14	67.9			10.0-128

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

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

(LCS) R4206478-1 04/28/25 12:04 • (LCSD) R4206478-2 04/28/25 12:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0500	0.0327	0.0274	65.4	54.8	41.0-120			17.6	22
Acenaphthylene	0.0500	0.0367	0.0304	73.4	60.8	43.0-120			18.8	22
Anthracene	0.0500	0.0327	0.0278	65.4	55.6	45.0-120			16.2	20
Benzidine	0.100	0.00867	0.00866	8.67	8.66	10.0-120	J J4	J J4	0.115	36
Benzo(a)anthracene	0.0500	0.0345	0.0291	69.0	58.2	47.0-120			17.0	20
Benzo(b)fluoranthene	0.0500	0.0347	0.0288	69.4	57.6	46.0-120			18.6	20
Benzo(k)fluoranthene	0.0500	0.0326	0.0282	65.2	56.4	46.0-120			14.5	21
Benzo(g,h,i)perylene	0.0500	0.0344	0.0254	68.8	50.8	48.0-121		J3	30.1	20
Benzo(a)pyrene	0.0500	0.0360	0.0296	72.0	59.2	47.0-120			19.5	20
Bis(2-chloroethoxy)methane	0.0500	0.0274	0.0227	54.8	45.4	33.0-120			18.8	24
Bis(2-chloroethyl)ether	0.0500	0.0267	0.0220	53.4	44.0	23.0-120			19.3	33

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

(LCS) R4206478-1 04/28/25 12:04 • (LCSD) R4206478-2 04/28/25 12:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2,2-Oxybis(1-Chloropropane)	0.0500	0.0230	0.0188	46.0	37.6	28.0-120			20.1	31
4-Bromophenyl-phenylether	0.0500	0.0369	0.0303	73.8	60.6	45.0-120			19.6	20
2-Chloronaphthalene	0.0500	0.0306	0.0254	61.2	50.8	37.0-120			18.6	25
4-Chlorophenyl-phenylether	0.0500	0.0373	0.0311	74.6	62.2	44.0-120			18.1	20
Chrysene	0.0500	0.0316	0.0264	63.2	52.8	48.0-120			17.9	20
Dibenz(a,h)anthracene	0.0500	0.0377	0.0280	75.4	56.0	47.0-120		J3	29.5	20
1,2-Dichlorobenzene	0.0500	0.0245	0.0213	49.0	42.6	20.0-120			14.0	34
1,3-Dichlorobenzene	0.0500	0.0236	0.0208	47.2	41.6	17.0-120			12.6	35
1,4-Dichlorobenzene	0.0500	0.0249	0.0215	49.8	43.0	18.0-120			14.7	34
3,3-Dichlorobenzidine	0.100	0.0709	0.0579	70.9	57.9	44.0-120		J3	20.2	20
2,4-Dinitrotoluene	0.0500	0.0437	0.0389	87.4	77.8	49.0-124			11.6	20
2,6-Dinitrotoluene	0.0500	0.0405	0.0350	81.0	70.0	46.0-120			14.6	21
Fluoranthene	0.0500	0.0407	0.0344	81.4	68.8	51.0-120			16.8	20
Fluorene	0.0500	0.0344	0.0302	68.8	60.4	47.0-120			13.0	20
Hexachlorobenzene	0.0500	0.0335	0.0272	67.0	54.4	44.0-120		J3	20.8	20
Hexachloro-1,3-butadiene	0.0500	0.0270	0.0223	54.0	44.6	19.0-120			19.1	32
Hexachlorocyclopentadiene	0.0500	0.0169	0.0112	33.8	22.4	15.0-120		J3	40.6	31
Hexachloroethane	0.0500	0.0232	0.0206	46.4	41.2	15.0-120			11.9	37
Indeno(1,2,3-cd)pyrene	0.0500	0.0390	0.0286	78.0	57.2	49.0-122		J3	30.8	20
Isophorone	0.0500	0.0288	0.0239	57.6	47.8	36.0-120			18.6	23
Naphthalene	0.0500	0.0268	0.0222	53.6	44.4	27.0-120			18.8	27
Nitrobenzene	0.0500	0.0261	0.0217	52.2	43.4	27.0-120			18.4	29
n-Nitrosodimethylamine	0.0500	0.0150	0.0119	30.0	23.8	10.0-120			23.0	40
n-Nitrosodiphenylamine	0.0500	0.0347	0.0285	69.4	57.0	47.0-120			19.6	20
n-Nitrosodi-n-propylamine	0.0500	0.0271	0.0221	54.2	44.2	31.0-120			20.3	28
Phenanthrene	0.0500	0.0327	0.0270	65.4	54.0	46.0-120			19.1	20
Benzylbutyl phthalate	0.0500	0.0359	0.0310	71.8	62.0	43.0-121			14.6	20
Bis(2-ethylhexyl)phthalate	0.0500	0.0351	0.0255	70.2	51.0	43.0-122		J3	31.7	20
Di-n-butyl phthalate	0.0500	0.0403	0.0343	80.6	68.6	49.0-121			16.1	20
Diethyl phthalate	0.0500	0.0385	0.0325	77.0	65.0	48.0-122			16.9	20
Dimethyl phthalate	0.0500	0.0373	0.0322	74.6	64.4	48.0-120			14.7	20
Di-n-octyl phthalate	0.0500	0.0308	0.0290	61.6	58.0	42.0-125			6.02	20
Pyrene	0.0500	0.0301	0.0256	60.2	51.2	47.0-120			16.2	20
1,2,4-Trichlorobenzene	0.0500	0.0283	0.0244	56.6	48.8	24.0-120			14.8	29
4-Chloro-3-methylphenol	0.0500	0.0331	0.0236	66.2	47.2	40.0-120		J3	33.5	21
2-Chlorophenol	0.0500	0.0225	0.0156	45.0	31.2	25.0-120		J3	36.2	35
2,4-Dichlorophenol	0.0500	0.0312	0.0241	62.4	48.2	36.0-120			25.7	26
2,4-Dimethylphenol	0.0500	0.0255	0.0190	51.0	38.0	33.0-120		J3	29.2	26
4,6-Dinitro-2-methylphenol	0.0500	0.0461	0.0399	92.2	79.8	38.0-138			14.4	25
2,4-Dinitrophenol	0.0500	0.0436	0.0364	87.2	72.8	10.0-120			18.0	39

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R4206478-1 04/28/25 12:04 • (LCSD) R4206478-2 04/28/25 12:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2-Nitrophenol	0.0500	0.0324	0.0264	64.8	52.8	31.0-120			20.4	29
4-Nitrophenol	0.0500	0.0922	0.0769	184	154	10.0-120	J4	J4	18.1	33
Pentachlorophenol	0.0500	0.0223	0.0179	44.6	35.8	23.0-120			21.9	25
Phenol	0.0500	0.0117	0.00919	23.4	18.4	10.0-120		J	24.0	36
2,4,6-Trichlorophenol	0.0500	0.0356	0.0292	71.2	58.4	42.0-120			19.8	23
<i>(S)</i> 2-Fluorophenol				35.8	26.7	10.0-120				
<i>(S)</i> Phenol-d5				24.8	19.0	10.0-120				
<i>(S)</i> Nitrobenzene-d5				59.5	49.6	10.0-127				
<i>(S)</i> 2-Fluorobiphenyl				72.5	59.1	10.0-130				
<i>(S)</i> 2,4,6-Tribromophenol				81.0	66.0	10.0-155				
<i>(S)</i> p-Terphenyl-d14				72.3	60.7	10.0-128				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

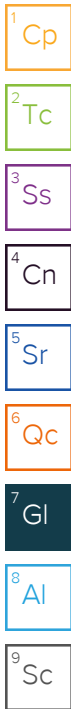
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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

Abbreviations and Definitions

MDL	Method Detection Limit.
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.
C7	The initial calibration verification standard (SSCV) associated with this data responded high.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
T8	Sample(s) received past/too close to holding time expiration.
V	The sample concentration is too high to evaluate accurate spike recoveries.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

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

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

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Company Name/Address:
Chevron - CO
 2115 117th Avenue
 Greeley, CO 80631

Billing Information:
Dan Peterson
 2115 117th Avenue
 Greeley, CO 80631

Analysis / Container / Preservative	
Pres Chk	



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/hubs/pas-standard-terms.pdf>

SDG # 1852449
E106

Accnum: **CHEGCO**
 Template: **T272375**
 Prelogin: **P1146472**
 PM: **824 - Chris Ward**
 PB:

Shipped Via: **FedEX Ground**

Report to:
Maxwell Moran 970-304-5000

Email To: **chris.ward@pacelabs.com**

Project Description: Bishop Loe

City/State Collected: Galeton, Co

Please Circle:
 PT MT CT ET

Regulatory Program(DOD,RCRA,DW,etc):
 Client Project # 30279746

Lab Project #
CHEGCO-ARCADIS

Collected by (print):
Justin Moran

Site/Facility ID #
Bishop Loe

P.O. #
30279746

Collected by (signature):

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

Immediately Packed on Ice N ___ Y X

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
	G	GW		4-26-25	1030	23
	G	GW		4-26-25	1210	23
	G	GW		4-26-25	1340	23
	G	GW		4-26-25	1510	23
		GW				23
		GW				23
		GW				23

RA-226 1L-HDPE-Add HNO3	RA-228 1L-HDPE-Add HNO3	TDS 1L-HDPE NoPres	TOC 250mlAmb-HCl	TSS 1L-HDPE NoPres	V8260 40mlAmb-HCl	pH 125mlHDPE-NoPres	pH,SPCON 250mlHDPE-NoPres
-------------------------	-------------------------	--------------------	------------------	--------------------	-------------------	---------------------	---------------------------

Remarks	Sample # (lab only)
	-01
	-02
	-03
	-04

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

Remarks: **Metals - Ag,Al,As,Cd,Cu,Mn,Ni,Pb,Se,U,Zn**
FF metals, hex chrome, rush metals, anions, voc, SVOC, pH, Temp, Flow, Other
TPM - Gro DRO

Samples returned via:
 ___ UPS ___ FedEx ___ Courier

Tracking #

Sample Receipt Checklist

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

Relinquished by: (Signature)

Date: 4-26-25

Time: 1700

Received by: (Signature)

Trip Blank Received: Yes/No
 HCL/MeOH
 TBR

Relinquished by: (Signature)

Date: 4-26-25

Time: 2000

Received by: (Signature)

Temp: °C multi Bottles Received: 91

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature) 17

Date: 4-27-25 Time: 1015

Hold: Condition: NCF / OK

Company Name/Address:
Chevron - CO
 2115 117th Avenue
 Greeley, CO 80631

Billing Information:
Dan Peterson
 2115 117th Avenue
 Greeley, CO 80631

Pres
 Chk

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

Report to:
Maxwell Moran 970-304-5000

Email To: **chris.ward@pacelabs.com**

Project Description:
Bishop Loc

City/State Collected: **Greeley, CO**

Please Circle:
 PT MT CT ET

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

Client Project #
302 79746

Lab Project #
CHEGCO-ARCADIS

Collected by (print):
Justin Moran

Site/Facility ID #

P.O. # **302 79746**

Collected by (signature):

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 #

Immediately Packed on Ice N ___ Y **X**

Date Results Needed

No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	8270 100ml Amb NoPres	ALK,ALKBI,ALKCA 125mlHDPE-NoPres	Br,Cl,F,SO4 125mlHDPE-NoPres	CR6ICFFP 50mlTube/plungerPres	DRONMLVI 40mlAmb-HCl-BT	Diss Metals+Cr3 250mlHDPE-NoPres	GRO 40mlAmb HCl	MBAS 500mlHDPE-NoPres	NH3,NO2NO3 250mlHDPE-H2SO4	PT,TKN 250mlHDPE-H2SO4	
MW-516-W-20250426	G	GW		4-26-25	1030	23	X	X	X	X	X	X	X	X	X	X	
MW-N13-W-20250426	G	GW		4-26-25	1210	23	X	X	X	X	X	X	X	X	X	X	
MW-N14-W-20250426	G	GW		4-26-25	1340	23	X	X	X	X	X	X	X	X	X	X	
MW-N15-W-20250426	G	GW		4-26-25	1510	23	X	X	X	X	X	X	X	X	X	X	
	5m	GW				23	X	X	X	X	X	X	X	X	X	X	
		GW				23	X	X	X	X	X	X	X	X	X	X	
		GW				23	X	X	X	X	X	X	X	X	X	X	
		GW				23	X	X	X	X	X	X	X	X	X	X	
		GW				23	X	X	X	X	X	X	X	X	X	X	

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/hubs/pas-standard-terms.pdf>

SDG # **1852449**

Table #

Acctnum: **CHEGCO**

Template: **T272375**

Prelogin: **P1146472**

PM: **824 - Chris Ward**

PB:

Shipped Via: **FedEX Ground**

Remarks Sample # (lab only)

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

Remarks: Metals - Ag,Al,As,Cd,Cu,Mn,Ni,Pb,Se,U,Zn
 field filter materials, hex chrome, rush metals, 9.5 pH
 VOC, SVOC, TPH-GRO/DRO

Samples returned via:
 ___ UPS ___ FedEx ___ Courier

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact: 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: **4-26-25**

Time: **1700**

Received by: (Signature)

Date: **4-26-25**

Time: **2000**

Received for lab by: (Signature)

Date: **4-27-25**

Time: **1015**

Trip Blank Received: Yes/No
 HCL/MeOH
 TBR

Temp: **91** °C

Bottles Received: **91**

If preservation required by Login: Date/Time

Hold:

Condition: **NCF / OK**

Company Name/Address:
Chevron - CO
 2115 117th Avenue
 Greeley, CO 80631

Billing Information:
Dan Peterson
 2115 117th Avenue
 Greeley, CO 80631

Report to:
Maxwell Moran 970-304-5000

Email To: **chris.ward@pacelabs.com**

Project Description:

City/State Collected: **Greeley, CO**

Please Circle:
 PT MT CT ET

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

Client Project #
30279746

Lab Project #
CHEGCO-ARCADIS

Collected by (print):
Justin Miller

Site/Facility ID #
Bishop Loc

P.O. #
30279746

Collected by (signature):

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
(4/26/25)

Immediate Packed on Ice N ___ Y

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8270 100ml Amb NoPres	ALK,ALKBI,ALKCA 125mlHDPE-NoPres	Br,Cl,F,SO4 125mlHDPE-NoPres	CR6ICFFP 50mlTube/plungerPres	DRONMLV 40mlAmb-HCl-BT	Diss Metals+Cr3 250mlHDPE-NoPres	GRO 40mlAmb HCl	MBAS 500mlHDPE-NoPres	NH3,NO2NO3 250mlHDPE-H2SO4	PT,TKN 250mlHDPE-H2SO4	
MW-516-w-20250426	G	GW		1630	4-26-25	23	X	X	X	X	X	X	X	X	X	X	-01
MW-M3-w-20250426	G	GW		1210	4-26-25	23	X	X	X	X	X	X	X	X	X	X	-02
MW-M4-w-20250426	G	GW		1340	4-26-25	23	X	X	X	X	X	X	X	X	X	X	-03
MW-M5-w-20250426	G	GW		1510	4-26-25	23	X	X	X	X	X	X	X	X	X	X	-04
		GW				23	X	X	X	X	X	X	X	X	X	X	
		GW				23	X	X	X	X	X	X	X	X	X	X	
		GW				23	X	X	X	X	X	X	X	X	X	X	

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

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 # **1892449**

Table #

Acctnum: **CHEGCO**
 Template: **T272375**
 Prelogin: **P1146472**
 PM: **824 - Chris Ward**
 PB:

Shipped Via: **FedEX Ground**

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

Remarks: **Metals - Ag,Al,As,Cd,Cu,Mn,Ni,Pb,Se,U,Zn**

pH ___ Temp ___
 Flow ___ Other ___

Samples returned via:
 ___ UPS ___ FedEx ___ Courier

Tracking # **N/A**

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: **4-26-25**

Time:

Received by: (Signature)

Trip Blank Received: Yes No ___
 HCL/MeOH
 TBR

Temp: ___ °C
 Bottles Received: **91**

If preservation required by Login: Date/Time

Hold: **17**

Condition: **NCF / OK**

