

Haley Griffith (adpce.ad)

From: Brittnie Boyd <Brittnie.Boyd@pacelabs.com>
Sent: Friday, September 26, 2025 11:46 AM
To: EE GW Reports
Cc: Jaros, David G.; Gramling, Paul T.; Acree, Matt J
Subject: Lab Reports - L1801840, L1859739, and L1872086
Attachments: L1801840.pdf; L1859739.pdf; L1872086.pdf

Please see attached PDFs for lab reports L1801840, L1859739, and L1872086.

AFIN:02-00013

Thank you,

Brittnie Boyd

Project Manager 1 | National
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Terracon - Little Rock, AR

Sample Delivery Group: L1801840

Samples Received: 11/20/2024

Project Number:

Description: Georgia Pacific-Crossett Facility

Report To: David Jaros
25809 I-30
Bryant, AR 72022

Entire Report Reviewed By:



Brittanie L Boyd
Project Manager

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Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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

SAMPLE SUMMARY

MW-1 L1801840-01 GW

				Collected by Wes Williams	Collected date/time 11/19/24 13:22	Received date/time 11/20/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2405423	1	11/20/24 17:51	11/21/24 11:32	JAC	Mt. Juliet, TN
Wet Chemistry by Method 1664B	WG2408961	1	11/26/24 07:28	11/26/24 22:09	DAL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2405066	1	11/21/24 00:14	11/21/24 00:14	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2405066	10	11/21/24 00:01	11/21/24 00:01	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2408823	1	11/27/24 14:06	11/27/24 14:06	AF	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2407790	1	11/29/24 07:46	11/29/24 13:13	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2409276	1	11/27/24 01:01	11/27/24 01:01	ACG	Mt. Juliet, TN

MW-2N L1801840-02 GW

				Collected by Wes Williams	Collected date/time 11/19/24 14:35	Received date/time 11/20/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2405423	1	11/20/24 17:51	11/21/24 11:32	JAC	Mt. Juliet, TN
Wet Chemistry by Method 1664B	WG2408961	1	11/26/24 07:28	11/26/24 22:09	DAL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2405066	1	11/21/24 00:39	11/21/24 00:39	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2405066	50	11/21/24 00:26	11/21/24 00:26	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2408823	1	11/27/24 14:24	11/27/24 14:24	AF	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2407790	1	11/29/24 07:46	11/29/24 13:34	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2409276	1	11/27/24 01:20	11/27/24 01:20	ACG	Mt. Juliet, TN

MW-3 L1801840-03 GW

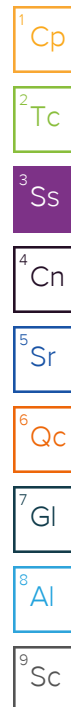
				Collected by Wes Williams	Collected date/time 11/19/24 11:51	Received date/time 11/20/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2405423	1	11/20/24 17:51	11/21/24 11:32	JAC	Mt. Juliet, TN
Wet Chemistry by Method 1664B	WG2408961	1	11/26/24 07:28	11/26/24 22:09	DAL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2405066	1	11/21/24 01:30	11/21/24 01:30	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2405066	10	11/21/24 00:52	11/21/24 00:52	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2408823	1	11/27/24 14:39	11/27/24 14:39	AF	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2407790	1	11/29/24 07:46	11/29/24 13:36	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2409276	1	11/27/24 01:39	11/27/24 01:39	ACG	Mt. Juliet, TN

MW-4 L1801840-04 GW

				Collected by Wes Williams	Collected date/time 11/19/24 12:41	Received date/time 11/20/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2405423	1	11/20/24 17:51	11/21/24 11:32	JAC	Mt. Juliet, TN
Wet Chemistry by Method 1664B	WG2408961	1	11/26/24 07:28	11/26/24 22:09	DAL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2405066	1	11/21/24 01:56	11/21/24 01:56	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2405066	50	11/21/24 01:43	11/21/24 01:43	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2408823	1	11/27/24 14:55	11/27/24 14:55	AF	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2407790	1	11/29/24 07:46	11/29/24 13:38	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2409276	1	11/27/24 01:57	11/27/24 01:57	ACG	Mt. Juliet, TN

MW-9 L1801840-05 GW

				Collected by Wes Williams	Collected date/time 11/19/24 14:27	Received date/time 11/20/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2405423	1	11/20/24 17:51	11/21/24 11:32	JAC	Mt. Juliet, TN
Wet Chemistry by Method 1664B	WG2408961	1	11/26/24 07:28	11/26/24 22:09	DAL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2405066	1	11/21/24 02:22	11/21/24 02:22	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2405066	10	11/21/24 02:09	11/21/24 02:09	ZSA	Mt. Juliet, TN



SAMPLE SUMMARY

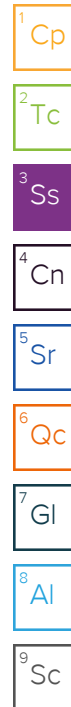
MW-9 L1801840-05 GW

Collected by
Wes Williams

Collected date/time
11/19/24 14:27

Received date/time
11/20/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9060A	WG2408823	1	11/27/24 15:11	11/27/24 15:11	AF	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2407790	1	11/29/24 07:46	11/29/24 13:39	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2409276	1	11/27/24 02:16	11/27/24 02:16	ACG	Mt. Juliet, TN



MW-6 L1801840-06 GW

Collected by
Wes Williams

Collected date/time
11/19/24 13:21

Received date/time
11/20/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2405423	1	11/20/24 17:51	11/21/24 11:32	JAC	Mt. Juliet, TN
Wet Chemistry by Method 1664B	WG2408961	1	11/26/24 07:28	11/26/24 22:09	DAL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2405066	1	11/21/24 02:34	11/21/24 02:34	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2408823	1	11/27/24 15:54	11/27/24 15:54	AF	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2407790	1	11/29/24 07:46	11/29/24 13:41	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2409276	1	11/27/24 02:35	11/27/24 02:35	ACG	Mt. Juliet, TN

MW-7 L1801840-07 GW

Collected by
Wes Williams

Collected date/time
11/19/24 11:50

Received date/time
11/20/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2405423	1	11/20/24 17:51	11/21/24 11:32	JAC	Mt. Juliet, TN
Wet Chemistry by Method 1664B	WG2408961	1	11/26/24 07:28	11/26/24 22:09	DAL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2405066	5	11/21/24 03:00	11/21/24 03:00	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2408823	1	11/27/24 16:46	11/27/24 16:46	AF	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2407790	1	11/29/24 07:46	11/29/24 13:43	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2409276	1	11/27/24 02:54	11/27/24 02:54	ACG	Mt. Juliet, TN

DUPE L1801840-08 GW

Collected by
Wes Williams

Collected date/time
11/19/24 11:55

Received date/time
11/20/24 09:00

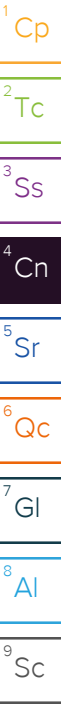
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2405423	1	11/20/24 17:51	11/21/24 11:32	JAC	Mt. Juliet, TN
Wet Chemistry by Method 1664B	WG2408961	1	11/26/24 07:28	11/26/24 22:09	DAL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2405207	5	11/20/24 21:46	11/20/24 21:46	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2405207	50	11/21/24 03:06	11/21/24 03:06	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2408823	1	11/27/24 17:55	11/27/24 17:55	AF	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2407790	1	11/29/24 07:46	11/29/24 13:44	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2409276	1	11/27/24 03:12	11/27/24 03:12	ACG	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.



Brittnie L Boyd
Project Manager



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2530000		50000	1	11/21/2024 11:32	WG2405423

Wet Chemistry by Method 1664B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH - Oil & Grease	U		1410	5050	1	11/26/2024 22:09	WG2408961

Sample Narrative:

L1801840-01 WG2408961: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	885000		5470	10000	10	11/21/2024 00:01	WG2405066
Fluoride	125	J	76.1	150	1	11/21/2024 00:14	WG2405066
Nitrate as (N)	313		88.4	100	1	11/21/2024 00:14	WG2405066
Sulfate	311000		6370	50000	10	11/21/2024 00:01	WG2405066

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	2210		495	1000	1	11/27/2024 14:06	WG2408823

Metals (ICP) by Method 6010B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	U		4.40	10.0	1	11/29/2024 13:13	WG2407790
Barium	59.8		0.736	5.00	1	11/29/2024 13:13	WG2407790
Chromium	2.15	J	1.40	10.0	1	11/29/2024 13:13	WG2407790
Iron	54.0	J	18.0	100	1	11/29/2024 13:13	WG2407790
Lead	U		2.99	6.00	1	11/29/2024 13:13	WG2407790
Manganese	3.31	J	0.934	10.0	1	11/29/2024 13:13	WG2407790
Zinc	U		6.52	50.0	1	11/29/2024 13:13	WG2407790

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	11/27/2024 01:01	WG2409276
(S) Toluene-d8	99.6			80.0-120		11/27/2024 01:01	WG2409276
(S) 4-Bromofluorobenzene	106			77.0-126		11/27/2024 01:01	WG2409276
(S) 1,2-Dichloroethane-d4	119			70.0-130		11/27/2024 01:01	WG2409276

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Dissolved Solids	6090000		100000	1	11/21/2024 11:32	WG2405423

Wet Chemistry by Method 1664B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH - Oil & Grease	U		1410	5050	1	11/26/2024 22:09	WG2408961

Sample Narrative:
L1801840-02 WG2408961: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	1970000		27400	50000	50	11/21/2024 00:26	WG2405066
Fluoride	156		76.1	150	1	11/21/2024 00:39	WG2405066
Nitrate as (N)	667		88.4	100	1	11/21/2024 00:39	WG2405066
Sulfate	1560000		31800	250000	50	11/21/2024 00:26	WG2405066

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	18600		495	1000	1	11/27/2024 14:24	WG2408823

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	U		4.40	10.0	1	11/29/2024 13:34	WG2407790
Barium	29.3		0.736	5.00	1	11/29/2024 13:34	WG2407790
Chromium	U		1.40	10.0	1	11/29/2024 13:34	WG2407790
Iron	96.4	J	18.0	100	1	11/29/2024 13:34	WG2407790
Lead	U		2.99	6.00	1	11/29/2024 13:34	WG2407790
Manganese	380		0.934	10.0	1	11/29/2024 13:34	WG2407790
Zinc	12.5	J	6.52	50.0	1	11/29/2024 13:34	WG2407790

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	11/27/2024 01:20	WG2409276
(S) Toluene-d8	98.8			80.0-120		11/27/2024 01:20	WG2409276
(S) 4-Bromofluorobenzene	107			77.0-126		11/27/2024 01:20	WG2409276
(S) 1,2-Dichloroethane-d4	122			70.0-130		11/27/2024 01:20	WG2409276

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l		date / time	
Dissolved Solids	3650000		100000	1	11/21/2024 11:32	WG2405423

Wet Chemistry by Method 1664B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
TPH - Oil & Grease	U		1400	5000	1	11/26/2024 22:09	WG2408961

Sample Narrative:
L1801840-03 WG2408961: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Chloride	1080000		5470	10000	10	11/21/2024 00:52	WG2405066
Fluoride	134	J	76.1	150	1	11/21/2024 01:30	WG2405066
Nitrate as (N)	522		88.4	100	1	11/21/2024 01:30	WG2405066
Sulfate	1170000		6370	50000	10	11/21/2024 00:52	WG2405066

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3050		495	1000	1	11/27/2024 14:39	WG2408823

Metals (ICP) by Method 6010B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Arsenic	U		4.40	10.0	1	11/29/2024 13:36	WG2407790
Barium	22.9		0.736	5.00	1	11/29/2024 13:36	WG2407790
Chromium	2.19	J	1.40	10.0	1	11/29/2024 13:36	WG2407790
Iron	161		18.0	100	1	11/29/2024 13:36	WG2407790
Lead	U		2.99	6.00	1	11/29/2024 13:36	WG2407790
Manganese	200		0.934	10.0	1	11/29/2024 13:36	WG2407790
Zinc	14.1	J	6.52	50.0	1	11/29/2024 13:36	WG2407790

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

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	11/27/2024 01:39	WG2409276
(S) Toluene-d8	99.4			80.0-120		11/27/2024 01:39	WG2409276
(S) 4-Bromofluorobenzene	107			77.0-126		11/27/2024 01:39	WG2409276
(S) 1,2-Dichloroethane-d4	116			70.0-130		11/27/2024 01:39	WG2409276

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l		date / time	
Dissolved Solids	4870000		100000	1	11/21/2024 11:32	WG2405423

Wet Chemistry by Method 1664B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
TPH - Oil & Grease	U		1400	5000	1	11/26/2024 22:09	WG2408961

Sample Narrative:

L1801840-04 WG2408961: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Chloride	1170000		27400	50000	50	11/21/2024 01:43	WG2405066
Fluoride	226		76.1	150	1	11/21/2024 01:56	WG2405066
Nitrate as (N)	673		88.4	100	1	11/21/2024 01:56	WG2405066
Sulfate	1630000		31800	250000	50	11/21/2024 01:43	WG2405066

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1690		495	1000	1	11/27/2024 14:55	WG2408823

Metals (ICP) by Method 6010B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Arsenic	U		4.40	10.0	1	11/29/2024 13:38	WG2407790
Barium	13.7		0.736	5.00	1	11/29/2024 13:38	WG2407790
Chromium	3.89	J	1.40	10.0	1	11/29/2024 13:38	WG2407790
Iron	110		18.0	100	1	11/29/2024 13:38	WG2407790
Lead	U		2.99	6.00	1	11/29/2024 13:38	WG2407790
Manganese	13.1		0.934	10.0	1	11/29/2024 13:38	WG2407790
Zinc	13.2	J	6.52	50.0	1	11/29/2024 13:38	WG2407790

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

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	11/27/2024 01:57	WG2409276
(S) Toluene-d8	102			80.0-120		11/27/2024 01:57	WG2409276
(S) 4-Bromofluorobenzene	107			77.0-126		11/27/2024 01:57	WG2409276
(S) 1,2-Dichloroethane-d4	113			70.0-130		11/27/2024 01:57	WG2409276

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2410000		50000	1	11/21/2024 11:32	WG2405423

Wet Chemistry by Method 1664B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH - Oil & Grease	U		1400	5000	1	11/26/2024 22:09	WG2408961

Sample Narrative:

L1801840-05 WG2408961: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	837000		5470	10000	10	11/21/2024 02:09	WG2405066
Fluoride	140	J	76.1	150	1	11/21/2024 02:22	WG2405066
Nitrate as (N)	175		88.4	100	1	11/21/2024 02:22	WG2405066
Sulfate	421000		6370	50000	10	11/21/2024 02:09	WG2405066

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1200		495	1000	1	11/27/2024 15:11	WG2408823

Metals (ICP) by Method 6010B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	U		4.40	10.0	1	11/29/2024 13:39	WG2407790
Barium	69.9		0.736	5.00	1	11/29/2024 13:39	WG2407790
Chromium	1.41	J	1.40	10.0	1	11/29/2024 13:39	WG2407790
Iron	91.1	J	18.0	100	1	11/29/2024 13:39	WG2407790
Lead	U		2.99	6.00	1	11/29/2024 13:39	WG2407790
Manganese	344		0.934	10.0	1	11/29/2024 13:39	WG2407790
Zinc	9.61	J	6.52	50.0	1	11/29/2024 13:39	WG2407790

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	11/27/2024 02:16	WG2409276
(S) Toluene-d8	99.7			80.0-120		11/27/2024 02:16	WG2409276
(S) 4-Bromofluorobenzene	106			77.0-126		11/27/2024 02:16	WG2409276
(S) 1,2-Dichloroethane-d4	108			70.0-130		11/27/2024 02:16	WG2409276

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Dissolved Solids	282000		10000	1	11/21/2024 11:32	WG2405423

Wet Chemistry by Method 1664B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH - Oil & Grease	U		1410	5050	1	11/26/2024 22:09	WG2408961

Sample Narrative:
L1801840-06 WG2408961: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	20800		547	1000	1	11/21/2024 02:34	WG2405066
Fluoride	U		76.1	150	1	11/21/2024 02:34	WG2405066
Nitrate as (N)	U		88.4	100	1	11/21/2024 02:34	WG2405066
Sulfate	108000		637	5000	1	11/21/2024 02:34	WG2405066

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1590		495	1000	1	11/27/2024 15:54	WG2408823

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	U		4.40	10.0	1	11/29/2024 13:41	WG2407790
Barium	29.8		0.736	5.00	1	11/29/2024 13:41	WG2407790
Chromium	U		1.40	10.0	1	11/29/2024 13:41	WG2407790
Iron	245		18.0	100	1	11/29/2024 13:41	WG2407790
Lead	U		2.99	6.00	1	11/29/2024 13:41	WG2407790
Manganese	92.2		0.934	10.0	1	11/29/2024 13:41	WG2407790
Zinc	U		6.52	50.0	1	11/29/2024 13:41	WG2407790

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	11/27/2024 02:35	WG2409276
(S) Toluene-d8	102			80.0-120		11/27/2024 02:35	WG2409276
(S) 4-Bromofluorobenzene	106			77.0-126		11/27/2024 02:35	WG2409276
(S) 1,2-Dichloroethane-d4	119			70.0-130		11/27/2024 02:35	WG2409276

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l		date / time	
Dissolved Solids	404000		10000	1	11/21/2024 11:32	WG2405423

Wet Chemistry by Method 1664B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
TPH - Oil & Grease	U		1410	5050	1	11/26/2024 22:09	WG2408961

Sample Narrative:

L1801840-07 WG2408961: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Chloride	130000		2740	5000	5	11/21/2024 03:00	WG2405066
Fluoride	U		380	750	5	11/21/2024 03:00	WG2405066
Nitrate as (N)	U		442	500	5	11/21/2024 03:00	WG2405066
Sulfate	93900		3180	25000	5	11/21/2024 03:00	WG2405066

Sample Narrative:

L1801840-07 WG2405066: Dilution due to matrix impact on instrumentation at lower dilution

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1720	P1	495	1000	1	11/27/2024 16:46	WG2408823

Metals (ICP) by Method 6010B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Arsenic	U		4.40	10.0	1	11/29/2024 13:43	WG2407790
Barium	99.5		0.736	5.00	1	11/29/2024 13:43	WG2407790
Chromium	U		1.40	10.0	1	11/29/2024 13:43	WG2407790
Iron	19.7	J	18.0	100	1	11/29/2024 13:43	WG2407790
Lead	U		2.99	6.00	1	11/29/2024 13:43	WG2407790
Manganese	662		0.934	10.0	1	11/29/2024 13:43	WG2407790
Zinc	13.0	J	6.52	50.0	1	11/29/2024 13:43	WG2407790

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

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	11/27/2024 02:54	WG2409276
(S) Toluene-d8	101			80.0-120		11/27/2024 02:54	WG2409276
(S) 4-Bromofluorobenzene	102			77.0-126		11/27/2024 02:54	WG2409276
(S) 1,2-Dichloroethane-d4	107			70.0-130		11/27/2024 02:54	WG2409276

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l		date / time	
Dissolved Solids	3680000		100000	1	11/21/2024 11:32	WG2405423

Wet Chemistry by Method 1664B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
TPH - Oil & Grease	U		1410	5050	1	11/26/2024 22:09	WG2408961

Sample Narrative:

L1801840-08 WG2408961: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Chloride	1050000		27400	50000	50	11/21/2024 03:06	WG2405207
Fluoride	U		380	750	5	11/20/2024 21:46	WG2405207
Nitrate as (N)	U		442	500	5	11/20/2024 21:46	WG2405207
Sulfate	1090000		31800	250000	50	11/21/2024 03:06	WG2405207

Sample Narrative:

L1801840-08 WG2405207: Dilution due to matrix impact on instrumentation at lower dilution

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2810		495	1000	1	11/27/2024 17:55	WG2408823

Metals (ICP) by Method 6010B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Arsenic	U		4.40	10.0	1	11/29/2024 13:44	WG2407790
Barium	23.2		0.736	5.00	1	11/29/2024 13:44	WG2407790
Chromium	2.49	J	1.40	10.0	1	11/29/2024 13:44	WG2407790
Iron	149		18.0	100	1	11/29/2024 13:44	WG2407790
Lead	U		2.99	6.00	1	11/29/2024 13:44	WG2407790
Manganese	193		0.934	10.0	1	11/29/2024 13:44	WG2407790
Zinc	13.1	J	6.52	50.0	1	11/29/2024 13:44	WG2407790

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

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	11/27/2024 03:12	WG2409276
(S) Toluene-d8	100			80.0-120		11/27/2024 03:12	WG2409276
(S) 4-Bromofluorobenzene	100			77.0-126		11/27/2024 03:12	WG2409276
(S) 1,2-Dichloroethane-d4	115			70.0-130		11/27/2024 03:12	WG2409276

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4150016-1 11/21/24 11:32

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

L1801686-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1801686-01 11/21/24 11:32 • (DUP) R4150016-4 11/21/24 11:32

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Dissolved Solids	201000	197000	1	2.01		10

Laboratory Control Sample (LCS)

(LCS) R4150016-2 11/21/24 11:32

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Dissolved Solids	8800000	8700000	98.9	85.0-115	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4151091-1 11/26/24 22:09

Analyte	MB Result ug/l	<u>MB Qualifier</u>	MB MDL ug/l	MB RDL ug/l
TPH - Oil & Grease	U		1400	5000

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

(LCS) R4151091-2 11/26/24 22:09 • (LCSD) R4151091-3 11/26/24 22:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
TPH - Oil & Grease	20000	15300	16000	76.5	80.0	64.0-132			4.47	34

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4150389-1 11/20/24 18:53

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

L1801744-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1801744-01 11/20/24 19:19 • (DUP) R4150389-3 11/20/24 19:32

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	65500	65900	1	0.602		15
Fluoride	186	188	1	1.23		15
Nitrate as (N)	238	236	1	0.886		15
Sulfate	26700	26900	1	0.556		15

L1801744-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1801744-02 11/20/24 20:10 • (DUP) R4150389-6 11/20/24 20:23

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	6060	5840	1	3.65		15
Fluoride	79.7	77.7	1	2.54	U	15
Nitrate as (N)	U	U	1	0.000		15
Sulfate	4590	4420	1	3.76	U	15

Laboratory Control Sample (LCS)

(LCS) R4150389-2 11/20/24 19:06

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Chloride	40000	38300	95.6	80.0-120	
Fluoride	8000	7480	93.4	80.0-120	
Nitrate as (N)	8000	8100	101	80.0-120	
Sulfate	40000	38500	96.2	80.0-120	

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

L1801744-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1801744-01 11/20/24 19:19 • (MS) R4150389-4 11/20/24 19:45 • (MSD) R4150389-5 11/20/24 19:57

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40000	65500	91500	91600	65.0	65.1	1	80.0-120	J6	J6	0.0512	15
Fluoride	8000	186	7850	8260	95.8	101	1	80.0-120			5.05	15
Nitrate as (N)	8000	238	8350	8370	101	102	1	80.0-120			0.218	15
Sulfate	40000	26700	61100	61200	85.9	86.3	1	80.0-120			0.256	15

L1801744-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1801744-02 11/20/24 20:10 • (MS) R4150389-7 11/20/24 20:36

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40000	6060	43200	92.7	1	80.0-120	
Fluoride	8000	79.7	7580	93.8	1	80.0-120	
Nitrate as (N)	8000	U	8070	101	1	80.0-120	
Sulfate	40000	4590	42500	94.7	1	80.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4150365-1 11/20/24 21:21

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

L1801890-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1801890-06 11/20/24 23:03 • (DUP) R4150365-3 11/20/24 23:16

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

L1801902-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1801902-01 11/21/24 01:23 • (DUP) R4150365-6 11/21/24 01:36

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Fluoride	217	271	1	22.2	P1	15
Nitrate as (N)	1080	1080	1	0.305		15
Sulfate	49900	49700	1	0.472		15

Laboratory Control Sample (LCS)

(LCS) R4150365-2 11/20/24 21:34

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Chloride	40000	39200	97.9	80.0-120	
Fluoride	8000	8090	101	80.0-120	
Nitrate as (N)	8000	7620	95.2	80.0-120	
Sulfate	40000	39800	99.5	80.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1801890-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1801890-06 11/20/24 23:03 • (MS) R4150365-4 11/20/24 23:29 • (MSD) R4150365-5 11/20/24 23:41

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40000	U	37700	38100	94.2	95.2	1	80.0-120			1.09	15
Fluoride	8000	U	7750	7760	96.8	97.0	1	80.0-120			0.192	15
Nitrate as (N)	8000	U	7280	7600	91.0	94.9	1	80.0-120			4.24	15
Sulfate	40000	U	38300	38500	95.7	96.4	1	80.0-120			0.675	15

L1801902-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1801902-01 11/21/24 01:23 • (MS) R4150365-7 11/21/24 01:49

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Fluoride	8000	217	8250	100	1	80.0-120	
Nitrate as (N)	8000	1080	8830	96.9	1	80.0-120	
Sulfate	40000	49900	85200	88.2	1	80.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4151703-2 11/27/24 10:38

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

L1801793-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1801793-05 11/27/24 13:09 • (DUP) R4151703-5 11/27/24 13:23

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	832	1850	1	75.8	P1	20

L1801840-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1801840-07 11/27/24 16:46 • (DUP) R4151703-8 11/27/24 17:32

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	1720	1120	1	42.0	P1	20

Laboratory Control Sample (LCS)

(LCS) R4151703-1 11/27/24 10:26

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
TOC (Total Organic Carbon)	25000	24300	97.1	85.0-115	

L1801793-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1801793-02 11/27/24 11:37 • (MS) R4151703-3 11/27/24 11:55 • (MSD) R4151703-4 11/27/24 12:13

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	25000	1930	26600	26100	98.6	96.8	1	85.0-115			1.71	20

L1801840-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1801840-06 11/27/24 15:54 • (MS) R4151703-6 11/27/24 16:12 • (MSD) R4151703-7 11/27/24 16:30

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	25000	1590	26000	26200	97.7	98.5	1	85.0-115			0.804	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4151975-6 11/29/24 15:08

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Arsenic	U		4.40	10.0
Barium	U		0.736	5.00
Chromium	U		1.40	10.0
Iron	U		18.0	100
Lead	U		2.99	6.00
Manganese	U		0.934	10.0
Zinc	U		6.52	50.0

Laboratory Control Sample (LCS)

(LCS) R4151975-2 11/29/24 13:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	1000	993	99.3	80.0-120	
Barium	1000	1010	101	80.0-120	
Chromium	1000	982	98.2	80.0-120	
Iron	10000	9780	97.8	80.0-120	
Lead	1000	950	95.0	80.0-120	
Manganese	1000	1020	102	80.0-120	
Zinc	1000	1010	101	80.0-120	

L1801840-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1801840-01 11/29/24 13:13 • (MS) R4151975-4 11/29/24 13:16 • (MSD) R4151975-5 11/29/24 13:18

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	1000	U	1040	1020	104	102	1	75.0-125			2.30	20
Barium	1000	59.8	1060	1050	99.7	99.2	1	75.0-125			0.546	20
Chromium	1000	2.15	992	982	99.0	98.0	1	75.0-125			0.994	20
Iron	10000	54.0	9750	9750	97.0	96.9	1	75.0-125			0.0577	20
Lead	1000	U	947	948	94.7	94.8	1	75.0-125			0.148	20
Manganese	1000	3.31	1020	1010	101	101	1	75.0-125			0.776	20
Zinc	1000	U	1010	1000	101	100	1	75.0-125			1.09	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4153082-3 11/26/24 19:38

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
(S) Toluene-d8	102			80.0-120
(S) 4-Bromofluorobenzene	107			77.0-126
(S) 1,2-Dichloroethane-d4	123			70.0-130

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

(LCS) R4153082-1 11/26/24 18:41 • (LCSD) R4153082-2 11/26/24 19:00

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	4.29	4.58	85.8	91.6	70.0-123			6.54	20
(S) Toluene-d8				99.0	100	80.0-120				
(S) 4-Bromofluorobenzene				108	107	77.0-126				
(S) 1,2-Dichloroethane-d4				129	126	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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.

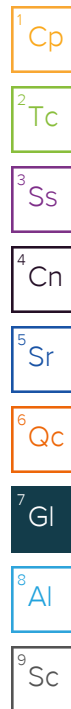
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location.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

J	The identification of the analyte is acceptable; the reported value is an estimate.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.



ACCREDITATIONS & LOCATIONS

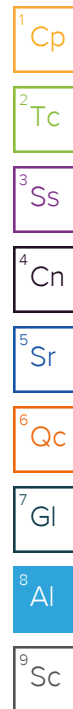
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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



Company Name/Address: Terracon - Little Rock, AR 25809 I-30 Bryant, AR 72022			Billing Information: Accounts Payable 25809 I-30 Bryant, AR 72022			Analysis / Container / Preservative Pres Chk			Chain of Custody Page <u>1</u> of <u>1</u>  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		
Report to: David Jaros			Email To: David.Jaros@terracon.com;Paul.Gramling@terracon.com			42 AS, Ba, Cr, Fe, Mn, Pb, Zn 250mlHDPE-HNO3 Cl, F, NO3, SO4 125mlHDPE-NoPres TDS 250mlHDPE-NoPres TOC 250mlHDPE-HCl TPHOGHEX 1L-Clr-WT-HCl V82608TEX 40mlAmb-HCl V82608TEX- Trip Blk 40mlAmb-HCl-Blk					
Project Description: Georgia Pacific-Crossett Facility		City/State Collected:		Please Circle: PT MT CT ET							
Phone: 501-847-9292		Client Project #		Lab Project # GENENLAR-GAPACIFIC							
Collected by (print): <i>Wes Williams</i>		Site/Facility ID #		P.O. #							
Collected by (signature): <i>Wes Williams</i>		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #							
Immediately Packed on Ice N ☐ Y ☒		Date Results Needed		No. of Cntrs							
Sample ID		Comp/Grab		Matrix *		Depth		Date		Time	
MW-1		GW		11-19-24		1322		8		01	
MW-2N		GW		11		1435		8		02	
MW-3		GW		11		1151		8		03	
MW-4		GW		11		1241		8		04	
MW-5 <i>mw-9</i>		GW		11-19-24		1427		8		05	
MW-6		GW		11-19-24		1321		8		06	
MW-7		GW		11-19-24		1150		8		07	
DUPE		GW		11-19-24		1155		8		08	
FIELD BLANK		GW		11-19-24		1155		8		08	
LEACHATE		GW		11-19-24		1155		8		08	
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other _____		Remarks: Samples returned via: ☐ UPS ☐ FedEx ☐ Courier Tracking #									
Relinquished by : (Signature) <i>Wes Williams</i>		Date: 11-19-24		Time: 1600		Received by: (Signature)			Trip Blank Received: Yes / No HCL / MeOH TBR		
Relinquished by : (Signature)		Date:		Time:		Received by: (Signature)			Temp: °C Bottles Received: 64		
Relinquished by : (Signature)		Date:		Time:		Received for lab by: (Signature)			Date: 11/19/24 Time: 900		
Hold:		Condition: NCF / OK									

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

L1801840

[illegible]

Name

Date

Time estimate: oh

Time spent: oh

Members



Jeremy Watkins (responsible)



Brittnie Boyd

- ☐ Login Clarification needed
- ☐ Chain of custody is incomplete
- ☐ Please specify Metals requested
- ☐ Please specify TCLP requested
- ☐ Received additional samples not listed on COC
- ☐ Sample IDs on containers do not match IDs on COC
- ☒ Client did not "X" analysis
- ☐ Chain of Custody is missing
- ☐ If no COC: Received by: _____
- ☐ If no COC: Date/Time: _____
- ☐ If no COC: Temp./Cont.Rec./pH: _____
- ☐ If no COC: Carrier: _____
- ☐ If no COC: Tracking #: _____
- ☐ Client informed by call
- ☒ Client informed by Email
- ☐ Client informed by Voicemail
- ☒ Date/Time: _____ 11/22 1010 _____
- ☒ PM initials: _____ BB _____
- ☒ Client Contact: _____ David Jaros _____

Comments

Jeremy Watkins

20 November 2024 1:10 PM

Analysis not marked on COC. Logged per COC due to Short holds.

Brittnie Boyd

22 November 2024 10:10 AM

Please proceed to log per COC

June 25, 2025

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Terracon - Little Rock, AR

Sample Delivery Group: L1859739
Samples Received: 05/16/2025
Project Number:
Description: Georgia Pacific-Crossett Facility

Report To: David Jaros
25809 I-30
Bryant, AR 72022

Entire Report Reviewed By:



Jason Romer
Project Manager

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

Pace Analytical National

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

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

SAMPLE SUMMARY

MW-1 L1859739-01

				Collected by FO	Collected date/time 05/14/25 16:45	Received date/time 05/16/25 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2518399	1	05/20/25 10:12	05/21/25 10:06	MDD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516876	5	05/16/25 16:03	05/16/25 16:03	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516876	50	05/16/25 22:08	05/16/25 22:08	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2518207	1	05/20/25 01:38	05/20/25 01:38	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2519267	1	05/24/25 19:50	05/25/25 10:02	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2517518	1	05/18/25 01:14	05/18/25 01:14	JHH	Mt. Juliet, TN
Subcontracted Analyses	WG2518160	1	06/25/25 00:00	06/25/25 00:00	-	Sheridan, WY 82801

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

MW-2N L1859739-02

				Collected by FO	Collected date/time 05/15/25 10:32	Received date/time 05/16/25 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2520212	1	05/21/25 13:42	05/22/25 14:40	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516781	5	05/17/25 06:00	05/17/25 06:00	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516781	50	05/17/25 06:40	05/17/25 06:40	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2518207	1	05/20/25 02:02	05/20/25 02:02	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2519267	1	05/24/25 19:50	05/25/25 10:04	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2517518	1	05/18/25 01:36	05/18/25 01:36	JHH	Mt. Juliet, TN
Subcontracted Analyses	WG2518160	1	06/25/25 00:00	06/25/25 00:00	-	Sheridan, WY 82801

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

MW-3 L1859739-03

				Collected by FO	Collected date/time 05/15/25 14:38	Received date/time 05/16/25 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2519183	1	05/21/25 23:11	05/22/25 09:23	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516781	5	05/17/25 06:54	05/17/25 06:54	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516781	50	05/17/25 07:07	05/17/25 07:07	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2518207	1	05/20/25 02:22	05/20/25 02:22	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2519267	1	05/24/25 19:50	05/25/25 10:05	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2517518	1	05/18/25 01:59	05/18/25 01:59	JHH	Mt. Juliet, TN
Subcontracted Analyses	WG2518160	1	06/25/25 00:00	06/25/25 00:00	-	Sheridan, WY 82801

MW-4 L1859739-04

				Collected by FO	Collected date/time 05/14/25 15:07	Received date/time 05/16/25 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2518399	1	05/20/25 10:12	05/21/25 10:06	MDD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516876	5	05/16/25 19:27	05/16/25 19:27	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516876	50	05/16/25 22:21	05/16/25 22:21	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2518207	1	05/20/25 02:41	05/20/25 02:41	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2519267	1	05/24/25 19:50	05/25/25 10:07	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2517518	1	05/18/25 02:22	05/18/25 02:22	JHH	Mt. Juliet, TN
Subcontracted Analyses	WG2518160	1	06/25/25 00:00	06/25/25 00:00	-	Sheridan, WY 82801

SAMPLE SUMMARY

MW-5 L1859739-05

				Collected by FO	Collected date/time 05/15/25 15:45	Received date/time 05/16/25 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2520212	1	05/21/25 13:42	05/22/25 14:40	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516781	1	05/17/25 07:21	05/17/25 07:21	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516781	10	05/17/25 08:14	05/17/25 08:14	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2521000	1	05/22/25 21:20	05/22/25 21:20	AF	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2519267	1	05/24/25 19:50	05/25/25 10:09	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2517518	1	05/18/25 02:45	05/18/25 02:45	JHH	Mt. Juliet, TN
Subcontracted Analyses	WG2518160	1	06/25/25 00:00	06/25/25 00:00	-	Sheridan, WY 82801

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

MW-6 L1859739-06

				Collected by FO	Collected date/time 05/15/25 12:20	Received date/time 05/16/25 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2523900	1	05/26/25 13:04	05/26/25 15:38	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516781	1	05/17/25 08:41	05/17/25 08:41	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2518207	1	05/20/25 03:17	05/20/25 03:17	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2519267	1	05/24/25 19:50	05/25/25 10:11	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2517518	1	05/18/25 03:07	05/18/25 03:07	JHH	Mt. Juliet, TN
Subcontracted Analyses	WG2518160	1	06/25/25 00:00	06/25/25 00:00	-	Sheridan, WY 82801

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

MW-7 L1859739-07

				Collected by FO	Collected date/time 05/15/25 13:15	Received date/time 05/16/25 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2523900	1	05/26/25 13:04	05/26/25 15:38	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516781	1	05/17/25 09:21	05/17/25 09:21	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2518207	1	05/20/25 03:34	05/20/25 03:34	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2519267	1	05/24/25 19:50	05/25/25 10:12	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2517518	1	05/18/25 03:30	05/18/25 03:30	JHH	Mt. Juliet, TN
Subcontracted Analyses	WG2518160	1	06/25/25 00:00	06/25/25 00:00	-	Sheridan, WY 82801

DUPE L1859739-08

				Collected by FO	Collected date/time 05/14/25 18:45	Received date/time 05/16/25 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2518399	1	05/20/25 10:12	05/21/25 10:06	MDD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516876	1	05/16/25 16:57	05/16/25 16:57	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516876	5	05/16/25 23:15	05/16/25 23:15	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2518207	1	05/20/25 03:51	05/20/25 03:51	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2519267	1	05/24/25 19:50	05/25/25 10:14	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2517518	1	05/18/25 03:53	05/18/25 03:53	JHH	Mt. Juliet, TN
Subcontracted Analyses	WG2518160	1	06/25/25 00:00	06/25/25 00:00	-	Sheridan, WY 82801

FIELD BLANK L1859739-09

				Collected by FO	Collected date/time 05/14/25 19:05	Received date/time 05/16/25 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2519002	1	05/20/25 15:02	05/21/25 07:59	MDD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516876	1	05/16/25 17:10	05/16/25 17:10	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2518207	1	05/20/25 04:48	05/20/25 04:48	ASH	Mt. Juliet, TN

SAMPLE SUMMARY

FIELD BLANK L1859739-09

				Collected by FO	Collected date/time 05/14/25 19:05	Received date/time 05/16/25 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2519267	1	05/24/25 19:50	05/25/25 10:19	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2517564	1	05/21/25 09:07	05/21/25 09:07	DYW	Mt. Juliet, TN
Subcontracted Analyses	WG2518160	1	06/25/25 00:00	06/25/25 00:00	-	Sheridan, WY 82801

MW-8 L1859739-10

				Collected by FO	Collected date/time 05/14/25 18:17	Received date/time 05/16/25 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2519002	1	05/20/25 15:02	05/21/25 07:59	MDD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516876	1	05/16/25 16:44	05/16/25 16:44	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516876	5	05/17/25 00:08	05/17/25 00:08	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2518207	1	05/20/25 05:52	05/20/25 05:52	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2519267	1	05/24/25 19:50	05/25/25 10:21	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2517564	1	05/21/25 10:35	05/21/25 10:35	DYW	Mt. Juliet, TN
Subcontracted Analyses	WG2518160	1	06/25/25 00:00	06/25/25 00:00	-	Sheridan, WY 82801

MW-9 L1859739-11

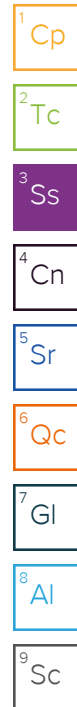
				Collected by FO	Collected date/time 05/14/25 10:00	Received date/time 05/16/25 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2519002	1	05/20/25 15:02	05/21/25 07:59	MDD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516876	1	05/16/25 19:40	05/16/25 19:40	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2516876	10	05/17/25 00:22	05/17/25 00:22	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2518207	1	05/20/25 06:26	05/20/25 06:26	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2519267	1	05/24/25 19:50	05/25/25 10:23	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2517564	1	05/21/25 10:57	05/21/25 10:57	DYW	Mt. Juliet, TN
Subcontracted Analyses	WG2518160	1	06/25/25 00:00	06/25/25 00:00	-	Sheridan, WY 82801

EQUIPMENT BLANK L1859739-12

				Collected by FO	Collected date/time 05/14/25 19:15	Received date/time 05/16/25 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2520036	1	05/21/25 17:23	05/21/25 17:23	ADM	Mt. Juliet, TN

TRIP BLANK L1859739-13

				Collected by FO	Collected date/time 05/14/25 00:00	Received date/time 05/16/25 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2520036	1	05/21/25 17:44	05/21/25 17:44	ADM	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.



Jason Romer
Project Manager

Project Narrative

L1859739 -01, -02, -03, -04, -05, -06, -07, -08, -09, -10, -11 contains subout data that is included after the chain of custody.



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2370000		50000	1	05/21/2025 10:06	WG2518399

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	890000		27400	50000	50	05/16/2025 22:08	WG2516876
Fluoride	U		380	750	5	05/16/2025 16:03	WG2516876
Nitrate as (N)	U		442	500	5	05/16/2025 16:03	WG2516876
Sulfate	338000		3180	25000	5	05/16/2025 16:03	WG2516876

Sample Narrative:

L1859739-01 WG2516876: Dilution due to matrix impact on instrumentation at lower dilution

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1440		495	1000	1	05/20/2025 01:38	WG2518207

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	U		7.83	10.0	1	05/25/2025 10:02	WG2519267
Barium	58.1		0.773	5.00	1	05/25/2025 10:02	WG2519267
Chromium	U		1.51	10.0	1	05/25/2025 10:02	WG2519267
Iron	U		20.5	100	1	05/25/2025 10:02	WG2519267
Lead	U		2.43	6.00	1	05/25/2025 10:02	WG2519267
Manganese	1.77	J	1.01	10.0	1	05/25/2025 10:02	WG2519267
Zinc	U		4.67	50.0	1	05/25/2025 10:02	WG2519267

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	05/18/2025 01:14	WG2517518
(S) Toluene-d8	92.9			80.0-120		05/18/2025 01:14	WG2517518
(S) 4-Bromofluorobenzene	117			77.0-126		05/18/2025 01:14	WG2517518
(S) 1,2-Dichloroethane-d4	106			70.0-130		05/18/2025 01:14	WG2517518

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4580000		100000	1	05/22/2025 14:40	WG2520212

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	1480000		27400	50000	50	05/17/2025 06:40	WG2516781
Fluoride	480	J	380	750	5	05/17/2025 06:00	WG2516781
Nitrate as (N)	U		442	500	5	05/17/2025 06:00	WG2516781
Sulfate	1260000		31800	250000	50	05/17/2025 06:40	WG2516781

Sample Narrative:

L1859739-02 WG2516781: Dilution due to matrix impact on instrumentation at lower dilution

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	16500		495	1000	1	05/20/2025 02:02	WG2518207

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	U		7.83	10.0	1	05/25/2025 10:04	WG2519267
Barium	20.0		0.773	5.00	1	05/25/2025 10:04	WG2519267
Chromium	U		1.51	10.0	1	05/25/2025 10:04	WG2519267
Iron	59.6	J	20.5	100	1	05/25/2025 10:04	WG2519267
Lead	U		2.43	6.00	1	05/25/2025 10:04	WG2519267
Manganese	127		1.01	10.0	1	05/25/2025 10:04	WG2519267
Zinc	5.43	J	4.67	50.0	1	05/25/2025 10:04	WG2519267

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	05/18/2025 01:36	WG2517518
(S) Toluene-d8	94.3			80.0-120		05/18/2025 01:36	WG2517518
(S) 4-Bromofluorobenzene	112			77.0-126		05/18/2025 01:36	WG2517518
(S) 1,2-Dichloroethane-d4	108			70.0-130		05/18/2025 01:36	WG2517518

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3480000		100000	1	05/22/2025 09:23	WG2519183

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	986000		27400	50000	50	05/17/2025 07:07	WG2516781
Fluoride	425	J	380	750	5	05/17/2025 06:54	WG2516781
Nitrate as (N)	U		442	500	5	05/17/2025 06:54	WG2516781
Sulfate	1070000		31800	250000	50	05/17/2025 07:07	WG2516781

Sample Narrative:

L1859739-03 WG2516781: Dilution due to matrix impact on instrumentation at lower dilution

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	2540		495	1000	1	05/20/2025 02:22	WG2518207

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	U		7.83	10.0	1	05/25/2025 10:05	WG2519267
Barium	20.4		0.773	5.00	1	05/25/2025 10:05	WG2519267
Chromium	U		1.51	10.0	1	05/25/2025 10:05	WG2519267
Iron	69.6	J	20.5	100	1	05/25/2025 10:05	WG2519267
Lead	U		2.43	6.00	1	05/25/2025 10:05	WG2519267
Manganese	143		1.01	10.0	1	05/25/2025 10:05	WG2519267
Zinc	U		4.67	50.0	1	05/25/2025 10:05	WG2519267

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	05/18/2025 01:59	WG2517518
(S) Toluene-d8	95.5			80.0-120		05/18/2025 01:59	WG2517518
(S) 4-Bromofluorobenzene	107			77.0-126		05/18/2025 01:59	WG2517518
(S) 1,2-Dichloroethane-d4	107			70.0-130		05/18/2025 01:59	WG2517518

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4490000		100000	1	05/21/2025 10:06	WG2518399

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	1200000		27400	50000	50	05/16/2025 22:21	WG2516876
Fluoride	495	J	380	750	5	05/16/2025 19:27	WG2516876
Nitrate as (N)	U	T8	442	500	5	05/16/2025 19:27	WG2516876
Sulfate	1480000		31800	250000	50	05/16/2025 22:21	WG2516876

Sample Narrative:

L1859739-04 WG2516876: Dilution due to matrix impact on instrumentation at lower dilution

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	808	J	495	1000	1	05/20/2025 02:41	WG2518207

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	U		7.83	10.0	1	05/25/2025 10:07	WG2519267
Barium	10.9		0.773	5.00	1	05/25/2025 10:07	WG2519267
Chromium	U		1.51	10.0	1	05/25/2025 10:07	WG2519267
Iron	41.1	J	20.5	100	1	05/25/2025 10:07	WG2519267
Lead	U		2.43	6.00	1	05/25/2025 10:07	WG2519267
Manganese	2.75	J	1.01	10.0	1	05/25/2025 10:07	WG2519267
Zinc	10.4	J	4.67	50.0	1	05/25/2025 10:07	WG2519267

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	05/18/2025 02:22	WG2517518
(S) Toluene-d8	94.8			80.0-120		05/18/2025 02:22	WG2517518
(S) 4-Bromofluorobenzene	108			77.0-126		05/18/2025 02:22	WG2517518
(S) 1,2-Dichloroethane-d4	108			70.0-130		05/18/2025 02:22	WG2517518

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2080000		50000	1	05/22/2025 14:40	WG2520212

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	589000		5470	10000	10	05/17/2025 08:14	WG2516781
Fluoride	194		76.1	150	1	05/17/2025 07:21	WG2516781
Nitrate as (N)	U		88.4	100	1	05/17/2025 07:21	WG2516781
Sulfate	629000		6370	50000	10	05/17/2025 08:14	WG2516781

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	3680		495	1000	1	05/22/2025 21:20	WG2521000

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	U		7.83	10.0	1	05/25/2025 10:09	WG2519267
Barium	20.3		0.773	5.00	1	05/25/2025 10:09	WG2519267
Chromium	U		1.51	10.0	1	05/25/2025 10:09	WG2519267
Iron	33.0	J	20.5	100	1	05/25/2025 10:09	WG2519267
Lead	U		2.43	6.00	1	05/25/2025 10:09	WG2519267
Manganese	74.4		1.01	10.0	1	05/25/2025 10:09	WG2519267
Zinc	13.4	J	4.67	50.0	1	05/25/2025 10:09	WG2519267

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	05/18/2025 02:45	WG2517518
(S) Toluene-d8	94.9			80.0-120		05/18/2025 02:45	WG2517518
(S) 4-Bromofluorobenzene	106			77.0-126		05/18/2025 02:45	WG2517518
(S) 1,2-Dichloroethane-d4	110			70.0-130		05/18/2025 02:45	WG2517518

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	182000	Q	10000	1	05/26/2025 15:38	WG2523900

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	17500		547	1000	1	05/17/2025 08:41	WG2516781
Fluoride	88.2	J	76.1	150	1	05/17/2025 08:41	WG2516781
Nitrate as (N)	U		88.4	100	1	05/17/2025 08:41	WG2516781
Sulfate	66000	J6	637	5000	1	05/17/2025 08:41	WG2516781

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1570		495	1000	1	05/20/2025 03:17	WG2518207

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	U		7.83	10.0	1	05/25/2025 10:11	WG2519267
Barium	21.9		0.773	5.00	1	05/25/2025 10:11	WG2519267
Chromium	U		1.51	10.0	1	05/25/2025 10:11	WG2519267
Iron	97.7	J	20.5	100	1	05/25/2025 10:11	WG2519267
Lead	U		2.43	6.00	1	05/25/2025 10:11	WG2519267
Manganese	63.3		1.01	10.0	1	05/25/2025 10:11	WG2519267
Zinc	6.58	J	4.67	50.0	1	05/25/2025 10:11	WG2519267

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	05/18/2025 03:07	WG2517518
(S) Toluene-d8	93.8			80.0-120		05/18/2025 03:07	WG2517518
(S) 4-Bromofluorobenzene	104			77.0-126		05/18/2025 03:07	WG2517518
(S) 1,2-Dichloroethane-d4	106			70.0-130		05/18/2025 03:07	WG2517518

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	244000	Q	10000	1	05/26/2025 15:38	WG2523900

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	58600		547	1000	1	05/17/2025 09:21	WG2516781
Fluoride	98.9	J	76.1	150	1	05/17/2025 09:21	WG2516781
Nitrate as (N)	U		88.4	100	1	05/17/2025 09:21	WG2516781
Sulfate	57500		637	5000	1	05/17/2025 09:21	WG2516781

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1220		495	1000	1	05/20/2025 03:34	WG2518207

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	U		7.83	10.0	1	05/25/2025 10:12	WG2519267
Barium	30.5		0.773	5.00	1	05/25/2025 10:12	WG2519267
Chromium	U		1.51	10.0	1	05/25/2025 10:12	WG2519267
Iron	22.7	J	20.5	100	1	05/25/2025 10:12	WG2519267
Lead	U		2.43	6.00	1	05/25/2025 10:12	WG2519267
Manganese	137		1.01	10.0	1	05/25/2025 10:12	WG2519267
Zinc	U		4.67	50.0	1	05/25/2025 10:12	WG2519267

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	05/18/2025 03:30	WG2517518
(S) Toluene-d8	95.1			80.0-120		05/18/2025 03:30	WG2517518
(S) 4-Bromofluorobenzene	106			77.0-126		05/18/2025 03:30	WG2517518
(S) 1,2-Dichloroethane-d4	111			70.0-130		05/18/2025 03:30	WG2517518

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	856000		20000	1	05/21/2025 10:06	WG2518399

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	271000		2740	5000	5	05/16/2025 23:15	WG2516876
Fluoride	247		76.1	150	1	05/16/2025 16:57	WG2516876
Nitrate as (N)	U		88.4	100	1	05/16/2025 16:57	WG2516876
Sulfate	91800	J6	637	5000	1	05/16/2025 16:57	WG2516876

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	884	J	495	1000	1	05/20/2025 03:51	WG2518207

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	U		7.83	10.0	1	05/25/2025 10:14	WG2519267
Barium	72.8		0.773	5.00	1	05/25/2025 10:14	WG2519267
Chromium	U		1.51	10.0	1	05/25/2025 10:14	WG2519267
Iron	27.1	J	20.5	100	1	05/25/2025 10:14	WG2519267
Lead	U		2.43	6.00	1	05/25/2025 10:14	WG2519267
Manganese	275		1.01	10.0	1	05/25/2025 10:14	WG2519267
Zinc	9.25	J	4.67	50.0	1	05/25/2025 10:14	WG2519267

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	05/18/2025 03:53	WG2517518
(S) Toluene-d8	95.0			80.0-120		05/18/2025 03:53	WG2517518
(S) 4-Bromofluorobenzene	107			77.0-126		05/18/2025 03:53	WG2517518
(S) 1,2-Dichloroethane-d4	110			70.0-130		05/18/2025 03:53	WG2517518

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	ND		10000	1	05/21/2025 07:59	WG2519002

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	U		547	1000	1	05/16/2025 17:10	WG2516876
Fluoride	U		76.1	150	1	05/16/2025 17:10	WG2516876
Nitrate as (N)	U		88.4	100	1	05/16/2025 17:10	WG2516876
Sulfate	U		637	5000	1	05/16/2025 17:10	WG2516876

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	U		495	1000	1	05/20/2025 04:48	WG2518207

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	U		7.83	10.0	1	05/25/2025 10:19	WG2519267
Barium	U		0.773	5.00	1	05/25/2025 10:19	WG2519267
Chromium	U		1.51	10.0	1	05/25/2025 10:19	WG2519267
Iron	U		20.5	100	1	05/25/2025 10:19	WG2519267
Lead	U		2.43	6.00	1	05/25/2025 10:19	WG2519267
Manganese	U		1.01	10.0	1	05/25/2025 10:19	WG2519267
Zinc	U		4.67	50.0	1	05/25/2025 10:19	WG2519267

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	05/21/2025 09:07	WG2517564
(S) Toluene-d8	106			80.0-120		05/21/2025 09:07	WG2517564
(S) 4-Bromofluorobenzene	95.9			77.0-126		05/21/2025 09:07	WG2517564
(S) 1,2-Dichloroethane-d4	124			70.0-130		05/21/2025 09:07	WG2517564

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	842000		20000	1	05/21/2025 07:59	WG2519002

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	273000		2740	5000	5	05/17/2025 00:08	WG2516876
Fluoride	286		76.1	150	1	05/16/2025 16:44	WG2516876
Nitrate as (N)	U		88.4	100	1	05/16/2025 16:44	WG2516876
Sulfate	92400		637	5000	1	05/16/2025 16:44	WG2516876

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	793	J	495	1000	1	05/20/2025 05:52	WG2518207

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	U		7.83	10.0	1	05/25/2025 10:21	WG2519267
Barium	75.0		0.773	5.00	1	05/25/2025 10:21	WG2519267
Chromium	U		1.51	10.0	1	05/25/2025 10:21	WG2519267
Iron	42.3	J	20.5	100	1	05/25/2025 10:21	WG2519267
Lead	U		2.43	6.00	1	05/25/2025 10:21	WG2519267
Manganese	298		1.01	10.0	1	05/25/2025 10:21	WG2519267
Zinc	6.36	J	4.67	50.0	1	05/25/2025 10:21	WG2519267

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	05/21/2025 10:35	WG2517564
(S) Toluene-d8	104			80.0-120		05/21/2025 10:35	WG2517564
(S) 4-Bromofluorobenzene	100			77.0-126		05/21/2025 10:35	WG2517564
(S) 1,2-Dichloroethane-d4	123			70.0-130		05/21/2025 10:35	WG2517564

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2420000		50000	1	05/21/2025 07:59	WG2519002

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	856000		5470	10000	10	05/17/2025 00:22	WG2516876
Fluoride	223		76.1	150	1	05/16/2025 19:40	WG2516876
Nitrate as (N)	U	T8	88.4	100	1	05/16/2025 19:40	WG2516876
Sulfate	450000		6370	50000	10	05/17/2025 00:22	WG2516876

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	876	J	495	1000	1	05/20/2025 06:26	WG2518207

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	U		7.83	10.0	1	05/25/2025 10:23	WG2519267
Barium	62.9		0.773	5.00	1	05/25/2025 10:23	WG2519267
Chromium	U		1.51	10.0	1	05/25/2025 10:23	WG2519267
Iron	248		20.5	100	1	05/25/2025 10:23	WG2519267
Lead	U		2.43	6.00	1	05/25/2025 10:23	WG2519267
Manganese	379		1.01	10.0	1	05/25/2025 10:23	WG2519267
Zinc	10.2	J	4.67	50.0	1	05/25/2025 10:23	WG2519267

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	05/21/2025 10:57	WG2517564
(S) Toluene-d8	107			80.0-120		05/21/2025 10:57	WG2517564
(S) 4-Bromofluorobenzene	97.8			77.0-126		05/21/2025 10:57	WG2517564
(S) 1,2-Dichloroethane-d4	121			70.0-130		05/21/2025 10:57	WG2517564

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	05/21/2025 17:23	WG2520036
(S) Toluene-d8	97.4			80.0-120		05/21/2025 17:23	WG2520036
(S) 4-Bromofluorobenzene	98.6			77.0-126		05/21/2025 17:23	WG2520036
(S) 1,2-Dichloroethane-d4	97.6			70.0-130		05/21/2025 17:23	WG2520036

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	05/21/2025 17:44	WG2520036
(S) Toluene-d8	97.4			80.0-120		05/21/2025 17:44	WG2520036
(S) 4-Bromofluorobenzene	96.6			77.0-126		05/21/2025 17:44	WG2520036
(S) 1,2-Dichloroethane-d4	98.8			70.0-130		05/21/2025 17:44	WG2520036

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4219812-1 05/21/25 10:06

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

L1860265-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1860265-04 05/21/25 10:06 • (DUP) R4219812-3 05/21/25 10:06

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Dissolved Solids	291000	289000	1	0.690		10

L1860296-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1860296-05 05/21/25 10:06 • (DUP) R4219812-4 05/21/25 10:06

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Dissolved Solids	695000	697000	1	0.382		10

Laboratory Control Sample (LCS)

(LCS) R4219812-2 05/21/25 10:06

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Dissolved Solids	8800000	8690000	98.8	90.0-110	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4219819-1 05/21/25 07:59

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

L1859636-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1859636-01 05/21/25 07:59 • (DUP) R4219819-3 05/21/25 07:59

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Dissolved Solids	721000	721000	1	0.000		10

L1859871-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1859871-07 05/21/25 07:59 • (DUP) R4219819-4 05/21/25 07:59

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

Laboratory Control Sample (LCS)

(LCS) R4219819-2 05/21/25 07:59

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4220243-1 05/22/25 09:23

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

L1859595-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1859595-01 05/22/25 09:23 • (DUP) R4220243-3 05/22/25 09:23

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Dissolved Solids	784000	732000	1	6.86		10

L1860187-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1860187-08 05/22/25 09:23 • (DUP) R4220243-4 05/22/25 09:23

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

Laboratory Control Sample (LCS)

(LCS) R4220243-2 05/22/25 09:23

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Dissolved Solids	8800000	8660000	98.4	90.0-110	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

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

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

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

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

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

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

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

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

Laboratory Control Sample (LCS)

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

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

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

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

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

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

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

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

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

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

Laboratory Control Sample (LCS)

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

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4216190-1 05/16/25 21:58

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

L1845367-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1845367-03 05/16/25 22:24 • (DUP) R4216190-3 05/16/25 22:37

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Nitrate as (N)	3310	3310	5	0.178		15
Sulfate	22400	22000	5	1.53	U	15

Sample Narrative:

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

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

(OS) L1859739-05 05/17/25 07:21 • (DUP) R4216190-4 05/17/25 07:34

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	603000	610000	1	1.21	E	15
Fluoride	194	188	1	3.30		15
Nitrate as (N)	U	U	1	0.000		15
Sulfate	641000	647000	1	0.917	E	15

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

(OS) L1859739-05 05/17/25 08:14 • (DUP) R4216190-7 05/17/25 08:28

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	589000	588000	10	0.102		15
Sulfate	629000	626000	10	0.385		15

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R4216190-2 05/16/25 22:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Chloride	40000	38700	96.6	80.0-120	
Fluoride	8000	8320	104	80.0-120	
Nitrate as (N)	8000	8220	103	80.0-120	
Sulfate	40000	39800	99.6	80.0-120	

L1859739-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1859739-05 05/17/25 07:21 • (MS) R4216190-5 05/17/25 07:48 • (MSD) R4216190-6 05/17/25 08:01

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Fluoride	8000	194	8010	8050	97.7	98.2	1	80.0-120			0.453	15
Nitrate as (N)	8000	U	7820	7810	97.7	97.6	1	80.0-120			0.0576	15

L1859739-06 Original Sample (OS) • Matrix Spike (MS)

(OS) L1859739-06 05/17/25 08:41 • (MS) R4216190-8 05/17/25 08:55

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	40000	17500	52700	88.2	1	80.0-120	
Fluoride	8000	88.2	8450	105	1	80.0-120	
Nitrate as (N)	8000	U	7990	99.9	1	80.0-120	
Sulfate	40000	66000	90300	60.8	1	80.0-120	J6

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4216394-1 05/16/25 15:11

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

L1859739-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1859739-08 05/16/25 16:57 • (DUP) R4216394-3 05/16/25 22:35

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Fluoride	247	269	1	8.55		15
Nitrate as (N)	U	U	1	0.000		15
Sulfate	91800	91300	1	0.562		15

L1859739-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1859739-08 05/16/25 23:15 • (DUP) R4216394-6 05/16/25 23:28

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	271000	273000	5	0.730		15

L1859739-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1859739-09 05/16/25 17:10 • (DUP) R4216394-7 05/16/25 23:42

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R4216394-2 05/16/25 15:24

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Chloride	40000	38600	96.6	80.0-120	
Fluoride	8000	7670	95.9	80.0-120	
Nitrate as (N)	8000	7970	99.6	80.0-120	
Sulfate	40000	39000	97.4	80.0-120	

L1859739-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1859739-08 05/16/25 16:57 • (MS) R4216394-4 05/16/25 22:48 • (MSD) R4216394-5 05/16/25 23:01

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Chloride	40000	278000	253000	253000	0.000	0.000	1	80.0-120	E V	E V	0.261	15
Fluoride	8000	247	8270	8260	100	100	1	80.0-120			0.0145	15
Nitrate as (N)	8000	U	7910	7910	98.9	98.9	1	80.0-120			0.0177	15
Sulfate	40000	91800	110000	110000	45.8	45.6	1	80.0-120	E J6	E J6	0.0986	15

L1859739-09 Original Sample (OS) • Matrix Spike (MS)

(OS) L1859739-09 05/16/25 17:10 • (MS) R4216394-8 05/16/25 23:55

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	40000	U	39000	97.4	1	80.0-120	
Fluoride	8000	U	8230	103	1	80.0-120	
Nitrate as (N)	8000	U	8040	100	1	80.0-120	
Sulfate	40000	U	39700	99.2	1	80.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4217241-2 05/19/25 23:11

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

L1859636-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1859636-03 05/20/25 01:04 • (DUP) R4217241-5 05/20/25 01:21

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	1170	1200	1	2.86		20

L1859739-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1859739-10 05/20/25 05:52 • (DUP) R4217241-8 05/20/25 06:09

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	793	940	1	17.0	⬇	20

Laboratory Control Sample (LCS)

(LCS) R4217241-1 05/19/25 22:54

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

L1859636-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1859636-02 05/20/25 00:01 • (MS) R4217241-3 05/20/25 00:24 • (MSD) R4217241-4 05/20/25 00:48

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	25000	1320	28200	28500	108	109	1	75.0-125			0.883	20

L1859739-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1859739-09 05/20/25 04:48 • (MS) R4217241-6 05/20/25 05:12 • (MSD) R4217241-7 05/20/25 05:35

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	25000	U	27300	27700	109	111	1	75.0-125			1.27	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

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

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

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

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

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

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

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

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

Laboratory Control Sample (LCS)

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

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

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

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

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	25000	4050	27200	27200	92.7	92.7	1	75.0-125			0.00779	20

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

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

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	25000	U	24100	24500	96.6	97.8	1	75.0-125			1.27	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4220377-1 05/25/25 09:38

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Arsenic	U		7.83	10.0
Barium	U		0.773	5.00
Chromium	U		1.51	10.0
Iron	U		20.5	100
Lead	U		2.43	6.00
Manganese	U		1.01	10.0
Zinc	U		4.67	50.0

Laboratory Control Sample (LCS)

(LCS) R4220377-2 05/25/25 09:40

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	1000	918	91.8	80.0-120	
Barium	1000	953	95.3	80.0-120	
Chromium	1000	943	94.3	80.0-120	
Iron	10000	9550	95.5	80.0-120	
Lead	1000	901	90.1	80.0-120	
Manganese	1000	960	96.0	80.0-120	
Zinc	1000	935	93.5	80.0-120	

L1860099-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1860099-02 05/25/25 09:41 • (MS) R4220377-4 05/25/25 09:45 • (MSD) R4220377-5 05/25/25 09:46

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	1000	U	944	910	94.4	91.0	1	75.0-125			3.72	20
Barium	1000		934	908	92.5	89.9	1	75.0-125			2.83	20
Chromium	1000		904	876	90.4	87.6	1	75.0-125			3.18	20
Iron	10000		212000	211000	105	100	1	75.0-125			0.219	20
Lead	1000		935	907	89.9	87.1	1	75.0-125			3.04	20
Manganese	1000		36200	35800	116	76.7	1	75.0-125	E	E	1.10	20
Zinc	1000		1480	1440	91.2	87.2	1	75.0-125			2.74	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) R4219177-3 05/17/25 20:03

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
(S) Toluene-d8	94.0			80.0-120
(S) 4-Bromofluorobenzene	106			77.0-126
(S) 1,2-Dichloroethane-d4	117			70.0-130

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

(LCS) R4219177-1 05/17/25 18:55 • (LCSD) R4219177-2 05/17/25 19:18

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	5.46	5.37	109	107	70.0-123			1.66	20
(S) Toluene-d8				94.4	95.2	80.0-120				
(S) 4-Bromofluorobenzene				108	109	77.0-126				
(S) 1,2-Dichloroethane-d4				110	109	70.0-130				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4219504-2 05/21/25 04:34

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
(S) Toluene-d8	109			80.0-120
(S) 4-Bromofluorobenzene	96.9			77.0-126
(S) 1,2-Dichloroethane-d4	117			70.0-130

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

(LCS) R4219504-1 05/21/25 03:28 • (LCSD) R4219504-3 05/21/25 07:15

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	4.43	4.25	88.6	85.0	70.0-123			4.15	20
(S) Toluene-d8				105	105	80.0-120				
(S) 4-Bromofluorobenzene				98.3	102	77.0-126				
(S) 1,2-Dichloroethane-d4				123	124	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) R4218636-2 05/21/25 09:51

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
(S) Toluene-d8	98.9			80.0-120
(S) 4-Bromofluorobenzene	98.8			77.0-126
(S) 1,2-Dichloroethane-d4	98.0			70.0-130

Laboratory Control Sample (LCS)

(LCS) R4218636-1 05/21/25 09:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	5.80	116	70.0-123	
(S) Toluene-d8			95.6	80.0-120	
(S) 4-Bromofluorobenzene			98.1	77.0-126	
(S) 1,2-Dichloroethane-d4			96.2	70.0-130	

L1861157-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1861157-03 05/21/25 19:08 • (MS) R4218636-3 05/21/25 20:33 • (MSD) R4218636-4 05/21/25 20:54

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	U	5.01	4.45	100	89.0	1	17.0-158			11.8	27
(S) Toluene-d8					94.4	95.5		80.0-120				
(S) 4-Bromofluorobenzene					98.4	99.9		77.0-126				
(S) 1,2-Dichloroethane-d4					97.2	96.1		70.0-130				

L1860978-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1860978-21 05/21/25 20:12 • (MS) R4218636-5 05/21/25 21:15 • (MSD) R4218636-6 05/21/25 21:36

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	10000	47600	54800	57100	72.0	95.0	2000	17.0-158			4.11	27
(S) Toluene-d8					96.4	96.2		80.0-120				
(S) 4-Bromofluorobenzene					99.4	99.7		77.0-126				
(S) 1,2-Dichloroethane-d4					95.1	95.5		70.0-130				

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

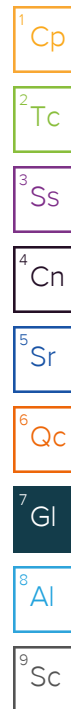
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
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.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
Q	Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.
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

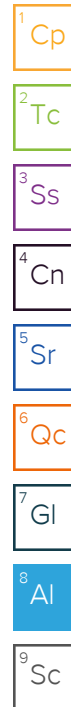
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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
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Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

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

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

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



Company Name/Address: Terracon - Little Rock, AR 25809 I-30 Bryant, AR 72022				Billing Information: Accounts Payable 25809 I-30 Bryant, AR 72022				Analysis / Container / Preservative Pres Chk L2 L2				Chain of Custody Page ____ of ____ 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 # F046			
Report to: David Jaros 501-847-9292				Email To: David.Jaros@terracon.com;Paul.Gramling@terracon.com				As, Ba, Cr, Fe, Mn, Pb, Zn 250mlHDPE-HNO3 Cl, F, NO3, SO4 125mlHDPE-NoPres TDS 250mlHDPE-NoPres TOC 250mlHDPE-HCl TPHOGHEX 1L-Clr-WT-HCl V8260BTEX 40mlAmb-HCl V8260BTEX- Trip Blk 40mlAmb-HCl-Blk No. of Containers							
Project Description: Georgia Pacific-Crossett Facility		City/State Collected:		Please Circle: PT MT CT ET											
Regulatory Program(DOD,RCRA,DW,etc):		Client Project #		Lab Project # GENENLAR-GAPACIFIC											
Collected by (print): Fernando Ocampo		Site/Facility ID #		P.O. #											
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 ☒		Date Results Needed		No. of Containers											
Sample ID		Comp/Grab		Matrix *		Depth		Date		Time					
MW-1		Grab		GW		5/14/25		1645		8					
MW-2N		Grab		GW		5/15/25		1032		1					
MW-3		Grab		GW		5/15/25		1438		1					
MW-4		Grab		GW		5/14/25		1507		1					
MW-5		Grab		GW		5/15/25		1545		1					
MW-6		Grab		GW		5/15/25		1220		1					
MW-7		Grab		GW		5/15/25		1315		1					
DUPE		Grab		GW		5/14/25		1845		1					
FIELD BLANK		Grab		GW		5/14/25		1905		1					
LEACHATE - N/A		Grab		GW		5/14/25		1905		1					
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other _____				Remarks:				pH _____ Temp _____ Flow _____ Other _____							
Samples returned via: ☐ UPS ☐ FedEx ☐ Courier				Tracking #				Sample Receipt Checklist COC Seal Present/Intact: ☒ NP ☐ Y ☐ N COC Signed/Accurate: ☒ Y ☐ N Bottles arrive intact: ☒ Y ☐ N Correct bottles used: ☒ Y ☐ N Sufficient volume sent: ☒ Y ☐ N If Applicable VOA Zero Headspace: ☒ Y ☐ N Preservation Correct/Checked: ☒ Y ☐ N RAD Screen <0.5 mR/hr: ☒ Y ☐ N							
Relinquished by : (Signature) 		Date: 5/15/25		Time: 18:00		Received by: (Signature) 		Trip Blank Received: Yes/No HCl/MeOH TBR		Temp: °C 99					
Relinquished by : (Signature)		Date:		Time:		Received by: (Signature)		Temp: °C		If preservation required by Login: Date/Time					
Relinquished by : (Signature)		Date:		Time:		Received for lab by: (Signature) CROBER		Date: 05/16/25		Time: 0900					
Relinquished by : (Signature)		Date:		Time:		Received for lab by: (Signature)		Date:		Condition: NCF / OK					

[illegible]

Multiple Parcel Form

L#

L1859134

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
5755 8089 0420	TUA9	0.1	0.4	0.5	Yes / No / Not Present
4439 2442 9554	TUA9	4.5	0.4	4.9	Yes / No / Not Present
7411 4521 0482	TUA9	1.2	0.4	1.6	Yes / No / Not Present
	TUA9	2.4	0.4	2.8	Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present

C. R. R. R. R.

Name

05.16.25

Date



Date: 6/25/2025

CLIENT: Pace National
Project: L1859739
Lab Order: S2506350

CASE NARRATIVE
Report ID: S2506350001

Entire Report Reviewed by:

Bailey O'Leary, Project Coordinator 1

Samples L1859739-01-MW-1, L1859739-03 MW-3, L1859739-06 MW-6, L1859739-07 MW-7, L1859739-08 DUPE, L1859739-09 Field Blank, L1859739-10 MW-8 and L1859739-11 MW-9 were received on June 12, 2025.

All samples were received and analyzed within recommended holding times, except those noted below in this case narrative. Samples were analyzed using methods outlined in the following references:

Standard Methods for the Examination of Water and Wastewater, approved method versions
EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, online versions
EPA methods 40 CFR Parts 136 and 141EPA 600/2-78-054 methods
NDEP Mining Methods
40 CFR Part 50, Appendices B, J, L, O and FEM EQL-0310-189
IO Compendium Methods
Clean Water Act Methods Update Rule for the Analysis of Effluent, current version.
ASTM approved and recognized standards
ISO approved and recognized standards
USDA Handbook 60
Soil Survey Laboratory Manual Ver 4.0
ASA/SSSA 9 Methods of Analysis Part 2, 1982
ASA/SSSA Methods of Analysis Book 5 Part 3, 1996
Other industry approved methods

All Quality Control parameters met the acceptance criteria defined by EPA and Pace Analytical except as indicated in this case narrative:

Qualifiers by sample

S2506350-001 - General Parameters/Oil & Grease, N-Hexane Extractable - Holding times for preparation or analysis exceeded
S2506350-001 - General Parameters/Total Petroleum Hydrocarbons (SGT-HEM) - Holding times for preparation or analysis exceeded
S2506350-002 - General Parameters/Oil & Grease, N-Hexane Extractable - Holding times for preparation or analysis exceeded
S2506350-002 - General Parameters/Total Petroleum Hydrocarbons (SGT-HEM) - Holding times for preparation or analysis exceeded
S2506350-003 - General Parameters/Oil & Grease, N-Hexane Extractable - Holding times for preparation or analysis exceeded
S2506350-003 - General Parameters/Total Petroleum Hydrocarbons (SGT-HEM) - Holding times for preparation or analysis exceeded
S2506350-004 - General Parameters/Oil & Grease, N-Hexane Extractable - Holding times for preparation or analysis exceeded
S2506350-004 - General Parameters/Total Petroleum Hydrocarbons (SGT-HEM) - Holding times for preparation or analysis exceeded
S2506350-005 - General Parameters/Oil & Grease, N-Hexane Extractable - Holding times for preparation or analysis exceeded



Date: 6/25/2025

S2506350-005 - General Parameters/Total Petroleum Hydrocarbons (SGT-HEM) - Holding times for preparation or analysis exceeded
S2506350-006 - General Parameters/Oil & Grease, N-Hexane Extractable - Holding times for preparation or analysis exceeded
S2506350-006 - General Parameters/Total Petroleum Hydrocarbons (SGT-HEM) - Holding times for preparation or analysis exceeded
S2506350-007 - General Parameters/Oil & Grease, N-Hexane Extractable - Holding times for preparation or analysis exceeded
S2506350-007 - General Parameters/Total Petroleum Hydrocarbons (SGT-HEM) - Holding times for preparation or analysis exceeded
S2506350-008 - General Parameters/Oil & Grease, N-Hexane Extractable - Holding times for preparation or analysis exceeded
S2506350-008 - General Parameters/Total Petroleum Hydrocarbons (SGT-HEM) - Holding times for preparation or analysis exceeded

Qualifiers by sample

S2506119-001 - Oil & Grease EPA 1664A/Oil & Grease, N-Hexane Extractable - Spike Recovery outside accepted recovery limits



Date: 6/25/2025

Definitions

RL Reporting Limit

Qualifiers

* Value exceeds Maximum Contaminant Level
A Check MSA specifications
B Analyte detected in the associated Method Blank
C Calculated Value
D Report limit raised due to dilution
E Value above quantitation range
G Analyzed at Pace Gillette, WY laboratory
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
L Analyzed by another laboratory
M Value exceeds Monthly Ave or MCL or is less than LCL
N Sample analyzed outside of compliance requirements
ND Not Detected at the Reporting Limit
O Outside the Range of Dilutions
P Sample preserved in lab at time of receipt
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits
U Analyte below method detection limit
X Matrix Effect



Sample Analysis Report

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

Date Reported: 6/25/2025

Report ID: S2506350001

Client Sample ID: L1859739-01-MW-1

Project: L1859739

Matrix: Waste Water

COC ID:

Collection Date: 5/14/2025 4:45:00 PM

Date Received: 6/12/2025 11:07:00 AM

Lab ID: S2506350-001

Work Order: S2506350

Analyses	Result	RL	MDL	Qual	Units	Method	Date Analyzed/Init
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General Parameters

Oil & Grease, N-Hexane Extractable	ND	5	2.87	HU	mg/L	EPA 1664A	06/13/2025 903 KLJ
Total Petroleum Hydrocarbons (SGT-HEM)	ND	5	1.17	HU	mg/L	EPA 1664A	06/13/2025 903 KLJ



Sample Analysis Report

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

Date Reported: 6/25/2025

Report ID: S2506350001

Client Sample ID: L1859739-03 MW-3

Project: L1859739

Matrix: Waste Water

COC ID:

Collection Date: 5/15/2025 2:38:00 PM

Date Received: 6/12/2025 11:07:00 AM

Lab ID: S2506350-002

Work Order: S2506350

Analyses	Result	RL	MDL	Qual	Units	Method	Date Analyzed/Init
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General Parameters

Oil & Grease, N-Hexane Extractable	ND	5	2.87	HU	mg/L	EPA 1664A	06/13/2025 904 KLJ
Total Petroleum Hydrocarbons (SGT-HEM)	ND	5	1.17	HU	mg/L	EPA 1664A	06/13/2025 904 KLJ

**Sample Analysis Report**

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

Date Reported: 6/25/2025

Report ID: S2506350001

Client Sample ID: L1859739-06 MW-6

Project: L1859739

Matrix: Waste Water

COC ID:

Collection Date: 5/15/2025 12:20:00 PM

Date Received: 6/12/2025 11:07:00 AM

Lab ID: S2506350-003

Work Order: S2506350

Analyses	Result	RL	MDL	Qual	Units	Method	Date Analyzed/Init
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General Parameters

Oil & Grease, N-Hexane Extractable	ND	5	2.87	HU	mg/L	EPA 1664A	06/13/2025 905 KLJ
Total Petroleum Hydrocarbons (SGT-HEM)	ND	5	1.17	HU	mg/L	EPA 1664A	06/13/2025 905 KLJ



Sample Analysis Report

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

Date Reported: 6/25/2025

Report ID: S2506350001

Client Sample ID: L1859739-07 MW-7

Project: L1859739

Matrix: Waste Water

COC ID:

Collection Date: 5/15/2025 1:15:00 PM

Date Received: 6/12/2025 11:07:00 AM

Lab ID: S2506350-004

Work Order: S2506350

Analyses	Result	RL	MDL	Qual	Units	Method	Date Analyzed/Init
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General Parameters

Oil & Grease, N-Hexane Extractable	ND	5	2.87	HU	mg/L	EPA 1664A	06/13/2025 906 KLJ
Total Petroleum Hydrocarbons (SGT-HEM)	ND	5	1.17	HU	mg/L	EPA 1664A	06/13/2025 906 KLJ



Sample Analysis Report

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

Date Reported: 6/25/2025

Report ID: S2506350001

Client Sample ID: L1859739-08 DUPE

Project: L1859739

Matrix: Waste Water

COC ID:

Collection Date: 5/14/2025 6:45:00 PM

Date Received: 6/12/2025 11:07:00 AM

Lab ID: S2506350-005

Work Order: S2506350

Analyses	Result	RL	MDL	Qual	Units	Method	Date Analyzed/Init
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General Parameters

Oil & Grease, N-Hexane Extractable	ND	5	2.87	HU	mg/L	EPA 1664A	06/13/2025 907 KLJ
Total Petroleum Hydrocarbons (SGT-HEM)	ND	5	1.17	HU	mg/L	EPA 1664A	06/13/2025 907 KLJ



Sample Analysis Report

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

Date Reported: 6/25/2025

Report ID: S2506350001

Client Sample ID: L1859739-09 Field Blank

Project: L1859739

Matrix: Waste Water

COC ID:

Collection Date: 5/14/2025 7:05:00 PM

Date Received: 6/12/2025 11:07:00 AM

Lab ID: S2506350-006

Work Order: S2506350

Analyses	Result	RL	MDL	Qual	Units	Method	Date Analyzed/Init
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General Parameters

Oil & Grease, N-Hexane Extractable	ND	5	2.87	HU	mg/L	EPA 1664A	06/13/2025 908 KLJ
Total Petroleum Hydrocarbons (SGT-HEM)	ND	5	1.17	HU	mg/L	EPA 1664A	06/13/2025 908 KLJ

**Sample Analysis Report**

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

Date Reported: 6/25/2025

Report ID: S2506350001

Client Sample ID: L1859739-10 MW-8

Project: L1859739

Matrix: Waste Water

COC ID:

Collection Date: 5/14/2025 6:17:00 PM

Date Received: 6/12/2025 11:07:00 AM

Lab ID: S2506350-007

Work Order: S2506350

Analyses	Result	RL	MDL	Qual	Units	Method	Date Analyzed/Init
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General Parameters

Oil & Grease, N-Hexane Extractable	ND	5	2.87	HU	mg/L	EPA 1664A	06/13/2025 909 KLJ
Total Petroleum Hydrocarbons (SGT-HEM)	ND	5	1.17	HU	mg/L	EPA 1664A	06/13/2025 909 KLJ



Sample Analysis Report

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

Date Reported: 6/25/2025

Report ID: S2506350001

Client Sample ID: L1859739-11 MW-9

Project: L1859739

Matrix: Waste Water

COC ID:

Collection Date: 5/14/2025 10:00:00 AM

Date Received: 6/12/2025 11:07:00 AM

Lab ID: S2506350-008

Work Order: S2506350

Analyses	Result	RL	MDL	Qual	Units	Method	Date Analyzed/Init
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General Parameters

Oil & Grease, N-Hexane Extractable	ND	5	2.87	HU	mg/L	EPA 1664A	06/13/2025 910 KLJ
Total Petroleum Hydrocarbons (SGT-HEM)	ND	5	1.17	HU	mg/L	EPA 1664A	06/13/2025 910 KLJ



ANALYTICAL QC SUMMARY REPORT

CLIENT: Pace National
Work Order: S2506350
Project: L1859739

Date: 6/25/2025
Report ID: S2506350001

Oil & Grease EPA 1664A

Sample Type **MBLK**

Units: mg/L

BLANK (06/13/25 09:00)	RunNo: 231697							
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual	

Oil & Grease, N-Hexane Extractable

ND

5.00

Oil & Grease EPA 1664A

Sample Type **LCS**

Units: mg/L

LCS-1 (06/13/25 09:01)	RunNo: 231697							
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual	

Oil & Grease, N-Hexane Extractable

44.2

5.00

40

110

78 - 114

Oil & Grease EPA 1664A

Sample Type **MS**

Units: mg/L

S2506119-001ASPK MS (06/13/25 09:13)	RunNo: 231697							
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual	

Oil & Grease, N-Hexane Extractable

212

5.00

40

979

-1920

78 - 114

S

Sub-Contract Chain of Custody

Batch Date/Time: 05/19/25 09:04
 Sub-Contract Lab: PACESWY
 Address: 1673 Terra Ave
 City/State: Sheridan, WY 82801
 Contact: john.jacobs@pacelabs.com
 Owner Lab: PACEMTJL
 Address: 12065 Lebanon Rd.
 City/State: Mt. Juliet, TN 37122
 Phone: (615) 773-9756
 Fax: (615) 758-5859

WO: WG2518160
 Email: MTJLSuboutTeam@pacelabs.com
 Results Due Date: 06/16/25
 ESC Purchase Order #: L1859739
 Send Reports to: James C Huckaba



12065 Lebanon Rd.
 Mt. Juliet, TN 37122
 Phone: (615) 773-9756
 Fax: (615) 758-5859

Sample ID Container ID	Matrix	State	Collect Date	Description	Method	Sample Number Lab Use Only	Sample Comments Lab Use Only
MW-1	WW	AR	05/14/25 16:45	TPH - Oil & Grease, Hexane	1664A	1. L1859739-01	32506350-00
MW-2N	WW	AR	05/15/25 10:32	TPH - Oil & Grease, Hexane	1664A	2. L1859739-02	
MW-3	WW	AR	05/15/25 14:38	TPH - Oil & Grease, Hexane	1664A	3. L1859739-03	-002
MW-4	WW	AR	05/14/25 15:07	TPH - Oil & Grease, Hexane	1664A	4. L1859739-04	
MW-5	WW	AR	05/15/25 15:45	TPH - Oil & Grease, Hexane	1664A	5. L1859739-05	
MW-6	WW	AR	05/15/25 12:20	TPH - Oil & Grease, Hexane	1664A	6. L1859739-06	-003
MW-7	WW	AR	05/15/25 13:15	TPH - Oil & Grease, Hexane	1664A	7. L1859739-07	-004
DUPE	WW	AR	05/14/25 18:45	TPH - Oil & Grease, Hexane	1664A	8. L1859739-08	-005
FIELD BLANK	WW	AR	05/14/25 19:05	TPH - Oil & Grease, Hexane	1664A	9. L1859739-09	-006
MW-8	WW	AR	05/14/25 18:17	TPH - Oil & Grease, Hexane	1664A	10. L1859739-10	-007
MW-9	WW	AR	05/14/25 10:00	TPH - Oil & Grease, Hexane	1664A	11. L1859739-11	-008

*= Container used for multiple Samples and/or Analyses

Relinquished by: [Signature] Date: 6-11-25

Received by: [Signature] Date: 6/12/25 1107

Relinquished by: _____ Date: _____

Received by: _____ Date: _____

3106 R02
 Cust. Seal intact

Survey Meter # Model 2241-2; SN 182119
pH strip lot # HC455739
Thermometer SN# 220622431

Condition Upon Receipt (Attach to COC)

Sample Receipt

- 1 Number of ice chests/packages received: 1 ROI? Yes No

Note as "OTC" if samples are received over the counter, unpackaged

- 2 Temperature of cooler/samples. (If more than 8 coolers, obtain an additional CUR form.)

Temps Observed (°C): 3.1
Temps Corrected (°C): 3.1

Acceptable is: 0.1° to 10°C for Bacteria; and 0.1° to 6°C for most other water parameters. Samples may not have had adequate time to cool following collection. Indicate ROI (Received on Ice) for iced samples received on the same day as sampled, in addition to temperature at receipt.

Client contact for temperatures outside method criteria must be documented below

- 3 Emission rate of samples for radiochemical analyses < 0.5mR/hr? Yes No N/A
4 COC Number (If applicable): _____
5 Do the number of bottles agree with the COC? Yes No N/A
6 Were the samples received intact? (no broken bottles, leaks, etc.) Yes No N/A
7 Were the sample custody seals intact? Yes No N/A
8 Is the COC properly completed, legible, and signed? Yes No

Sample Verification, Labeling & Distribution

- 1 Were all requested analyses understood and appropriate? Yes No
2 Did the bottle labels correspond with the COC information? Yes No
3 Samples collected in method-prescribed containers? Yes No
4 Sample Preservation:

pH at Receipt:

Final pH (if added in lab):

Preservative/Lot#

Date/Time Added:

____ Total Metals

____ Total Metals

HNO₃ _____

____ Diss Metals

____ Diss Metals

Filtered and preserved in metals

Filtered and preserved in metals

____ Nutrient

____ Nutrient

H₂SO₄ _____

____ Cyanide

____ Cyanide

NaOH _____

____ Sulfide

____ Sulfide

ZnAcet _____

____ Phenol

____ Phenol

H₂SO₄ _____

____ SDWA Rads

____ SDWA Rads

HNO₃ _____

- 5 VOA vials have <6mm headspace? Yes No N/A
6 Were all analyses within holding time at the time of receipt? Yes No
7 Have rush or project due dates been checked and accepted? Yes No N/A
8 Do samples require subcontracted analyses? Yes No

If "Yes", which type of subcontracting is required?

General

Customer-Specified

Certified

Sample Receipt, Verification, Login, Labeling & Distribution completed by (initials):

BIOC

Set ID: SCS006350

Discrepancy Documentation (use back of sheet for notes on discrepancies)

Any items listed above with a response of "No" or do not meet specifications must be resolved.

Person Contacted: _____ Method of Contact: _____ Phone: _____

Initiated By: _____ Date/Time: _____ Email: _____

Problem: _____

Resolution: _____

Terracon - Little Rock, AR

Sample Delivery Group: L1872086
Samples Received: 06/21/2025
Project Number:
Description: Georgia Pacific-Crossett LLC - Class 3N North LF

Report To: David Jaros
25809 I-30
Bryant, AR 72022

Entire Report Reviewed By:



Jason Romer
Project Manager

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

Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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		⁶ Al
		⁷ Sc

SAMPLE SUMMARY

MW-1 L1872086-01

				Collected by Fernando O	Collected date/time 06/20/25 12:10	Received date/time 06/21/25 08:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG2544588	1	07/09/25 00:00	07/09/25 00:00	SSD	Sheridan, WY 82801

MW-2N L1872086-02

				Collected by Fernando O	Collected date/time 06/20/25 10:38	Received date/time 06/21/25 08:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG2544588	1	07/09/25 00:00	07/09/25 00:00	SSD	Sheridan, WY 82801

MW-3 L1872086-03

				Collected by Fernando O	Collected date/time 06/20/25 13:25	Received date/time 06/21/25 08:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG2544588	1	07/09/25 00:00	07/09/25 00:00	SSD	Sheridan, WY 82801

MW-4 L1872086-04

				Collected by Fernando O	Collected date/time 06/20/25 13:05	Received date/time 06/21/25 08:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG2544588	1	07/09/25 00:00	07/09/25 00:00	SSD	Sheridan, WY 82801

MW-5 L1872086-05

				Collected by Fernando O	Collected date/time 06/20/25 13:40	Received date/time 06/21/25 08:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG2544588	1	07/09/25 00:00	07/09/25 00:00	SSD	Sheridan, WY 82801

MW-6 L1872086-06

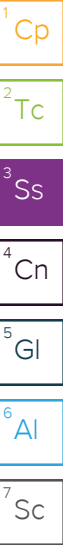
				Collected by Fernando O	Collected date/time 06/20/25 10:51	Received date/time 06/21/25 08:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG2544588	1	07/09/25 00:00	07/09/25 00:00	SSD	Sheridan, WY 82801

MW-7 L1872086-07

				Collected by Fernando O	Collected date/time 06/20/25 11:02	Received date/time 06/21/25 08:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG2544588	1	07/09/25 00:00	07/09/25 00:00	SSD	Sheridan, WY 82801

DUPE L1872086-08

				Collected by Fernando O	Collected date/time 06/20/25 12:18	Received date/time 06/21/25 08:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG2544588	1	07/09/25 00:00	07/09/25 00:00	SSD	Sheridan, WY 82801



SAMPLE SUMMARY

FIELD BLANK L1872086-09

Collected by
Fernando O

Collected date/time
06/20/25 12:25

Received date/time
06/21/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG2544588	1	07/09/25 00:00	07/09/25 00:00	SSD	Sheridan, WY 82801

MW-8 L1872086-10

Collected by
Fernando O

Collected date/time
06/20/25 11:55

Received date/time
06/21/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG2544588	1	07/09/25 00:00	07/09/25 00:00	SSD	Sheridan, WY 82801

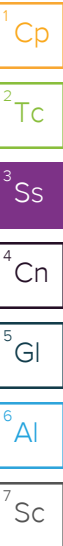
MW-9 L1872086-11

Collected by
Fernando O

Collected date/time
06/20/25 12:40

Received date/time
06/21/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG2544588	1	07/09/25 00:00	07/09/25 00:00	SSD	Sheridan, WY 82801



CASE NARRATIVE

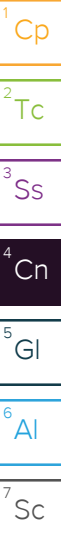
All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples 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.



Jason Romer
Project Manager

Project Narrative

L1872086 -01, -02, -03, -04, -05, -06, -07, -08, -09, -10, -11 contains subout data that is included after the chain of custody.



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

SDG	Sample Delivery Group.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.



ACCREDITATIONS & LOCATIONS

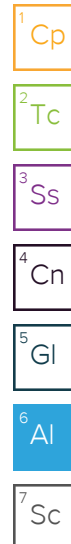
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

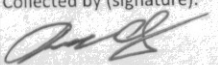
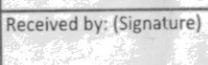
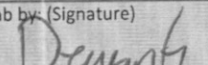
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Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina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

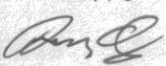
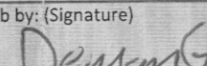
¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

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

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



Company Name/Address: Terracon - Little Rock, AR 25809 I-30 Bryant, AR 72022				Billing Information: Accounts Payable 25809 I-30 Bryant, AR 72022 Email To: David.Jaros@terracon.com; Paul.Gramling@terracon.com				Analysis / Container / Preservative Pres Chk				Chain of Custody Page <u> </u> of <u> </u>  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			
Report to: David Jaros 501-847-9292				Project Description: Georgia Pacific-Crossett LLC - Class 3N North LF				City/State Collected: Please Circle: PT MT CT ET							
Regulatory Program(DOD, RCRA, DW, etc):		Client Project #		Lab Project # GENENLAR-GAPACIFIC		TPHOGHEX 1L-Clr-WT-HCl									
Collected by (print): Fernando Ocampo		Site/Facility ID #		P.O. #											
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 ☒		Date Results Needed		No. of Cntrs											
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs								
MW-1		Grab	GW		6/20/25	1218	2	X							
MW-2N		Grab	GW		6/20/25	1038	1	X							
MW-3		Grab	GW		6/20/25	1325	1	X							
MW-4		Grab	GW		6/20/25	1305	1	X							
MW-5		Grab	GW		6/20/25	1340	1	X							
MW-6		Grab	GW		6/20/25	1051	1	X							
MW-7		Grab	GW		6/20/25	1102	1	X							
DUPE		Grab	GW		6/20/25	1218	1	X							
FIELD BLANK		Grab	GW		6/20/25	1225	1	X							
LEACHATE			GW												
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other				Remarks: Samples returned via: ☐ UPS ☐ FedEx ☐ Courier				Tracking #				pH _____ Temp _____ Flow _____ Other _____			
Relinquished by : (Signature) 				Date: 6/20/25	Time: 16:00	Received by: (Signature) 				Trip Blank Received: Yes ☒ No ☐ HCL / MeOH TBR					
Relinquished by : (Signature)				Date:	Time:	Received by: (Signature)				Temp: °C Bottles Received: 22		If preservation required by Login: Date/Time			
Relinquished by : (Signature)				Date:	Time:	Received for lab by: (Signature) 				Date: 6.21.25 Time: 0850		Hold:	Condition: NCF / OK		

Company Name/Address: Terracon - Little Rock, AR 25809 I-30 Bryant, AR 72022		Billing Information: Accounts Payable 25809 I-30 Bryant, AR 72022		Pres Chk		Analysis / Container / Preservative										Chain of Custody Page ____ of ____  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			
Report to: David Jaros 501-847-9292		Email To: David.Jaros@terracon.com; Paul.Gramling@terr																	
Project Description: Georgia Pacific-Crossett LLC - Class 3N North LF		City/State Collected:		Please Circle: PT MT CT ET															
Regulatory Program(DOD,RCRA,DW,etc):		Client Project #		Lab Project # GENENLAR-GAPACIFIC															
Collected by (print): Fernando Ocampo		Site/Facility ID #		P.O. #															
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 ☒				Date Results Needed		No. of Cntrs													
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	TPHOGHEX 1L-Clr-WT-HCl												
MW-8		Grab	GW	25	1155	7	X											-10	
MW-9		Grab	GW	10/25	1240	7	X											-11	
EQUIPMENT BLANK		GW	GW	GW	GW	GW	GW												
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks:		pH _____ Temp _____ Flow _____ Other _____															
Samples returned via: ☐ UPS ☐ FedEx ☐ Courier		Tracking #																	
Relinquished by : (Signature) 		Date: 6/20/25	Time: 1600	Received by: (Signature)		Trip Blank Received: Yes (No) HCL / MeOH TBR													
Relinquished by : (Signature)		Date:	Time:	Received by: (Signature)		Temp: _____ °C Bottles Received: 22												If preservation required by Login: Date/Time	
Relinquished by : (Signature)		Date:	Time:	Received for lab by: (Signature) 		Date: 6.21.25 Time: 0830												Hold: Condition: NCF / OK	

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

Effective Date: 2/20/2025

Multiple Parcel Form

L# 1872086

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
458063099820	TLA9	4.6	0.4	5.0	Yes / No / Not Present
458063099809	TLA9	5.4	0.4	5.8	Yes / No / Not Present
458063099810	TLA9	4.6	0.4	5.0	Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present

Danforth
Name

6-21-25
Date



Date: 7/9/2025

CLIENT: Pace National
Project: WG2544588 L1872086
Lab Order: S2506603

CASE NARRATIVE
Report ID: S2506603001

Entire Report Reviewed by:

Jason Conde, Project Coordinator 2

Samples L1872086-01 MW-1, L1872086-02 MW-2N, L1872086-03 MW-3, L1872086-04 MW-4, L1872086-05 MW-5, L1872086-06 MW-6, L1872086-07 MW-7, L1872086-08 DUPE, L1872086-09 FIELD BLANK, L1872086-10 MW-8 and L1872086-11 MW-9 were received on June 24, 2025.

All samples were received and analyzed within recommended holding times, except those noted below in this case narrative. Samples were analyzed using methods outlined in the following references:

Standard Methods for the Examination of Water and Wastewater, approved method versions
EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, online versions
EPA methods 40 CFR Parts 136 and 141 EPA 600/2-78-054 methods
NDEP Mining Methods
40 CFR Part 50, Appendices B, J, L, O and FEM EQL-0310-189
IO Compendium Methods
Clean Water Act Methods Update Rule for the Analysis of Effluent, current version.
ASTM approved and recognized standards
ISO approved and recognized standards
USDA Handbook 60
Soil Survey Laboratory Manual Ver 4.0
ASA/SSSA 9 Methods of Analysis Part 2, 1982
ASA/SSSA Methods of Analysis Book 5 Part 3, 1996
Other industry approved methods

All Quality Control parameters met the acceptance criteria defined by EPA and Pace Analytical except as indicated in this case narrative:



Date: 7/9/2025

Definitions

RL Reporting Limit

Qualifiers

*	Value exceeds Maximum Contaminant Level
A	Check MSA specifications
B	Analyte detected in the associated Method Blank
C	Calculated Value
D	Report limit raised due to dilution
E	Value above quantitation range
G	Analyzed at Pace Gillette, WY laboratory
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
L	Analyzed by another laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL
N	Sample analyzed outside of compliance requirements
ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions
P	Sample preserved in lab at time of receipt
R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits
U	Analyte below method detection limit
X	Matrix Effect



Sample Analysis Report

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

Date Reported: 7/9/2025
Report ID: S2506603001

Client Sample ID: L1872086-01 MW-1
Project: WG2544588 L1872086
Matrix: Groundwater
COC ID:

Collection Date: 6/20/2025 12:10:00 PM
Date Received: 6/24/2025 10:24:00 AM
Lab ID: S2506603-001
Work Order: S2506603

Analyses	Result	RL	MDL	Qual	Units	Method	Date Analyzed/Init
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General Parameters

Oil & Grease, N-Hexane Extractable	ND	5	2.87		mg/L	EPA 1664A	07/08/2025 903 KLJ
Total Petroleum Hydrocarbons (SGT-HEM)	ND	5	1.17		mg/L	EPA 1664A	07/08/2025 903 KLJ



Sample Analysis Report

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

Date Reported: 7/9/2025
Report ID: S2506603001

Client Sample ID: L1872086-02 MW-2N
Project: WG2544588 L1872086
Matrix: Groundwater
COC ID:

Collection Date: 6/20/2025 10:38:00 AM
Date Received: 6/24/2025 10:24:00 AM
Lab ID: S2506603-002
Work Order: S2506603

Analyses	Result	RL	MDL	Qual	Units	Method	Date Analyzed/Init
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General Parameters

Oil & Grease, N-Hexane Extractable	ND	5	2.87		mg/L	EPA 1664A	07/08/2025 904 KLJ
Total Petroleum Hydrocarbons (SGT-HEM)	ND	5	1.17		mg/L	EPA 1664A	07/08/2025 904 KLJ



Sample Analysis Report

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

Date Reported: 7/9/2025
Report ID: S2506603001

Client Sample ID: L1872086-03 MW-3
Project: WG2544588 L1872086
Matrix: Groundwater
COC ID:

Collection Date: 6/20/2025 1:25:00 PM
Date Received: 6/24/2025 10:24:00 AM
Lab ID: S2506603-003
Work Order: S2506603

Analyses	Result	RL	MDL	Qual	Units	Method	Date Analyzed/Init
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General Parameters

Oil & Grease, N-Hexane Extractable	ND	5	2.87		mg/L	EPA 1664A	07/08/2025 905 KLJ
Total Petroleum Hydrocarbons (SGT-HEM)	ND	5	1.17		mg/L	EPA 1664A	07/08/2025 905 KLJ



Sample Analysis Report

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

Date Reported: 7/9/2025
Report ID: S2506603001

Client Sample ID: L1872086-04 MW-4
Project: WG2544588 L1872086
Matrix: Groundwater
COC ID:

Collection Date: 6/20/2025 1:05:00 PM
Date Received: 6/24/2025 10:24:00 AM
Lab ID: S2506603-004
Work Order: S2506603

Analyses	Result	RL	MDL	Qual	Units	Method	Date Analyzed/Init
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General Parameters

Oil & Grease, N-Hexane Extractable	ND	5	2.87		mg/L	EPA 1664A	07/08/2025 906 KLJ
Total Petroleum Hydrocarbons (SGT-HEM)	ND	5	1.17		mg/L	EPA 1664A	07/08/2025 906 KLJ



Sample Analysis Report

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

Date Reported: 7/9/2025
Report ID: S2506603001

Client Sample ID: L1872086-05 MW-5
Project: WG2544588 L1872086
Matrix: Groundwater
COC ID:

Collection Date: 6/20/2025 1:40:00 PM
Date Received: 6/24/2025 10:24:00 AM
Lab ID: S2506603-005
Work Order: S2506603

Analyses	Result	RL	MDL	Qual	Units	Method	Date Analyzed/Init
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General Parameters

Oil & Grease, N-Hexane Extractable	ND	5	2.87		mg/L	EPA 1664A	07/08/2025 907 KLJ
Total Petroleum Hydrocarbons (SGT-HEM)	ND	5	1.17		mg/L	EPA 1664A	07/08/2025 907 KLJ



Sample Analysis Report

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

Date Reported: 7/9/2025
Report ID: S2506603001

Client Sample ID: L1872086-06 MW-6
Project: WG2544588 L1872086
Matrix: Groundwater
COC ID:

Collection Date: 6/20/2025 10:51:00 AM
Date Received: 6/24/2025 10:24:00 AM
Lab ID: S2506603-006
Work Order: S2506603

Analyses	Result	RL	MDL	Qual	Units	Method	Date Analyzed/Init
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General Parameters

Oil & Grease, N-Hexane Extractable	ND	5	2.87		mg/L	EPA 1664A	07/08/2025 908 KLJ
Total Petroleum Hydrocarbons (SGT-HEM)	ND	5	1.17		mg/L	EPA 1664A	07/08/2025 908 KLJ



Sample Analysis Report

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

Date Reported: 7/9/2025
Report ID: S2506603001

Client Sample ID: L1872086-07 MW-7
Project: WG2544588 L1872086
Matrix: Groundwater
COC ID:

Collection Date: 6/20/2025 11:02:00 AM
Date Received: 6/24/2025 10:24:00 AM
Lab ID: S2506603-007
Work Order: S2506603

Analyses	Result	RL	MDL	Qual	Units	Method	Date Analyzed/Init
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General Parameters

Oil & Grease, N-Hexane Extractable	ND	5	2.87		mg/L	EPA 1664A	07/08/2025 909 KLJ
Total Petroleum Hydrocarbons (SGT-HEM)	ND	5	1.17		mg/L	EPA 1664A	07/08/2025 909 KLJ



Sample Analysis Report

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

Date Reported: 7/9/2025
Report ID: S2506603001

Client Sample ID: L1872086-08 DUPE
Project: WG2544588 L1872086
Matrix: Groundwater
COC ID:

Collection Date: 6/20/2025 12:18:00 PM
Date Received: 6/24/2025 10:24:00 AM
Lab ID: S2506603-008
Work Order: S2506603

Analyses	Result	RL	MDL	Qual	Units	Method	Date Analyzed/Init
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General Parameters

Oil & Grease, N-Hexane Extractable	ND	5	2.87		mg/L	EPA 1664A	07/08/2025 910 KLJ
Total Petroleum Hydrocarbons (SGT-HEM)	ND	5	1.17		mg/L	EPA 1664A	07/08/2025 910 KLJ



Sample Analysis Report

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

Date Reported: 7/9/2025
Report ID: S2506603001

Client Sample ID: L1872086-09 FIELD BLANK
Project: WG2544588 L1872086
Matrix: Groundwater
COC ID:

Collection Date: 6/20/2025 12:25:00 PM
Date Received: 6/24/2025 10:24:00 AM
Lab ID: S2506603-009
Work Order: S2506603

Analyses	Result	RL	MDL	Qual	Units	Method	Date Analyzed/Init
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General Parameters

Oil & Grease, N-Hexane Extractable	ND	5	2.87		mg/L	EPA 1664A	07/08/2025 911 KLJ
Total Petroleum Hydrocarbons (SGT-HEM)	ND	5	1.17		mg/L	EPA 1664A	07/08/2025 911 KLJ



Sample Analysis Report

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

Date Reported: 7/9/2025
Report ID: S2506603001

Client Sample ID: L1872086-10 MW-8
Project: WG2544588 L1872086
Matrix: Groundwater
COC ID:

Collection Date: 6/20/2025 11:55:00 AM
Date Received: 6/24/2025 10:24:00 AM
Lab ID: S2506603-010
Work Order: S2506603

Analyses	Result	RL	MDL	Qual	Units	Method	Date Analyzed/Init
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General Parameters

Oil & Grease, N-Hexane Extractable	ND	5	2.87		mg/L	EPA 1664A	07/08/2025 912 KLJ
Total Petroleum Hydrocarbons (SGT-HEM)	ND	5	1.17		mg/L	EPA 1664A	07/08/2025 912 KLJ



Sample Analysis Report

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

Date Reported: 7/9/2025
Report ID: S2506603001

Client Sample ID: L1872086-11 MW-9
Project: WG2544588 L1872086
Matrix: Groundwater
COC ID:

Collection Date: 6/20/2025 12:40:00 PM
Date Received: 6/24/2025 10:24:00 AM
Lab ID: S2506603-011
Work Order: S2506603

Analyses	Result	RL	MDL	Qual	Units	Method	Date Analyzed/Init
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General Parameters

Oil & Grease, N-Hexane Extractable	ND	5	2.87		mg/L	EPA 1664A	07/08/2025 913 KLJ
Total Petroleum Hydrocarbons (SGT-HEM)	ND	5	1.17		mg/L	EPA 1664A	07/08/2025 913 KLJ



Pace Analytical

1673 Terra Avenue Sheridan, WY 82801

ph: (307) 672-8945

ANALYTICAL QC SUMMARY REPORT

CLIENT: Pace National

Date: 7/9/2025

Work Order: S2506603

Report ID: S2506603001

Project: WG2544588 L1872086

Oil & Grease EPA 1664A

Sample Type **MBLK**

Units: mg/L

BLANK (07/08/25 09:00)	RunNo: 232398							
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual	

Oil & Grease, N-Hexane Extractable

ND

5

Oil & Grease EPA 1664A

Sample Type **LCS**

Units: mg/L

LCS-1 (07/08/25 09:01)	RunNo: 232398							
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual	

Oil & Grease, N-Hexane Extractable

36

5

40

91.0

78 - 114

Oil & Grease EPA 1664A

Sample Type **MS**

Units: mg/L

S2506626-002ESPK MS (07/08/25 09:17)	RunNo: 232398							
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual	

Oil & Grease, N-Hexane Extractable

32.9

3.11

40

ND

82.3

78 - 114

Sub-Contract Chain of Custody

Batch Date/Time: 06/23/25 09:11
 Sub-Contract Lab: PACESWY
 Address: 1673 Terra Ave
 City/State: Sheridan, WY 82801
 Contact: john.jacobs@pacelabs.com
 Owner Lab: PACEMTJL
 Address: 12065 Lebanon Rd.
 City/State: Mt. Juliet, TN 37122
 Phone: (615) 773-9756
 Fax: (615) 758-5859

WO: WG2544588
 Email: MTJLSuboutTeam@pacelabs.com
 Results Due Date: 07/08/25
 ESC Purchase Order #: L1872086
 Send Reports to: James C Huckaba



12065 Lebanon Rd.
 Mt. Juliet, TN 37122
 Phone: (615) 773-9756
 Fax: (615) 758-5859

Sample ID Container ID	Matrix	State	Collect Date	Description	Method	Sample Number Lab Use Only	Sample Comments Lab Use Only
MW-1 1L-Clr-WT-HCl - 52496253 1L-Clr-WT-HCl - 52496254	GW	AR	06/20/25 12:10	TPH - Oil & Grease, Hexane	1664A	1. L1872086-01	250663-01
MW-2N 1L-Clr-WT-HCl - 52496255 1L-Clr-WT-HCl - 52496256	GW	AR	06/20/25 10:38	TPH - Oil & Grease, Hexane	1664A	2. L1872086-02	-02
MW-3 1L-Clr-WT-HCl - 52496257 1L-Clr-WT-HCl - 52496258	GW	AR	06/20/25 13:25	TPH - Oil & Grease, Hexane	1664A	3. L1872086-03	-03
MW-4 1L-Clr-WT-HCl - 52496259 1L-Clr-WT-HCl - 52496260	GW	AR	06/20/25 13:05	TPH - Oil & Grease, Hexane	1664A	4. L1872086-04	-04
MW-5 1L-Clr-WT-HCl - 52496261 1L-Clr-WT-HCl - 52496262	GW	AR	06/20/25 13:40	TPH - Oil & Grease, Hexane	1664A	5. L1872086-05	-05
MW-6 1L-Clr-WT-HCl - 52496263 1L-Clr-WT-HCl - 52496264	GW	AR	06/20/25 10:51	TPH - Oil & Grease, Hexane	1664A	6. L1872086-06	-06
MW-7 1L-Clr-WT-HCl - 52496265 1L-Clr-WT-HCl - 52496266	GW	AR	06/20/25 11:02	TPH - Oil & Grease, Hexane	1664A	7. L1872086-07	-07
DUPE 1L-Clr-WT-HCl - 52496267 1L-Clr-WT-HCl - 52496268	GW	AR	06/20/25 12:18	TPH - Oil & Grease, Hexane	1664A	8. L1872086-08	-08
FIELD BLANK 1L-Clr-WT-HCl - 52496269 1L-Clr-WT-HCl - 52496270	GW	AR	06/20/25 12:25	TPH - Oil & Grease, Hexane	1664A	9. L1872086-09	-09
MW-8 1L-Clr-WT-HCl - 52496271 1L-Clr-WT-HCl - 52496272	GW	AR	06/20/25 11:55	TPH - Oil & Grease, Hexane	1664A	10. L1872086-10	-010 056124/05
MW-9 1L-Clr-WT-HCl - 52496273 1L-Clr-WT-HCl - 52496274	GW	AR	06/20/25 12:40	TPH - Oil & Grease, Hexane	1664A	11. L1872086-11	-011

*= Container used for multiple Samples and/or Analyses

Relinquished by: [Signature] Date: 6-23-25
 Received by: [Signature] Date: 6/24/25 10:24
 Relinquished by: _____ Date: _____
 Received by: _____ Date: _____

1.80
 4.20
 3.40
 1.90

ROI Cust. Seal Intact

Survey Meter # Model 2241-2; SN 182119
pH strip lot # HC464671
Thermometer SN# 221511272

Condition Upon Receipt (Attach to COC)

Sample Receipt

- 1 Number of ice chests/packages received: 4 ROI? Yes No

Note as "OTC" if samples are received over the counter, unpackaged

- 2 Temperature of cooler/samples. (If more than 8 coolers, obtain an additional CUR form.)

Temps Observed (°C):	<u>1.8</u>	<u>4.2</u>	<u>3.4</u>	<u>1.9</u>				
Temps Corrected (°C):	<u>1.8</u>	<u>4.2</u>	<u>3.4</u>	<u>1.9</u>				

Acceptable is: 0.1° to 10°C for Bacteria; and 0.1° to 6°C for most other water parameters. Samples may not have had adequate time to cool following collection. Indicate ROI (Received on Ice) for iced samples received on the same day as sampled, in addition to temperature at receipt.

Client contact for temperatures outside method criteria must be documented below.

- 3 Emission rate of samples for radiochemical analyses < 0.5mR/hr? Yes No N/A
- 4 COC Number (If applicable): _____
- 5 Do the number of bottles agree with the COC? Yes No N/A
- 6 Were the samples received intact? (no broken bottles, leaks, etc.) Yes No N/A
- 7 Were the sample custody seals intact? Yes No N/A
- 8 Is the COC properly completed, legible, and signed? Yes No

Sample Verification, Labeling & Distribution

- 1 Were all requested analyses understood and appropriate? Yes No
- 2 Did the bottle labels correspond with the COC information? Yes No
- 3 Samples collected in method-prescribed containers? Yes No
- 4 Sample Preservation:

pH at Receipt:	Final pH (if added in lab):	Preservative/Lot#	Date/Time Added:
____ Total Metals	____ Total Metals	HNO ₃ _____	_____
____ Diss Metals	____ Diss Metals	Filtered and preserved in metals	Filtered and preserved in metals
____ Nutrient	____ Nutrient	H ₂ SO ₄ _____	
____ Cyanide	____ Cyanide	NaOH _____	
____ Sulfide	____ Sulfide	ZnAcet _____	
____ Phenol	____ Phenol	H ₂ SO ₄ _____	
____ SDWA Rads	____ SDWA Rads	HNO ₃ _____	_____

- 5 VOA vials have <6mm headspace? Yes No N/A
- 6 Were all analyses within holding time at the time of receipt? Accepted Yes No
- 7 Have rush or project due dates been checked and accepted? due date Yes No N/A
- 8 Do samples require subcontracted analyses? Yes No

If "Yes", which type of subcontracting is required? General Customer-Specified Certified

Sample Receipt, Verification, Login, Labeling & Distribution completed by (initials): OS/TJ
Set ID: J5506603

Discrepancy Documentation (use back of sheet for notes on discrepancies)

Any items listed above with a response of "No" or do not meet specifications must be resolved.

Person Contacted: _____ Method of Contact: _____ Phone: _____
Initiated By: _____ Date/Time: _____ Email: _____
Problem: _____
Resolution: _____