

Haley Griffith (adpce.ad)

From: Mark Beasley <Mark.Beasley@pacelabs.com>
Sent: Tuesday, December 17, 2024 12:34 PM
To: EE GW Reports
Cc: Melissa Vaught
Subject: Lab report L1780128
Attachments: L1780128.pdf

Thanks

Mark Beasley

Manager – Client Operations / National

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FTN Associates - Little Rock, AR

Sample Delivery Group: L1780128
Samples Received: 09/20/2024
Project Number: 024-01341
Description: Clearwater Paper Landfill

Report To: Melissa Vaught
124 West Sunbridge Dr.
Suite 3
Fayetteville, AR 72703

Entire Report Reviewed By:



Mark W. Beasley
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-1A L1780128-01 GW

Collected by
Michael Clayton

Collected date/time
09/18/24 11:00

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2367066	1	09/21/24 09:52	09/23/24 12:53	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2368054	1	09/23/24 22:22	09/23/24 22:22	RTW	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2367367	1	09/22/24 10:54	09/22/24 21:57	AEC	Mt. Juliet, TN
Wet Chemistry by Method 410.4	WG2369052	1	09/24/24 18:30	09/24/24 22:03	CB	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2368646	1	09/24/24 15:41	09/24/24 15:41	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2366891	1	09/22/24 14:58	09/22/24 14:58	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2373070	1	10/02/24 17:26	10/02/24 17:26	TMH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2368471	1	10/03/24 01:22	10/03/24 21:45	LD	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

MW-2A L1780128-02 GW

Collected by
Michael Clayton

Collected date/time
09/17/24 18:15

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2367066	1	09/21/24 09:52	09/23/24 12:53	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2368054	1	09/23/24 22:25	09/23/24 22:25	RTW	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2367367	1	09/22/24 10:54	09/22/24 21:58	AEC	Mt. Juliet, TN
Wet Chemistry by Method 410.4	WG2369052	1	09/24/24 18:30	09/24/24 22:03	CB	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2368646	1	09/24/24 15:42	09/24/24 15:42	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2366891	1	09/22/24 15:52	09/22/24 15:52	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2373070	1	10/02/24 18:32	10/02/24 18:32	TMH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2368471	1	10/03/24 01:22	10/03/24 22:16	LD	Mt. Juliet, TN

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

MW-3AR L1780128-03 GW

Collected by
Michael Clayton

Collected date/time
09/17/24 13:15

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2367066	1	09/21/24 09:52	09/23/24 12:53	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2368054	1	09/23/24 22:27	09/23/24 22:27	RTW	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2367367	1	09/22/24 10:54	09/22/24 22:00	AEC	Mt. Juliet, TN
Wet Chemistry by Method 410.4	WG2369052	1	09/24/24 18:30	09/24/24 22:03	CB	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2368646	1	09/24/24 15:42	09/24/24 15:42	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2366891	1	09/22/24 16:32	09/22/24 16:32	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2373070	1	10/02/24 19:13	10/02/24 19:13	TMH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2368471	1	10/03/24 01:22	10/03/24 21:59	LD	Mt. Juliet, TN

Collected by
Michael Clayton

Collected date/time
09/18/24 13:30

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

MW-4A L1780128-04 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2367066	1	09/21/24 09:52	09/23/24 12:53	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2368054	1	09/23/24 22:28	09/23/24 22:28	RTW	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2367367	1	09/22/24 10:54	09/22/24 22:01	AEC	Mt. Juliet, TN
Wet Chemistry by Method 410.4	WG2369052	1	09/24/24 18:30	09/24/24 22:04	CB	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2368646	1	09/24/24 15:43	09/24/24 15:43	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2366891	1	09/22/24 16:46	09/22/24 16:46	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2366891	10	09/22/24 16:59	09/22/24 16:59	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2373070	1	10/02/24 19:34	10/02/24 19:34	TMH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2368471	1	10/03/24 01:22	10/03/24 22:03	LD	Mt. Juliet, TN

SAMPLE SUMMARY

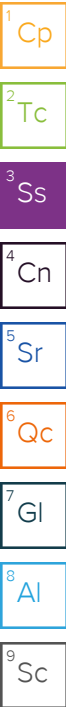
MW-6A L1780128-05 GW

Collected by
Michael Clayton

Collected date/time
09/17/24 17:20

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2367066	1	09/21/24 09:52	09/23/24 12:53	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2368054	1	09/23/24 22:29	09/23/24 22:29	RTW	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2367367	1	09/22/24 10:54	09/22/24 22:02	AEC	Mt. Juliet, TN
Wet Chemistry by Method 410.4	WG2369052	1	09/24/24 18:30	09/24/24 22:04	CB	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2368651	1	09/24/24 16:02	09/24/24 16:02	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2366891	1	09/22/24 17:12	09/22/24 17:12	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2366891	10	09/22/24 17:26	09/22/24 17:26	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2373070	1	10/02/24 19:54	10/02/24 19:54	TMH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2368471	1	10/03/24 01:22	10/03/24 22:06	LD	Mt. Juliet, TN



MW-7 L1780128-06 GW

Collected by
Michael Clayton

Collected date/time
09/18/24 12:30

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2367066	1	09/21/24 09:52	09/23/24 12:53	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2368054	1	09/23/24 21:51	09/23/24 21:51	RTW	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2367367	1	09/22/24 10:54	09/22/24 22:03	AEC	Mt. Juliet, TN
Wet Chemistry by Method 410.4	WG2369055	1	09/24/24 18:40	09/24/24 22:18	CB	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2368646	1	09/24/24 15:45	09/24/24 15:45	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2366891	1	09/22/24 17:39	09/22/24 17:39	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2373070	1	10/02/24 20:14	10/02/24 20:14	TMH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2368471	1	10/03/24 01:22	10/03/24 22:09	LD	Mt. Juliet, TN

MW-8 L1780128-07 GW

Collected by
Michael Clayton

Collected date/time
09/17/24 14:20

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2367067	1	09/21/24 09:54	09/23/24 15:41	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2368054	1	09/23/24 21:52	09/23/24 21:52	RTW	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2367367	1	09/22/24 10:54	09/22/24 22:05	AEC	Mt. Juliet, TN
Wet Chemistry by Method 410.4	WG2369055	1	09/24/24 18:40	09/24/24 22:18	CB	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2368651	1	09/24/24 16:02	09/24/24 16:02	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2366891	1	09/22/24 17:53	09/22/24 17:53	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2373070	1	10/02/24 20:37	10/02/24 20:37	TMH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2368492	1	10/04/24 06:19	10/06/24 23:21	LD	Mt. Juliet, TN

MW-9 L1780128-08 GW

Collected by
Michael Clayton

Collected date/time
09/17/24 15:25

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2367067	1	09/21/24 09:54	09/23/24 15:41	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2368054	1	09/23/24 21:54	09/23/24 21:54	RTW	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2367367	1	09/22/24 10:54	09/22/24 22:09	AEC	Mt. Juliet, TN
Wet Chemistry by Method 410.4	WG2369055	1	09/24/24 18:40	09/24/24 22:19	CB	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2368651	1	09/24/24 16:04	09/24/24 16:04	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2366891	1	09/22/24 18:06	09/22/24 18:06	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2373070	1	10/02/24 20:59	10/02/24 20:59	TMH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2368492	1	10/04/24 06:19	10/06/24 23:24	LD	Mt. Juliet, TN

SAMPLE SUMMARY

MW-10 L1780128-09 GW

Collected by Michael Clayton
Collected date/time 09/17/24 16:20
Received date/time 09/20/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2367067	1	09/21/24 09:54	09/23/24 15:41	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2368054	1	09/23/24 21:55	09/23/24 21:55	RTW	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2367367	1	09/22/24 10:54	09/22/24 22:10	AEC	Mt. Juliet, TN
Wet Chemistry by Method 410.4	WG2369055	1	09/24/24 18:40	09/24/24 22:19	CB	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2368646	1	09/24/24 15:45	09/24/24 15:45	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2366891	1	09/22/24 18:46	09/22/24 18:46	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2369826	1	09/30/24 02:44	09/30/24 02:44	ASH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2368492	1	10/04/24 06:19	10/06/24 23:27	LD	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

LEACHATE L1780128-10 GW

Collected by Michael Clayton
Collected date/time 09/18/24 14:30
Received date/time 09/20/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2367066	1	09/21/24 09:52	09/23/24 12:53	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2368054	100	09/23/24 21:56	09/23/24 21:56	RTW	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2367367	20	09/22/24 10:54	09/22/24 22:24	AEC	Mt. Juliet, TN
Wet Chemistry by Method 410.4	WG2369055	5	09/24/24 18:40	09/24/24 22:20	CB	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2368646	1000	09/24/24 15:53	09/24/24 15:53	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2366891	10	09/22/24 19:00	09/22/24 19:00	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2371990	10	09/30/24 16:38	09/30/24 16:38	ASH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2368492	5	10/04/24 06:19	10/06/24 23:37	LD	Mt. Juliet, TN

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

MW-10 DUP L1780128-11 GW

Collected by Michael Clayton
Collected date/time 09/17/24 16:25
Received date/time 09/20/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2367066	1	09/21/24 09:52	09/23/24 12:53	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2368054	1	09/23/24 21:57	09/23/24 21:57	RTW	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2367367	1	09/22/24 10:54	09/22/24 22:12	AEC	Mt. Juliet, TN
Wet Chemistry by Method 410.4	WG2369055	1	09/24/24 18:40	09/24/24 22:20	CB	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2368646	1	09/24/24 15:53	09/24/24 15:53	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2366891	1	09/22/24 19:13	09/22/24 19:13	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2371990	1	09/30/24 17:22	09/30/24 17:22	ASH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2368492	1	10/04/24 06:19	10/06/24 23:41	LD	Mt. Juliet, TN

FB-1 L1780128-12 GW

Collected by Michael Clayton
Collected date/time 09/18/24 14:00
Received date/time 09/20/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2367067	1	09/21/24 09:54	09/23/24 15:41	MMF	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2368054	1	09/23/24 21:59	09/23/24 21:59	RTW	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2367367	1	09/22/24 10:54	09/22/24 22:14	AEC	Mt. Juliet, TN
Wet Chemistry by Method 410.4	WG2369055	1	09/24/24 18:40	09/24/24 22:20	CB	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2368646	1	09/24/24 15:54	09/24/24 15:54	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2366891	1	09/22/24 19:27	09/22/24 19:27	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2371990	1	09/30/24 18:29	09/30/24 18:29	ASH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2368492	1	10/04/24 06:19	10/06/24 23:44	LD	Mt. Juliet, TN

CASE NARRATIVE

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

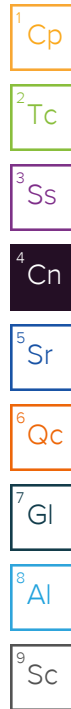


Mark W. Beasley
Project Manager

Sample Delivery Group (SDG) Narrative

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

<u>Lab Sample ID</u>	<u>Project Sample ID</u>	<u>Method</u>
L1780128-04	MW-4A	4500S2 D-2011
L1780128-10	LEACHATE	365.4, 353.2



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	785000		13300	1	09/23/2024 12:53	WG2367066

Wet Chemistry by Method 353.2

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U	J6	50.0	100	1	09/23/2024 22:22	WG2368054

Wet Chemistry by Method 365.4

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Phosphorus,Total	222		35.0	100	1	09/22/2024 21:57	WG2367367

Wet Chemistry by Method 410.4

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
COD	16600	J	11700	20000	1	09/24/2024 22:03	WG2369052

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	09/24/2024 15:41	WG2368646

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	52200	J6	547	1000	1	09/22/2024 14:58	WG2366891
Fluoride	194		76.1	150	1	09/22/2024 14:58	WG2366891
Sulfate	39400	J6	637	5000	1	09/22/2024 14:58	WG2366891

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)	2320		102	1000	1	10/02/2024 17:26	WG2373070

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	4.15		0.180	2.00	1	10/03/2024 21:45	WG2368471
Barium	430		0.381	2.00	1	10/03/2024 21:45	WG2368471
Cadmium	U		0.150	1.00	1	10/03/2024 21:45	WG2368471
Chromium	U		1.24	2.00	1	10/03/2024 21:45	WG2368471
Copper	U		1.51	5.00	1	10/03/2024 21:45	WG2368471
Iron	1530		28.1	100	1	10/03/2024 21:45	WG2368471
Lead	U		0.849	2.00	1	10/03/2024 21:45	WG2368471
Manganese	1840		0.704	5.00	1	10/03/2024 21:45	WG2368471
Nickel	6.78		0.816	2.00	1	10/03/2024 21:45	WG2368471
Potassium	1600	J	108	2000	1	10/03/2024 21:45	WG2368471
Zinc	U		3.02	25.0	1	10/03/2024 21:45	WG2368471

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	1130000		20000	1	09/23/2024 12:53	WG2367066

Wet Chemistry by Method 353.2

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	09/23/2024 22:25	WG2368054

Wet Chemistry by Method 365.4

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Phosphorus, Total	444		35.0	100	1	09/22/2024 21:58	WG2367367

Wet Chemistry by Method 410.4

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
COD	U		11700	20000	1	09/24/2024 22:03	WG2369052

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	09/24/2024 15:42	WG2368646

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	52400	J6	547	1000	1	09/22/2024 15:52	WG2366891
Fluoride	214		76.1	150	1	09/22/2024 15:52	WG2366891
Sulfate	2700	J	637	5000	1	09/22/2024 15:52	WG2366891

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)	2510		102	1000	1	10/02/2024 18:32	WG2373070

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	2.30		0.180	2.00	1	10/03/2024 22:16	WG2368471
Barium	280		0.381	2.00	1	10/03/2024 22:16	WG2368471
Cadmium	U		0.150	1.00	1	10/03/2024 22:16	WG2368471
Chromium	U		1.24	2.00	1	10/03/2024 22:16	WG2368471
Copper	U		1.51	5.00	1	10/03/2024 22:16	WG2368471
Iron	4620		28.1	100	1	10/03/2024 22:16	WG2368471
Lead	U		0.849	2.00	1	10/03/2024 22:16	WG2368471
Manganese	428		0.704	5.00	1	10/03/2024 22:16	WG2368471
Nickel	U		0.816	2.00	1	10/03/2024 22:16	WG2368471
Potassium	2520		108	2000	1	10/03/2024 22:16	WG2368471
Zinc	U		3.02	25.0	1	10/03/2024 22:16	WG2368471

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	677000		10000	1	09/23/2024 12:53	WG2367066

Wet Chemistry by Method 353.2

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	09/23/2024 22:27	WG2368054

Wet Chemistry by Method 365.4

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Phosphorus,Total	665		35.0	100	1	09/22/2024 22:00	WG2367367

Wet Chemistry by Method 410.4

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
COD	11800	J	11700	20000	1	09/24/2024 22:03	WG2369052

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	09/24/2024 15:42	WG2368646

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	14700		547	1000	1	09/22/2024 16:32	WG2366891
Fluoride	198		76.1	150	1	09/22/2024 16:32	WG2366891
Sulfate	148000		637	5000	1	09/22/2024 16:32	WG2366891

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)	2570		102	1000	1	10/02/2024 19:13	WG2373070

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	0.424	J	0.180	2.00	1	10/03/2024 21:59	WG2368471
Barium	356		0.381	2.00	1	10/03/2024 21:59	WG2368471
Cadmium	U		0.150	1.00	1	10/03/2024 21:59	WG2368471
Chromium	U		1.24	2.00	1	10/03/2024 21:59	WG2368471
Copper	U		1.51	5.00	1	10/03/2024 21:59	WG2368471
Iron	7940		28.1	100	1	10/03/2024 21:59	WG2368471
Lead	U		0.849	2.00	1	10/03/2024 21:59	WG2368471
Manganese	842		0.704	5.00	1	10/03/2024 21:59	WG2368471
Nickel	U		0.816	2.00	1	10/03/2024 21:59	WG2368471
Potassium	1680	J	108	2000	1	10/03/2024 21:59	WG2368471
Zinc	U		3.02	25.0	1	10/03/2024 21:59	WG2368471

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	2130000		50000	1	09/23/2024 12:53	WG2367066

Wet Chemistry by Method 353.2

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	09/23/2024 22:28	WG2368054

Wet Chemistry by Method 365.4

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Phosphorus,Total	159		35.0	100	1	09/22/2024 22:01	WG2367367

Wet Chemistry by Method 410.4

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
COD	30000		11700	20000	1	09/24/2024 22:04	WG2369052

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	09/24/2024 15:43	WG2368646

Wet Chemistry by Method 9056A

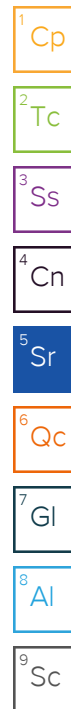
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	62800		547	1000	1	09/22/2024 16:46	WG2366891
Fluoride	320		76.1	150	1	09/22/2024 16:46	WG2366891
Sulfate	576000		6370	50000	10	09/22/2024 16:59	WG2366891

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)	3010		102	1000	1	10/02/2024 19:34	WG2373070

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	7.18		0.180	2.00	1	10/03/2024 22:03	WG2368471
Barium	41.8		0.381	2.00	1	10/03/2024 22:03	WG2368471
Cadmium	U		0.150	1.00	1	10/03/2024 22:03	WG2368471
Chromium	U		1.24	2.00	1	10/03/2024 22:03	WG2368471
Copper	2.45	J	1.51	5.00	1	10/03/2024 22:03	WG2368471
Iron	2460		28.1	100	1	10/03/2024 22:03	WG2368471
Lead	U		0.849	2.00	1	10/03/2024 22:03	WG2368471
Manganese	2580		0.704	5.00	1	10/03/2024 22:03	WG2368471
Nickel	4.02		0.816	2.00	1	10/03/2024 22:03	WG2368471
Potassium	806	J	108	2000	1	10/03/2024 22:03	WG2368471
Zinc	U		3.02	25.0	1	10/03/2024 22:03	WG2368471



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1420000		20000	1	09/23/2024 12:53	WG2367066

Wet Chemistry by Method 353.2

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	09/23/2024 22:29	WG2368054

Wet Chemistry by Method 365.4

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Phosphorus,Total	595		35.0	100	1	09/22/2024 22:02	WG2367367

Wet Chemistry by Method 410.4

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
COD	17900	J	11700	20000	1	09/24/2024 22:04	WG2369052

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	09/24/2024 16:02	WG2368651

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	213000		5470	10000	10	09/22/2024 17:26	WG2366891
Fluoride	242		76.1	150	1	09/22/2024 17:12	WG2366891
Sulfate	330000		6370	50000	10	09/22/2024 17:26	WG2366891

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)	3090		102	1000	1	10/02/2024 19:54	WG2373070

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	2.02		0.180	2.00	1	10/03/2024 22:06	WG2368471
Barium	341		0.381	2.00	1	10/03/2024 22:06	WG2368471
Cadmium	U		0.150	1.00	1	10/03/2024 22:06	WG2368471
Chromium	U		1.24	2.00	1	10/03/2024 22:06	WG2368471
Copper	U		1.51	5.00	1	10/03/2024 22:06	WG2368471
Iron	5150		28.1	100	1	10/03/2024 22:06	WG2368471
Lead	U		0.849	2.00	1	10/03/2024 22:06	WG2368471
Manganese	1560		0.704	5.00	1	10/03/2024 22:06	WG2368471
Nickel	U		0.816	2.00	1	10/03/2024 22:06	WG2368471
Potassium	1920	J	108	2000	1	10/03/2024 22:06	WG2368471
Zinc	U		3.02	25.0	1	10/03/2024 22:06	WG2368471

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	596000		10000	1	09/23/2024 12:53	WG2367066

Wet Chemistry by Method 353.2

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	09/23/2024 21:51	WG2368054

Wet Chemistry by Method 365.4

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Phosphorus,Total	222		35.0	100	1	09/22/2024 22:03	WG2367367

Wet Chemistry by Method 410.4

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
COD	U		11700	20000	1	09/24/2024 22:18	WG2369055

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	09/24/2024 15:45	WG2368646

Wet Chemistry by Method 9056A

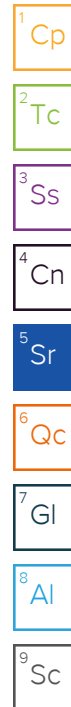
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	21200		547	1000	1	09/22/2024 17:39	WG2366891
Fluoride	289		76.1	150	1	09/22/2024 17:39	WG2366891
Sulfate	101000		637	5000	1	09/22/2024 17:39	WG2366891

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)	1280		102	1000	1	10/02/2024 20:14	WG2373070

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	17.6		0.180	2.00	1	10/03/2024 22:09	WG2368471
Barium	52.9		0.381	2.00	1	10/03/2024 22:09	WG2368471
Cadmium	U		0.150	1.00	1	10/03/2024 22:09	WG2368471
Chromium	U		1.24	2.00	1	10/03/2024 22:09	WG2368471
Copper	U		1.51	5.00	1	10/03/2024 22:09	WG2368471
Iron	2120		28.1	100	1	10/03/2024 22:09	WG2368471
Lead	U		0.849	2.00	1	10/03/2024 22:09	WG2368471
Manganese	890		0.704	5.00	1	10/03/2024 22:09	WG2368471
Nickel	U		0.816	2.00	1	10/03/2024 22:09	WG2368471
Potassium	1280	J	108	2000	1	10/03/2024 22:09	WG2368471
Zinc	U		3.02	25.0	1	10/03/2024 22:09	WG2368471



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	434000		10000	1	09/23/2024 15:41	WG2367067

Wet Chemistry by Method 353.2

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	09/23/2024 21:52	WG2368054

Wet Chemistry by Method 365.4

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Phosphorus,Total	848		35.0	100	1	09/22/2024 22:05	WG2367367

Wet Chemistry by Method 410.4

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
COD	52400		11700	20000	1	09/24/2024 22:18	WG2369055

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	09/24/2024 16:02	WG2368651

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	24700		547	1000	1	09/22/2024 17:53	WG2366891
Fluoride	162		76.1	150	1	09/22/2024 17:53	WG2366891
Sulfate	18500		637	5000	1	09/22/2024 17:53	WG2366891

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)	18600		102	1000	1	10/02/2024 20:37	WG2373070

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	1.83	J	0.180	2.00	1	10/06/2024 23:21	WG2368492
Barium	62.1		0.381	2.00	1	10/06/2024 23:21	WG2368492
Cadmium	U		0.150	1.00	1	10/06/2024 23:21	WG2368492
Chromium	U		1.24	2.00	1	10/06/2024 23:21	WG2368492
Copper	1.58	J	1.51	5.00	1	10/06/2024 23:21	WG2368492
Iron	1510		28.1	100	1	10/06/2024 23:21	WG2368492
Lead	U		0.849	2.00	1	10/06/2024 23:21	WG2368492
Manganese	151		0.704	5.00	1	10/06/2024 23:21	WG2368492
Nickel	2.64		0.816	2.00	1	10/06/2024 23:21	WG2368492
Potassium	2100		108	2000	1	10/06/2024 23:21	WG2368492
Zinc	U		3.02	25.0	1	10/06/2024 23:21	WG2368492

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	544000		10000	1	09/23/2024 15:41	WG2367067

Wet Chemistry by Method 353.2

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	09/23/2024 21:54	WG2368054

Wet Chemistry by Method 365.4

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Phosphorus, Total	536		35.0	100	1	09/22/2024 22:09	WG2367367

Wet Chemistry by Method 410.4

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
COD	U		11700	20000	1	09/24/2024 22:19	WG2369055

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	09/24/2024 16:04	WG2368651

Wet Chemistry by Method 9056A

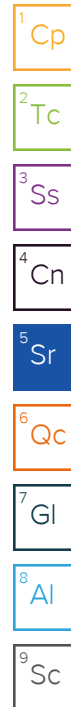
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	22900		547	1000	1	09/22/2024 18:06	WG2366891
Fluoride	511		76.1	150	1	09/22/2024 18:06	WG2366891
Sulfate	92500		637	5000	1	09/22/2024 18:06	WG2366891

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		102	1000	1	10/02/2024 20:59	WG2373070

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	3.44		0.180	2.00	1	10/06/2024 23:24	WG2368492
Barium	78.6		0.381	2.00	1	10/06/2024 23:24	WG2368492
Cadmium	U		0.150	1.00	1	10/06/2024 23:24	WG2368492
Chromium	U		1.24	2.00	1	10/06/2024 23:24	WG2368492
Copper	U		1.51	5.00	1	10/06/2024 23:24	WG2368492
Iron	2260		28.1	100	1	10/06/2024 23:24	WG2368492
Lead	U		0.849	2.00	1	10/06/2024 23:24	WG2368492
Manganese	424		0.704	5.00	1	10/06/2024 23:24	WG2368492
Nickel	U		0.816	2.00	1	10/06/2024 23:24	WG2368492
Potassium	1600	J	108	2000	1	10/06/2024 23:24	WG2368492
Zinc	U		3.02	25.0	1	10/06/2024 23:24	WG2368492



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	640000		10000	1	09/23/2024 15:41	WG2367067

Wet Chemistry by Method 353.2

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	09/23/2024 21:55	WG2368054

Wet Chemistry by Method 365.4

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Phosphorus, Total	772		35.0	100	1	09/22/2024 22:10	WG2367367

Wet Chemistry by Method 410.4

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
COD	11900	J	11700	20000	1	09/24/2024 22:19	WG2369055

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	09/24/2024 15:45	WG2368646

Wet Chemistry by Method 9056A

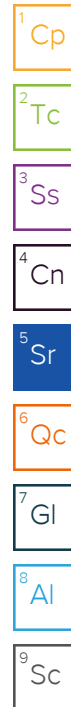
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	34400		547	1000	1	09/22/2024 18:46	WG2366891
Fluoride	235		76.1	150	1	09/22/2024 18:46	WG2366891
Sulfate	100000		637	5000	1	09/22/2024 18:46	WG2366891

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)	1920		102	1000	1	09/30/2024 02:44	WG2369826

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	0.274	J	0.180	2.00	1	10/06/2024 23:27	WG2368492
Barium	243		0.381	2.00	1	10/06/2024 23:27	WG2368492
Cadmium	U		0.150	1.00	1	10/06/2024 23:27	WG2368492
Chromium	U		1.24	2.00	1	10/06/2024 23:27	WG2368492
Copper	U		1.51	5.00	1	10/06/2024 23:27	WG2368492
Iron	3570		28.1	100	1	10/06/2024 23:27	WG2368492
Lead	U		0.849	2.00	1	10/06/2024 23:27	WG2368492
Manganese	389		0.704	5.00	1	10/06/2024 23:27	WG2368492
Nickel	U		0.816	2.00	1	10/06/2024 23:27	WG2368492
Potassium	3520		108	2000	1	10/06/2024 23:27	WG2368492
Zinc	U		3.02	25.0	1	10/06/2024 23:27	WG2368492



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	10200000		200000	1	09/23/2024 12:53	WG2367066

Wet Chemistry by Method 353.2

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		5000	10000	100	09/23/2024 21:56	WG2368054

Sample Narrative:

L1780128-10 WG2368054: Dilution due to matrix

Wet Chemistry by Method 365.4

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Phosphorus,Total	39800		700	2000	20	09/22/2024 22:24	WG2367367

Wet Chemistry by Method 410.4

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
COD	1010000		58500	100000	5	09/24/2024 22:20	WG2369055

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfide	605000		25000	50000	1000	09/24/2024 15:53	WG2368646

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	91800		5470	10000	10	09/22/2024 19:00	WG2366891
Fluoride	U		761	1500	10	09/22/2024 19:00	WG2366891
Sulfate	152000		6370	50000	10	09/22/2024 19:00	WG2366891

Sample Narrative:

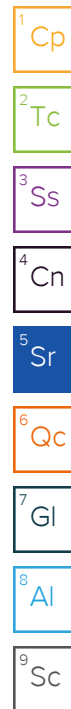
L1780128-10 WG2366891: Dilution due to matrix impact on instrumentation at lower dilution

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)	171000		1020	10000	10	09/30/2024 16:38	WG2371990

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	110		0.900	10.0	5	10/06/2024 23:37	WG2368492
Barium	56.4		1.90	10.0	5	10/06/2024 23:37	WG2368492
Cadmium	U		0.750	5.00	5	10/06/2024 23:37	WG2368492
Chromium	81.0		6.20	10.0	5	10/06/2024 23:37	WG2368492
Copper	7.65	J	7.55	25.0	5	10/06/2024 23:37	WG2368492
Iron	5150		140	500	5	10/06/2024 23:37	WG2368492
Lead	U		4.24	10.0	5	10/06/2024 23:37	WG2368492
Manganese	88.3		3.52	25.0	5	10/06/2024 23:37	WG2368492
Nickel	827		4.08	10.0	5	10/06/2024 23:37	WG2368492



Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Potassium	289000		540	10000	5	10/06/2024 23:37	WG2368492
Zinc	18.3	J	15.1	125	5	10/06/2024 23:37	WG2368492

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	633000		10000	1	09/23/2024 12:53	WG2367066

Wet Chemistry by Method 353.2

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	09/23/2024 21:57	WG2368054

Wet Chemistry by Method 365.4

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Phosphorus,Total	628		35.0	100	1	09/22/2024 22:12	WG2367367

Wet Chemistry by Method 410.4

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
COD	U		11700	20000	1	09/24/2024 22:20	WG2369055

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	09/24/2024 15:53	WG2368646

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	34100		547	1000	1	09/22/2024 19:13	WG2366891
Fluoride	704		76.1	150	1	09/22/2024 19:13	WG2366891
Sulfate	102000		637	5000	1	09/22/2024 19:13	WG2366891

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)	1700		102	1000	1	09/30/2024 17:22	WG2371990

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	0.267	J	0.180	2.00	1	10/06/2024 23:41	WG2368492
Barium	244		0.381	2.00	1	10/06/2024 23:41	WG2368492
Cadmium	U		0.150	1.00	1	10/06/2024 23:41	WG2368492
Chromium	U		1.24	2.00	1	10/06/2024 23:41	WG2368492
Copper	U		1.51	5.00	1	10/06/2024 23:41	WG2368492
Iron	3550		28.1	100	1	10/06/2024 23:41	WG2368492
Lead	U		0.849	2.00	1	10/06/2024 23:41	WG2368492
Manganese	394		0.704	5.00	1	10/06/2024 23:41	WG2368492
Nickel	U		0.816	2.00	1	10/06/2024 23:41	WG2368492
Potassium	3550		108	2000	1	10/06/2024 23:41	WG2368492
Zinc	U		3.02	25.0	1	10/06/2024 23:41	WG2368492

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	09/23/2024 15:41	WG2367067

Wet Chemistry by Method 353.2

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	09/23/2024 21:59	WG2368054

Wet Chemistry by Method 365.4

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Phosphorus,Total	U		35.0	100	1	09/22/2024 22:14	WG2367367

Wet Chemistry by Method 410.4

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
COD	U		11700	20000	1	09/24/2024 22:20	WG2369055

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	09/24/2024 15:54	WG2368646

Wet Chemistry by Method 9056A

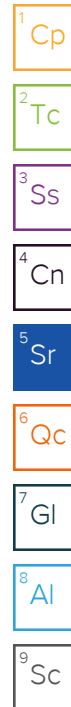
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	U		547	1000	1	09/22/2024 19:27	WG2366891
Fluoride	U		76.1	150	1	09/22/2024 19:27	WG2366891
Sulfate	U		637	5000	1	09/22/2024 19:27	WG2366891

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)	193	B J	102	1000	1	09/30/2024 18:29	WG2371990

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.180	2.00	1	10/06/2024 23:44	WG2368492
Barium	U		0.381	2.00	1	10/06/2024 23:44	WG2368492
Cadmium	U		0.150	1.00	1	10/06/2024 23:44	WG2368492
Chromium	U		1.24	2.00	1	10/06/2024 23:44	WG2368492
Copper	U		1.51	5.00	1	10/06/2024 23:44	WG2368492
Iron	U		28.1	100	1	10/06/2024 23:44	WG2368492
Lead	U		0.849	2.00	1	10/06/2024 23:44	WG2368492
Manganese	U		0.704	5.00	1	10/06/2024 23:44	WG2368492
Nickel	U		0.816	2.00	1	10/06/2024 23:44	WG2368492
Potassium	U		108	2000	1	10/06/2024 23:44	WG2368492
Zinc	U		3.02	25.0	1	10/06/2024 23:44	WG2368492



Method Blank (MB)

(MB) R4124872-1 09/23/24 12:53

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

L1779042-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1779042-07 09/23/24 12:53 • (DUP) R4124872-3 09/23/24 12:53

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Dissolved Solids	568000	587000	1	3.29		10

L1780190-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1780190-03 09/23/24 12:53 • (DUP) R4124872-4 09/23/24 12:53

	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) R4124872-2 09/23/24 12:53

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Dissolved Solids	8800000	8680000	98.6	85.0-115	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4124725-1 09/23/24 15:41

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

L1779956-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1779956-01 09/23/24 15:41 • (DUP) R4124725-3 09/23/24 15:41

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Dissolved Solids	289000	301000	1	4.07		10

L1780280-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1780280-01 09/23/24 15:41 • (DUP) R4124725-4 09/23/24 15:41

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Dissolved Solids	237000	244000	1	2.91		10

Laboratory Control Sample (LCS)

(LCS) R4124725-2 09/23/24 15:41

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Dissolved Solids	8800000	8720000	99.1	85.0-115	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4123290-1 09/23/24 21:19

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Nitrate-Nitrite	U		50.0	100

L1780050-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1780050-03 09/23/24 22:11 • (DUP) R4123290-3 09/23/24 22:13

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Nitrate-Nitrite	3650	3770	1	3.23		20

L1780128-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1780128-01 09/23/24 22:22 • (DUP) R4123290-6 09/23/24 22:23

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Nitrate-Nitrite	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4123290-2 09/23/24 21:20

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Nitrate-Nitrite	2500	2340	93.6	90.0-110	

L1780050-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1780050-03 09/23/24 22:11 • (MS) R4123290-4 09/23/24 22:18 • (MSD) R4123290-5 09/23/24 22:19

	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	%	%		%			%	%
Nitrate-Nitrite	2500	3650	5720	5980	82.8	93.2	1	90.0-110	E J6	E	4.44	20

L1780128-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1780128-01 09/23/24 22:22 • (MS) R4123290-7 09/23/24 22:24

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	ug/l	ug/l	ug/l	%		%	
Nitrate-Nitrite	2500	U	2030	81.2	1	90.0-110	J6

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4123144-1 09/22/24 21:38

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Phosphorus,Total	U		35.0	100

L1780084-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1780084-08 09/22/24 21:44 • (DUP) R4123144-5 09/22/24 21:46

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Phosphorus,Total	61.9	64.5	1	4.11	⌵	20

L1780084-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1780084-09 09/22/24 21:47 • (DUP) R4123144-6 09/22/24 21:48

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Phosphorus,Total	50.2	54.9	1	8.94	⌵	20

Laboratory Control Sample (LCS)

(LCS) R4123144-2 09/22/24 21:39

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Phosphorus,Total	1810	1770	98.1	85.0-115	

L1780084-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1780084-07 09/22/24 21:40 • (MS) R4123144-3 09/22/24 21:42 • (MSD) R4123144-4 09/22/24 21:43

	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	%	%		%			%	%
Phosphorus,Total	2500	120	2580	2510	98.4	95.6	1	90.0-110			2.75	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4123852-1 09/24/24 21:56

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
COD	U		11700	20000

L1779879-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1779879-02 09/24/24 21:59 • (DUP) R4123852-5 09/24/24 21:59

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
COD	60400	60800	1	0.521		20

L1780074-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1780074-06 09/24/24 22:03 • (DUP) R4123852-6 09/24/24 22:03

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
COD	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4123852-2 09/24/24 21:57

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
COD	500000	510000	102	90.0-110	

L1779839-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1779839-05 09/24/24 21:57 • (MS) R4123852-3 09/24/24 21:57 • (MSD) R4123852-4 09/24/24 21:57

	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	%	%		%			%	%
COD	500000	80600	572000	567000	98.4	97.2	1	90.0-110			1.03	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4123855-1 09/24/24 22:17

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
COD	U		11700	20000

L1780128-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1780128-07 09/24/24 22:18 • (DUP) R4123855-5 09/24/24 22:19

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
COD	52400	52700	1	0.506		20

L1780281-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1780281-01 09/24/24 22:22 • (DUP) R4123855-6 09/24/24 22:22

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
COD	31500	31700	1	0.732		20

Laboratory Control Sample (LCS)

(LCS) R4123855-2 09/24/24 22:17

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
COD	500000	518000	104	90.0-110	

L1779939-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1779939-01 09/24/24 22:17 • (MS) R4123855-3 09/24/24 22:18 • (MSD) R4123855-4 09/24/24 22:18

	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	%	%		%			%	%
COD	500000	U	510000	503000	102	101	1	90.0-110			1.37	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4123704-1 09/24/24 15:41

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Sulfide	U		25.0	50.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1780128-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1780128-02 09/24/24 15:42 • (DUP) R4123704-5 09/24/24 15:42

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Sulfide	U	U	1	0.000		20

L1780128-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1780128-03 09/24/24 15:42 • (DUP) R4123704-6 09/24/24 15:42

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Sulfide	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4123704-2 09/24/24 15:41

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Sulfide	500	500	100	85.0-115	

L1780128-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1780128-01 09/24/24 15:41 • (MS) R4123704-3 09/24/24 15:42 • (MSD) R4123704-4 09/24/24 15:42

	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	%	%		%			%	%
Sulfide	500	U	426	430	85.2	86.0	1	80.0-120			0.935	20

Method Blank (MB)

(MB) R4123711-1 09/24/24 16:01

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Sulfide	U		25.0	50.0

L1780128-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1780128-07 09/24/24 16:02 • (DUP) R4123711-5 09/24/24 16:04

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Sulfide	U	U	1	0.000		20

L1780128-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1780128-08 09/24/24 16:04 • (DUP) R4123711-6 09/24/24 16:04

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Sulfide	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4123711-2 09/24/24 16:02

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Sulfide	500	477	95.4	85.0-115	

L1780128-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1780128-05 09/24/24 16:02 • (MS) R4123711-3 09/24/24 16:02 • (MSD) R4123711-4 09/24/24 16:02

	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	%	%		%			%	%
Sulfide	500	U	503	513	101	103	1	80.0-120			1.97	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4125415-1 09/22/24 14:31

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloride	U		547	1000
Fluoride	U		76.1	150
Sulfate	U		637	5000

L1780128-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1780128-01 09/22/24 14:58 • (DUP) R4125415-3 09/22/24 15:12

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	52200	51400	1	1.52		15
Fluoride	194	213	1	9.25		15
Sulfate	39400	38700	1	1.88		15

L1780128-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1780128-02 09/22/24 15:52 • (DUP) R4125415-6 09/22/24 16:05

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	52400	53300	1	1.71		15
Fluoride	214	234	1	8.85		15
Sulfate	2700	2710	1	0.141	U	15

Laboratory Control Sample (LCS)

(LCS) R4125415-2 09/22/24 14:45

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	39200	97.9	80.0-120	
Fluoride	8000	8060	101	80.0-120	
Sulfate	40000	39600	99.0	80.0-120	

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

L1780128-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1780128-01 09/22/24 14:58 • (MS) R4125415-4 09/22/24 15:25 • (MSD) R4125415-5 09/22/24 15:38

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40000	52200	79500	78900	68.4	66.9	1	80.0-120	J6	J6	0.768	15
Fluoride	8000	194	8030	7970	97.9	97.2	1	80.0-120			0.698	15
Sulfate	40000	39400	69300	68700	74.6	73.1	1	80.0-120	J6	J6	0.888	15

L1780128-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1780128-02 09/22/24 15:52 • (MS) R4125415-7 09/22/24 16:19

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40000	52400	81100	71.7	1	80.0-120	J6
Fluoride	8000	214	8120	98.9	1	80.0-120	
Sulfate	40000	2700	40400	94.2	1	80.0-120	

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

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Qc

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Gl

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Al

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Sc

Method Blank (MB)

(MB) R4126522-2 09/29/24 15:23

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
TOC (Total Organic Carbon)	U		102	1000

L1780128-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1780128-09 09/30/24 02:44 • (DUP) R4126522-8 09/30/24 03:03

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	1920	1660	1	14.7		20

Laboratory Control Sample (LCS)

(LCS) R4126522-1 09/29/24 15:06

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
TOC (Total Organic Carbon)	25000	27300	109	85.0-115	

L1779411-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1779411-01 09/29/24 22:36 • (MS) R4126522-6 09/29/24 22:58 • (MSD) R4126522-7 09/29/24 23:20

	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	4390	31800	31700	110	109	1	85.0-115			0.536	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4127091-2 09/30/24 11:53

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
TOC (Total Organic Carbon)	134	⬇	102	1000

L1780282-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1780282-01 09/30/24 22:28 • (DUP) R4127091-8 09/30/24 22:55

	Original Result	DUP Result	Dilution	DUP RPD	DUP RPD Limits
Analyte	ug/l	ug/l		%	%
TOC (Total Organic Carbon)	49700	41100	1	18.7	20

Laboratory Control Sample (LCS)

(LCS) R4127091-1 09/30/24 11:33

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
TOC (Total Organic Carbon)	25000	25800	103	85.0-115	

L1780128-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1780128-12 09/30/24 18:29 • (MS) R4127091-6 09/30/24 18:56 • (MSD) R4127091-7 09/30/24 19:23

	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	193	26700	26800	106	106	1	85.0-115			0.225	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4127822-2 10/02/24 10:18

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
TOC (Total Organic Carbon)	U		102	1000

L1780110-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1780110-18 10/02/24 15:35 • (DUP) R4127822-5 10/02/24 16:01

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	4480	4600	1	2.62		20

L1780128-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1780128-02 10/02/24 18:32 • (DUP) R4127822-8 10/02/24 18:52

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	2510	2380	1	5.23		20

Laboratory Control Sample (LCS)

(LCS) R4127822-1 10/02/24 10:00

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
TOC (Total Organic Carbon)	25000	24000	96.0	85.0-115	

L1780110-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1780110-17 10/02/24 14:26 • (MS) R4127822-3 10/02/24 14:49 • (MSD) R4127822-4 10/02/24 15:12

	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	2680	27100	26900	97.6	96.8	1	85.0-115			0.741	20

L1780128-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1780128-01 10/02/24 17:26 • (MS) R4127822-6 10/02/24 17:48 • (MSD) R4127822-7 10/02/24 18:11

	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	2320	27100	27000	98.9	98.7	1	85.0-115			0.259	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4128161-1 10/03/24 20:34

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Arsenic	U		0.180	2.00
Barium	U		0.381	2.00
Cadmium	U		0.150	1.00
Chromium	U		1.24	2.00
Copper	U		1.51	5.00
Iron	U		28.1	100
Lead	U		0.849	2.00
Manganese	U		0.704	5.00
Nickel	U		0.816	2.00
Potassium	U		108	2000
Zinc	U		3.02	25.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4128161-2 10/03/24 20:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	50.0	48.1	96.2	80.0-120	
Barium	50.0	47.6	95.3	80.0-120	
Cadmium	50.0	52.2	104	80.0-120	
Chromium	50.0	50.5	101	80.0-120	
Copper	50.0	49.2	98.3	80.0-120	
Iron	1000	996	99.6	80.0-120	
Lead	50.0	48.9	97.7	80.0-120	
Manganese	50.0	48.4	96.9	80.0-120	
Nickel	50.0	50.4	101	80.0-120	
Potassium	5000	4970	99.4	80.0-120	
Zinc	50.0	44.0	87.9	80.0-120	

L1780114-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1780114-01 10/03/24 20:40 • (MS) R4128161-4 10/03/24 20:47 • (MSD) R4128161-5 10/03/24 20:50

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	50.0	U	47.7	46.5	95.4	92.9	1	75.0-125			2.65	20
Barium	50.0		85.5	79.5	101	88.9	1	75.0-125			7.33	20
Cadmium	50.0	U	52.3	49.8	105	99.5	1	75.0-125			5.03	20
Chromium	50.0		50.1	48.0	100	96.0	1	75.0-125			4.33	20
Copper	50.0		48.0	45.9	96.0	91.8	1	75.0-125			4.44	20

L1780114-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1780114-01 10/03/24 20:40 • (MS) R4128161-4 10/03/24 20:47 • (MSD) R4128161-5 10/03/24 20:50

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 %
Iron	1000		2170	2100	95.5	88.2	1	75.0-125			3.41	20
Lead	50.0		48.6	46.7	97.2	93.5	1	75.0-125			3.86	20
Manganese	50.0	2650	2640	2570	0.000	0.000	1	75.0-125	V	V	2.77	20
Nickel	50.0	2.35	51.8	50.8	99.0	97.0	1	75.0-125			1.93	20
Potassium	5000		8410	8080	98.1	91.5	1	75.0-125			4.02	20
Zinc	50.0	6.50	56.2	50.5	99.5	88.0	1	75.0-125			10.8	20

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

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Gl

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Al

9
Sc

Method Blank (MB)

(MB) R4129174-1 10/06/24 22:59

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Arsenic	U		0.180	2.00
Barium	U		0.381	2.00
Cadmium	U		0.150	1.00
Chromium	U		1.24	2.00
Copper	U		1.51	5.00
Iron	U		28.1	100
Lead	U		0.849	2.00
Manganese	U		0.704	5.00
Nickel	U		0.816	2.00
Potassium	U		108	2000
Zinc	U		3.02	25.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4129174-2 10/06/24 23:02

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	50.0	51.7	103	80.0-120	
Barium	50.0	50.4	101	80.0-120	
Cadmium	50.0	53.1	106	80.0-120	
Chromium	50.0	53.0	106	80.0-120	
Copper	50.0	50.7	101	80.0-120	
Iron	1000	981	98.1	80.0-120	
Lead	50.0	50.4	101	80.0-120	
Manganese	50.0	51.9	104	80.0-120	
Nickel	50.0	52.0	104	80.0-120	
Potassium	5000	4850	97.0	80.0-120	
Zinc	50.0	51.6	103	80.0-120	

L1780130-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1780130-02 10/06/24 23:05 • (MS) R4129174-4 10/06/24 23:11 • (MSD) R4129174-5 10/06/24 23:15

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	50.0	9.81	61.3	62.0	103	104	1	75.0-125			1.27	20
Barium	50.0	33.1	84.4	85.1	103	104	1	75.0-125			0.787	20
Cadmium	50.0	U	51.0	52.2	102	104	1	75.0-125			2.29	20
Chromium	50.0	U	51.3	51.4	103	103	1	75.0-125			0.290	20
Copper	50.0	U	49.2	48.8	98.5	97.5	1	75.0-125			0.967	20

L1780130-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1780130-02 10/06/24 23:05 • (MS) R4129174-4 10/06/24 23:11 • (MSD) R4129174-5 10/06/24 23:15

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Iron	1000	17500	18500	18500	91.9	92.4	1	75.0-125			0.0277	20
Lead	50.0	U	49.1	49.9	98.2	99.8	1	75.0-125			1.56	20
Manganese	50.0	5420	5520	5290	202	0.000	1	75.0-125	V	V	4.21	20
Nickel	50.0	2.19	52.7	53.6	101	103	1	75.0-125			1.69	20
Potassium	5000	6550	11100	11200	91.5	93.4	1	75.0-125			0.834	20
Zinc	50.0	7.04	55.3	56.4	96.6	98.7	1	75.0-125			1.86	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

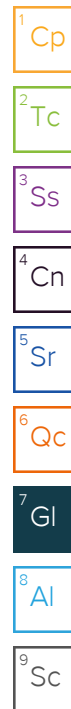
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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

Qualifier	Description
B	The same analyte is found in the associated blank.
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.
V	The sample concentration is too high to evaluate accurate spike recoveries.



ACCREDITATIONS & LOCATIONS

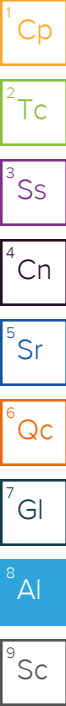
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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



Company Name/Address:

FTN Associa - Little Rock, AR

124 West Sunbridge Dr.

Suite 3

Fayetteville. AR 72703

Report to:

Melissa Vaught

Project Description:

Clearwater Paper Landfill

Phone: 501-920-9642

Client Project #

024-01341

Billing Information:

Accounts Payable

3 Innwood Circle, Suite 220

Little Rock, AR 72211

Email To: mvaught@olsson.com; hlf@ftn-
assoc.com; ajp@ftn-assoc.com

City/State

Collected:

ARKANSAS CITY, AR

Please Circle:

PT MT ET ET

Lab Project #

FTNLRAR-CLEARWATER

Collected by (print):

Michael Clayton

Collected by (signature):



Immediately

Packed on Ice N Y V

Site/Facility ID #

P.O. #

Rush? (Lab MUST Be Notified)

☐ Same Day ☐ Five Day
☐ Next Day ☐ 5 Day (Rad Only)
☐ Two Day ☐ 10 Day (Rad Only)
☐ Three Day

Quote #

Date Results Needed

No.
of
Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
VW-1A	Grab	GW		9/18/24	1100	6
VW-2A		GW		9/17/24	1815	6
VW-3AR		GW		9/17/24	1315	6
VW-4A		GW		9/18/24	1330	6
VW-6A		GW		9/17/24	1720	6
VW-7		GW		9/18/24	1230	6
VW-8		GW		9/17/24	1420	6
VW-9		GW		9/17/24	1525	6
VW-10		GW		9/17/24	1620	6
EACHATE		GW		9/18/24	1430	6

Matrix:

S - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks: *Metals = As, Ba, Cd, Cr, Cu, Fe, K, Mn, Ni, Pb, Zn

pH _____ Temp _____

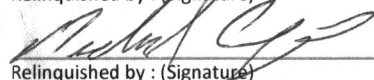
Flow _____ Other _____

Samples returned via:

☐ UPS ☐ FedEx ☐ Courier

Tracking #

Relinquished by: (Signature)



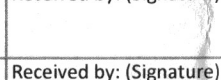
Date:

9/19/24

Time:

1600

Received by: (Signature)



Trip Blank Received: Yes/No

HCL/MeOH
TBR

Temp: °C Bottles Received:



Sample Receipt Checklist

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

If preservation required by Login: Date/Time

Relinquished by: (Signature)



Date:

Time:

Received for lab by: (Signature)



Date:

9/20/24

Time:

905

Hold:

Condition:

NCF / OK

Analysis / Container / Preservative

Chain of Custody

Page 1 of 2



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 #

11780128
G004

Tabl

Acctnum: FTNLRAR

Template: T163833

Prelogin: P1097313

PM: 134 - Mark W. Beasley

PB:

Shipped Via: FedEx Ground

Remarks

Sample # (lab only)

-01
 -02
 -03
 -04
 -05
 -06
 -07
 -08
 -09
 -10

Company Name/Address:

FTN Associa - Little Rock, AR

124 West Sunbridge Dr.

Suite 3

Fayetteville, AR 72703

Report to:

Melissa Vaught

Project Description:

Clearwater Paper Landfill

Phone: 501-920-9642

Client Project #

024-01341

Collected by (print):

Mike Hartz Clayton

Collected by (signature):

Michael G. J. S.

Immediately

Packed on Ice N Y

City/State

Collected:

Arkansas City AR

Please Circle:

PT MT CT ET

Lab Project #

FTNLRAR-CLEARWATER

P.O. #

Quote #

Date Results Needed

No.
of
Cntrs

Sample ID

Comp/Grab

Matrix *

Depth

Date

Time

VW-10 DUP

B-1

Gne's
↓

GW

9/17/24 1625

6

GW

9/18/24 1400

6

GW

6

GW

6

Matrix:

IS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks: *Metals = As, Ba, Cd, Cr, Cu, Fe, K, Mn, Ni, Pb, Zn

pH Temp

Flow Other

Samples returned via:

UPS FedEx Courier

Tracking #

Relinquished by: (Signature)

Michael G. J. S.

Date:

9/19/24

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:

72

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: 9.20.24

Time:

0900

Hold:

Condition:

NCF / OK

Analysis / Container / Preservative

Chain of Custody

Page 2 of 2



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 #

L1780128

Table #

Acctnum: FTNLRAR

Template: T163833

Prelogin: P1097313

PM: 134 - Mark W. Beasley

PB:

Shipped Via: FedEX Ground

Remarks

Sample # (lab only)

-11
-12

Sample Receipt Checklist

COC Seal Present/Intact: NP ☒ Y ☐ N
 COC Signed/Accurate: ☒ Y ☐ N
 Bottles arrive intact: ☒ Y ☐ N
 Correct bottles used: ☒ Y ☐ N
 Sufficient volume sent: ☒ Y ☐ N

If Applicable

VOA Zero HeadSpace: ☒ Y ☐ N
 Preservation Correct/Checked: ☒ Y ☐ N
 RAD Screen <0.5 mR/hr: ☒ Y ☐ N

If preservation required by Login: Date/Time

