

Haley Griffith (adpce.ad)

From: Katie Ingram <Katie.Ingram@pacelabs.com>
Sent: Wednesday, October 2, 2024 8:33 AM
To: EE GW Reports; Jaros, David G.
Subject: Terracon Report for Georgia Pacific-Crossett Facility L1737102
Attachments: L1737102.pdf

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Please find attached the report for the Georgia Pacific-Crossett Facility, L1737102.

Thank you,

Katie Ingram

Project Coordinator - Pace National

615.773.9719 | katie.ingram@pacelabs.com

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Terracon - Little Rock, AR

Sample Delivery Group: L1737102
Samples Received: 05/16/2024
Project Number:
Description: Georgia Pacific-Crossett Facility

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

Entire Report Reviewed By:



Katie Ingram
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 L1737102-01 GW

				Collected by Wes Williams	Collected date/time 05/15/24 10:42	Received date/time 05/16/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2289650	1	05/20/24 11:52	05/21/24 16:46	DLS	Mt. Juliet, TN
Wet Chemistry by Method 1664A	WG2290069	1	05/20/24 15:53	05/20/24 23:33	DAL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2287450	1	05/17/24 03:44	05/17/24 03:44	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2287450	10	05/17/24 08:52	05/17/24 08:52	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2291464	1	05/22/24 23:21	05/22/24 23:21	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2290575	1	05/23/24 10:10	05/23/24 13:43	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2288112	1	05/17/24 11:37	05/17/24 11:37	DYW	Mt. Juliet, TN

MW-3 L1737102-02 GW

				Collected by Wes Williams	Collected date/time 05/15/24 12:41	Received date/time 05/16/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2289650	1	05/20/24 11:52	05/21/24 16:46	DLS	Mt. Juliet, TN
Wet Chemistry by Method 1664A	WG2290069	1	05/20/24 15:53	05/20/24 23:33	DAL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2287450	10	05/17/24 03:57	05/17/24 03:57	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2287450	100	05/17/24 09:04	05/17/24 09:04	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2291464	1	05/22/24 23:40	05/22/24 23:40	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2290575	1	05/23/24 10:10	05/23/24 13:44	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2288112	1	05/17/24 11:58	05/17/24 11:58	DYW	Mt. Juliet, TN

MW-4 L1737102-03 GW

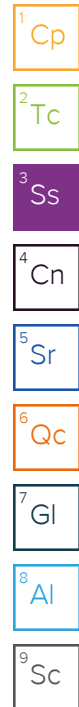
				Collected by Wes Williams	Collected date/time 05/15/24 13:25	Received date/time 05/16/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2289650	1	05/20/24 11:52	05/21/24 16:46	DLS	Mt. Juliet, TN
Wet Chemistry by Method 1664A	WG2290069	1	05/20/24 15:53	05/20/24 23:33	DAL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2287450	10	05/17/24 04:10	05/17/24 04:10	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2287450	100	05/17/24 09:17	05/17/24 09:17	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2291464	1	05/23/24 00:06	05/23/24 00:06	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2290575	1	05/23/24 10:10	05/23/24 13:46	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2288112	1	05/17/24 12:20	05/17/24 12:20	DYW	Mt. Juliet, TN

MW-5 L1737102-04 GW

				Collected by Wes Williams	Collected date/time 05/15/24 12:15	Received date/time 05/16/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2289650	1	05/20/24 11:52	05/21/24 16:46	DLS	Mt. Juliet, TN
Wet Chemistry by Method 1664A	WG2290069	1	05/20/24 15:53	05/20/24 23:33	DAL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2287867	1	05/17/24 14:40	05/17/24 14:40	ERP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2287867	10	05/17/24 21:56	05/17/24 21:56	ERP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2291464	1	05/23/24 00:25	05/23/24 00:25	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2290575	1	05/23/24 10:10	05/23/24 13:26	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2288112	1	05/17/24 12:41	05/17/24 12:41	DYW	Mt. Juliet, TN

MW-6 L1737102-05 GW

				Collected by Wes Williams	Collected date/time 05/15/24 11:30	Received date/time 05/16/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2289650	1	05/20/24 11:52	05/21/24 16:46	DLS	Mt. Juliet, TN
Wet Chemistry by Method 1664A	WG2290069	1	05/20/24 15:53	05/20/24 23:33	DAL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2287867	1	05/17/24 14:58	05/17/24 14:58	ERP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2291464	1	05/23/24 00:42	05/23/24 00:42	ASH	Mt. Juliet, TN



SAMPLE SUMMARY

MW-6 L1737102-05 GW

				Collected by Wes Williams	Collected date/time 05/15/24 11:30	Received date/time 05/16/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG2290575	1	05/23/24 10:10	05/23/24 13:48	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2288112	1	05/17/24 13:02	05/17/24 13:02	DYW	Mt. Juliet, TN

MW-7 L1737102-06 GW

				Collected by Wes Williams	Collected date/time 05/15/24 10:43	Received date/time 05/16/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2289650	1	05/20/24 11:52	05/21/24 16:46	DLS	Mt. Juliet, TN
Wet Chemistry by Method 1664A	WG2290071	1	05/20/24 15:55	05/20/24 23:28	DAL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2287450	1	05/17/24 04:23	05/17/24 04:23	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2297548	1	06/05/24 07:34	06/05/24 07:34	JDG	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2291464	1	05/23/24 01:40	05/23/24 01:40	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2290575	1	05/23/24 10:10	05/23/24 13:49	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2288112	1	05/17/24 13:23	05/17/24 13:23	DYW	Mt. Juliet, TN

DUPE L1737102-07 GW

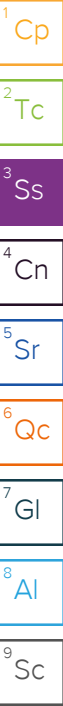
				Collected by Wes Williams	Collected date/time 05/15/24 12:45	Received date/time 05/16/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2289650	1	05/20/24 11:52	05/21/24 16:46	DLS	Mt. Juliet, TN
Wet Chemistry by Method 1664A	WG2290071	1	05/20/24 15:55	05/20/24 23:28	DAL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2287936	1	05/17/24 11:25	05/17/24 11:25	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2287936	10	05/17/24 11:41	05/17/24 11:41	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2291464	1	05/23/24 02:15	05/23/24 02:15	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2290575	1	05/23/24 10:10	05/23/24 13:51	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2288112	1	05/17/24 13:45	05/17/24 13:45	DYW	Mt. Juliet, TN

FIELD BLANK L1737102-08 GW

				Collected by Wes Williams	Collected date/time 05/15/24 12:55	Received date/time 05/16/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2289650	1	05/20/24 11:52	05/21/24 16:46	DLS	Mt. Juliet, TN
Wet Chemistry by Method 1664A	WG2290071	1	05/20/24 15:55	05/20/24 23:28	DAL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2287936	1	05/17/24 12:13	05/17/24 12:13	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2291464	1	05/23/24 02:33	05/23/24 02:33	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2290575	1	05/23/24 10:10	05/23/24 13:53	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2288112	1	05/17/24 10:33	05/17/24 10:33	DYW	Mt. Juliet, TN

MW-8 L1737102-09 GW

				Collected by Wes Williams	Collected date/time 05/15/24 11:45	Received date/time 05/16/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2289650	1	05/20/24 11:52	05/21/24 16:46	DLS	Mt. Juliet, TN
Wet Chemistry by Method 1664A	WG2290071	1	05/20/24 15:55	05/20/24 23:28	DAL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2287867	1	05/17/24 15:16	05/17/24 15:16	ERP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2287867	1	05/17/24 22:32	05/17/24 22:32	ERP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2291464	1	05/23/24 02:50	05/23/24 02:50	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2290575	1	05/23/24 10:10	05/23/24 13:54	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2288112	1	05/17/24 14:06	05/17/24 14:06	DYW	Mt. Juliet, TN



SAMPLE SUMMARY

MW-9 L1737102-10 GW

Collected by
Wes Williams

Collected date/time
05/15/24 14:03

Received date/time
05/16/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2289650	1	05/20/24 11:52	05/21/24 16:46	DLS	Mt. Juliet, TN
Wet Chemistry by Method 1664A	WG2290071	1	05/20/24 15:55	05/20/24 23:28	DAL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2287936	1	05/17/24 12:29	05/17/24 12:29	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2287936	10	05/17/24 12:45	05/17/24 12:45	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2291464	1	05/23/24 03:09	05/23/24 03:09	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2290575	1	05/23/24 10:10	05/23/24 13:56	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2288112	1	05/17/24 14:27	05/17/24 14:27	DYW	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

EQUIPMENT BLANK L1737102-11 GW

Collected by
Wes Williams

Collected date/time
05/15/24 13:05

Received date/time
05/16/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2288112	1	05/17/24 11:16	05/17/24 11:16	DYW	Mt. Juliet, TN

TRIP BLANK L1737102-12 GW

Collected by
Wes Williams

Collected date/time
05/15/24 00:00

Received date/time
05/16/24 09:00

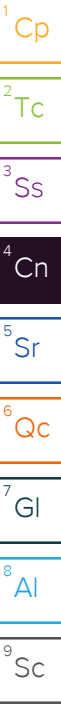
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2288112	1	05/17/24 10:12	05/17/24 10:12	DYW	Mt. Juliet, TN

CASE NARRATIVE

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



Katie Ingram
Project Manager



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Dissolved Solids	2260000		50000	1	05/21/2024 16:46	WG2289650

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Wet Chemistry by Method 1664A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH - Oil & Grease	U		884	6100	1	05/20/2024 23:33	WG2290069

Sample Narrative:

L1737102-01 WG2290069: 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	847000		3790	10000	10	05/17/2024 08:52	WG2287450
Fluoride	202	B	64.0	150	1	05/17/2024 03:44	WG2287450
Nitrate	281		48.0	100	1	05/17/2024 03:44	WG2287450
Sulfate	385000		5940	50000	10	05/17/2024 08:52	WG2287450

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)	1270	B	102	1000	1	05/22/2024 23:21	WG2291464

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	05/23/2024 13:43	WG2290575
Barium	66.3		0.736	5.00	1	05/23/2024 13:43	WG2290575
Chromium	5.41	J	1.40	10.0	1	05/23/2024 13:43	WG2290575
Iron	25.3	J	18.0	100	1	05/23/2024 13:43	WG2290575
Lead	U		2.99	6.00	1	05/23/2024 13:43	WG2290575
Manganese	1.66	J	0.934	10.0	1	05/23/2024 13:43	WG2290575
Zinc	U		6.52	50.0	1	05/23/2024 13:43	WG2290575

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	05/17/2024 11:37	WG2288112
(S) Toluene-d8	97.8			80.0-120		05/17/2024 11:37	WG2288112
(S) 4-Bromofluorobenzene	103			77.0-126		05/17/2024 11:37	WG2288112
(S) 1,2-Dichloroethane-d4	122			70.0-130		05/17/2024 11:37	WG2288112

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Dissolved Solids	3660000		100000	1	05/21/2024 16:46	WG2289650

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Wet Chemistry by Method 1664A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH - Oil & Grease	U		806	5560	1	05/20/2024 23:33	WG2290069

Sample Narrative:

L1737102-02 WG2290069: 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	1130000		3790	10000	10	05/17/2024 03:57	WG2287450
Fluoride	780	B J	640	1500	10	05/17/2024 03:57	WG2287450
Nitrate	U		480	1000	10	05/17/2024 03:57	WG2287450
Sulfate	1080000		59400	500000	100	05/17/2024 09:04	WG2287450

Sample Narrative:

L1737102-02 WG2287450: dilution due to high CL/SO4 hits

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)	2680		102	1000	1	05/22/2024 23:40	WG2291464

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	05/23/2024 13:44	WG2290575
Barium	24.8		0.736	5.00	1	05/23/2024 13:44	WG2290575
Chromium	1.97	J	1.40	10.0	1	05/23/2024 13:44	WG2290575
Iron	208		18.0	100	1	05/23/2024 13:44	WG2290575
Lead	U		2.99	6.00	1	05/23/2024 13:44	WG2290575
Manganese	178		0.934	10.0	1	05/23/2024 13:44	WG2290575
Zinc	12.9	J	6.52	50.0	1	05/23/2024 13:44	WG2290575

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	05/17/2024 11:58	WG2288112
(S) Toluene-d8	101			80.0-120		05/17/2024 11:58	WG2288112
(S) 4-Bromofluorobenzene	110			77.0-126		05/17/2024 11:58	WG2288112
(S) 1,2-Dichloroethane-d4	120			70.0-130		05/17/2024 11:58	WG2288112

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4350000		100000	1	05/21/2024 16:46	WG2289650

1
Cp

2
Tc

Wet Chemistry by Method 1664A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH - Oil & Grease	1330	J	806	5560	1	05/20/2024 23:33	WG2290069

3
Ss

4
Cn

Sample Narrative:

L1737102-03 WG2290069: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

5
Sr

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	1250000		3790	10000	10	05/17/2024 04:10	WG2287450
Fluoride	817	B J	640	1500	10	05/17/2024 04:10	WG2287450
Nitrate	U		480	1000	10	05/17/2024 04:10	WG2287450
Sulfate	1440000		59400	500000	100	05/17/2024 09:17	WG2287450

6
Qc

7
Gl

8
Al

Sample Narrative:

L1737102-03 WG2287450: dilution due to high CL/SO4 hits

9
Sc

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)	848	B J	102	1000	1	05/23/2024 00:06	WG2291464

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	05/23/2024 13:46	WG2290575
Barium	12.0	B	0.736	5.00	1	05/23/2024 13:46	WG2290575
Chromium	1.54	J	1.40	10.0	1	05/23/2024 13:46	WG2290575
Iron	25.5	J	18.0	100	1	05/23/2024 13:46	WG2290575
Lead	U		2.99	6.00	1	05/23/2024 13:46	WG2290575
Manganese	2.77	J	0.934	10.0	1	05/23/2024 13:46	WG2290575
Zinc	12.5	J	6.52	50.0	1	05/23/2024 13:46	WG2290575

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	05/17/2024 12:20	WG2288112
(S) Toluene-d8	101			80.0-120		05/17/2024 12:20	WG2288112
(S) 4-Bromofluorobenzene	109			77.0-126		05/17/2024 12:20	WG2288112
(S) 1,2-Dichloroethane-d4	120			70.0-130		05/17/2024 12:20	WG2288112

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	05/21/2024 16:46	WG2289650

Wet Chemistry by Method 1664A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH - Oil & Grease	U		853	5880	1	05/20/2024 23:33	WG2290069

Sample Narrative:

L1737102-04 WG2290069: 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	613000		3790	10000	10	05/17/2024 21:56	WG2287867
Fluoride	214		64.0	150	1	05/17/2024 14:40	WG2287867
Nitrate	U	Q	48.0	100	1	05/17/2024 14:40	WG2287867
Sulfate	632000		5940	50000	10	05/17/2024 21:56	WG2287867

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)	3160		102	1000	1	05/23/2024 00:25	WG2291464

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	05/23/2024 13:26	WG2290575
Barium	23.9		0.736	5.00	1	05/23/2024 13:26	WG2290575
Chromium	U		1.40	10.0	1	05/23/2024 13:26	WG2290575
Iron	26.9	J	18.0	100	1	05/23/2024 13:26	WG2290575
Lead	U		2.99	6.00	1	05/23/2024 13:26	WG2290575
Manganese	162		0.934	10.0	1	05/23/2024 13:26	WG2290575
Zinc	19.9	J	6.52	50.0	1	05/23/2024 13:26	WG2290575

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	05/17/2024 12:41	WG2288112
(S) Toluene-d8	95.8			80.0-120		05/17/2024 12:41	WG2288112
(S) 4-Bromofluorobenzene	106			77.0-126		05/17/2024 12:41	WG2288112
(S) 1,2-Dichloroethane-d4	123			70.0-130		05/17/2024 12:41	WG2288112

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	200000		10000	1	05/21/2024 16:46	WG2289650

Wet Chemistry by Method 1664A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH - Oil & Grease	U		853	5880	1	05/20/2024 23:33	WG2290069

Sample Narrative:
L1737102-05 WG2290069: 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	18800		379	1000	1	05/17/2024 14:58	WG2287867
Fluoride	U		64.0	150	1	05/17/2024 14:58	WG2287867
Nitrate	U	Q	48.0	100	1	05/17/2024 14:58	WG2287867
Sulfate	79600		594	5000	1	05/17/2024 14:58	WG2287867

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)	1370	B	102	1000	1	05/23/2024 00:42	WG2291464

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	05/23/2024 13:48	WG2290575
Barium	22.1		0.736	5.00	1	05/23/2024 13:48	WG2290575
Chromium	U		1.40	10.0	1	05/23/2024 13:48	WG2290575
Iron	31.4	J	18.0	100	1	05/23/2024 13:48	WG2290575
Lead	U		2.99	6.00	1	05/23/2024 13:48	WG2290575
Manganese	77.8		0.934	10.0	1	05/23/2024 13:48	WG2290575
Zinc	U		6.52	50.0	1	05/23/2024 13:48	WG2290575

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	05/17/2024 13:02	WG2288112
(S) Toluene-d8	95.5			80.0-120		05/17/2024 13:02	WG2288112
(S) 4-Bromofluorobenzene	109			77.0-126		05/17/2024 13:02	WG2288112
(S) 1,2-Dichloroethane-d4	123			70.0-130		05/17/2024 13:02	WG2288112

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	256000		10000	1	05/21/2024 16:46	WG2289650

1
Cp

2
Tc

Wet Chemistry by Method 1664A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH - Oil & Grease	U		853	5880	1	05/20/2024 23:28	WG2290071

3
Ss

4
Cn

Sample Narrative:

L1737102-06 WG2290071: Total Oil&Grease is non-detect. Extract was not processed through silica gel.

5
Sr

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	68900		379	1000	1	05/17/2024 04:23	WG2287450
Fluoride	79.8	B J	64.0	150	1	05/17/2024 04:23	WG2287450
Nitrate	U		48.0	100	1	05/17/2024 04:23	WG2287450
Sulfate	58300	J6	594	5000	1	06/05/2024 07:34	WG2297548

6
Qc

7
Gl

8
Al

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)	1100	B	102	1000	1	05/23/2024 01:40	WG2291464

9
Sc

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	05/23/2024 13:49	WG2290575
Barium	40.6		0.736	5.00	1	05/23/2024 13:49	WG2290575
Chromium	3.78	J	1.40	10.0	1	05/23/2024 13:49	WG2290575
Iron	21.4	J	18.0	100	1	05/23/2024 13:49	WG2290575
Lead	U		2.99	6.00	1	05/23/2024 13:49	WG2290575
Manganese	142		0.934	10.0	1	05/23/2024 13:49	WG2290575
Zinc	U		6.52	50.0	1	05/23/2024 13:49	WG2290575

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	05/17/2024 13:23	WG2288112
(S) Toluene-d8	101			80.0-120		05/17/2024 13:23	WG2288112
(S) 4-Bromofluorobenzene	107			77.0-126		05/17/2024 13:23	WG2288112
(S) 1,2-Dichloroethane-d4	117			70.0-130		05/17/2024 13:23	WG2288112

Gravimetric Analysis by Method 2540 C-2011

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l		date / time	
Dissolved Solids	3580000		100000	1	05/21/2024 16:46	WG2289650

Wet Chemistry by Method 1664A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
TPH - Oil & Grease	U		806	5560	1	05/20/2024 23:28	WG2290071

Sample Narrative:
L1737102-07 WG2290071: 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	1130000		3790	10000	10	05/17/2024 11:41	WG2287936
Fluoride	230		64.0	150	1	05/17/2024 11:25	WG2287936
Nitrate	U		48.0	100	1	05/17/2024 11:25	WG2287936
Sulfate	1130000		5940	50000	10	05/17/2024 11:41	WG2287936

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)	2220		102	1000	1	05/23/2024 02:15	WG2291464

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	05/23/2024 13:51	WG2290575
Barium	24.7		0.736	5.00	1	05/23/2024 13:51	WG2290575
Chromium	1.53	J	1.40	10.0	1	05/23/2024 13:51	WG2290575
Iron	208		18.0	100	1	05/23/2024 13:51	WG2290575
Lead	3.92	J	2.99	6.00	1	05/23/2024 13:51	WG2290575
Manganese	180		0.934	10.0	1	05/23/2024 13:51	WG2290575
Zinc	13.4	J	6.52	50.0	1	05/23/2024 13:51	WG2290575

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	05/17/2024 13:45	WG2288112
(S) Toluene-d8	95.8			80.0-120		05/17/2024 13:45	WG2288112
(S) 4-Bromofluorobenzene	104			77.0-126		05/17/2024 13:45	WG2288112
(S) 1,2-Dichloroethane-d4	125			70.0-130		05/17/2024 13:45	WG2288112

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	ND		10000	1	05/21/2024 16:46	WG2289650

Wet Chemistry by Method 1664A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPH - Oil & Grease	U		884	6100	1	05/20/2024 23:28	WG2290071

Sample Narrative:
L1737102-08 WG2290071: 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	517	J	379	1000	1	05/17/2024 12:13	WG2287936
Fluoride	U		64.0	150	1	05/17/2024 12:13	WG2287936
Nitrate	76.0	J	48.0	100	1	05/17/2024 12:13	WG2287936
Sulfate	U		594	5000	1	05/17/2024 12:13	WG2287936

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)	332	B J	102	1000	1	05/23/2024 02:33	WG2291464

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	05/23/2024 13:53	WG2290575
Barium	U		0.736	5.00	1	05/23/2024 13:53	WG2290575
Chromium	U		1.40	10.0	1	05/23/2024 13:53	WG2290575
Iron	U		18.0	100	1	05/23/2024 13:53	WG2290575
Lead	U		2.99	6.00	1	05/23/2024 13:53	WG2290575
Manganese	U		0.934	10.0	1	05/23/2024 13:53	WG2290575
Zinc	U		6.52	50.0	1	05/23/2024 13:53	WG2290575

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	05/17/2024 10:33	WG2288112
(S) Toluene-d8	98.5			80.0-120		05/17/2024 10:33	WG2288112
(S) 4-Bromofluorobenzene	104			77.0-126		05/17/2024 10:33	WG2288112
(S) 1,2-Dichloroethane-d4	120			70.0-130		05/17/2024 10:33	WG2288112

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	2080000		50000	1	05/21/2024 16:46	WG2289650

Wet Chemistry by Method 1664A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH - Oil & Grease	U		863	5950	1	05/20/2024 23:28	WG2290071

Sample Narrative:

L1737102-09 WG2290071: 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	82700		379	1000	1	05/17/2024 22:32	WG2287867
Fluoride	295		64.0	150	1	05/17/2024 15:16	WG2287867
Nitrate	U	Q	48.0	100	1	05/17/2024 15:16	WG2287867
Sulfate	30700		594	5000	1	05/17/2024 22:32	WG2287867

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)	2270		102	1000	1	05/23/2024 02:50	WG2291464

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	05/23/2024 13:54	WG2290575
Barium	99.5		0.736	5.00	1	05/23/2024 13:54	WG2290575
Chromium	1.60	J	1.40	10.0	1	05/23/2024 13:54	WG2290575
Iron	50.7	J	18.0	100	1	05/23/2024 13:54	WG2290575
Lead	U		2.99	6.00	1	05/23/2024 13:54	WG2290575
Manganese	66.3		0.934	10.0	1	05/23/2024 13:54	WG2290575
Zinc	10.6	J	6.52	50.0	1	05/23/2024 13:54	WG2290575

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	05/17/2024 14:06	WG2288112
(S) Toluene-d8	95.6			80.0-120		05/17/2024 14:06	WG2288112
(S) 4-Bromofluorobenzene	103			77.0-126		05/17/2024 14:06	WG2288112
(S) 1,2-Dichloroethane-d4	122			70.0-130		05/17/2024 14:06	WG2288112

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	2190000		50000	1	05/21/2024 16:46	WG2289650

Wet Chemistry by Method 1664A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPH - Oil & Grease	U		853	5880	1	05/20/2024 23:28	WG2290071

Sample Narrative:
L1737102-10 WG2290071: 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	881000		3790	10000	10	05/17/2024 12:45	WG2287936
Fluoride	207		64.0	150	1	05/17/2024 12:29	WG2287936
Nitrate	U		48.0	100	1	05/17/2024 12:29	WG2287936
Sulfate	441000		5940	50000	10	05/17/2024 12:45	WG2287936

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)	606	B J	102	1000	1	05/23/2024 03:09	WG2291464

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	05/23/2024 13:56	WG2290575
Barium	64.9		0.736	5.00	1	05/23/2024 13:56	WG2290575
Chromium	U		1.40	10.0	1	05/23/2024 13:56	WG2290575
Iron	164		18.0	100	1	05/23/2024 13:56	WG2290575
Lead	U		2.99	6.00	1	05/23/2024 13:56	WG2290575
Manganese	351		0.934	10.0	1	05/23/2024 13:56	WG2290575
Zinc	10.3	J	6.52	50.0	1	05/23/2024 13:56	WG2290575

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	05/17/2024 14:27	WG2288112
(S) Toluene-d8	98.4			80.0-120		05/17/2024 14:27	WG2288112
(S) 4-Bromofluorobenzene	104			77.0-126		05/17/2024 14:27	WG2288112
(S) 1,2-Dichloroethane-d4	118			70.0-130		05/17/2024 14:27	WG2288112

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	05/17/2024 11:16	WG2288112
(S) Toluene-d8	100			80.0-120		05/17/2024 11:16	WG2288112
(S) 4-Bromofluorobenzene	107			77.0-126		05/17/2024 11:16	WG2288112
(S) 1,2-Dichloroethane-d4	123			70.0-130		05/17/2024 11:16	WG2288112

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	05/17/2024 10:12	WG2288112
(S) Toluene-d8	99.8			80.0-120		05/17/2024 10:12	WG2288112
(S) 4-Bromofluorobenzene	103			77.0-126		05/17/2024 10:12	WG2288112
(S) 1,2-Dichloroethane-d4	122			70.0-130		05/17/2024 10:12	WG2288112

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4074016-1 05/21/24 16:46

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

L1737126-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1737126-15 05/21/24 16:46 • (DUP) R4074016-3 05/21/24 16:46

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Dissolved Solids	29000	34000	1	15.9	P1	10

L1737141-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1737141-04 05/21/24 16:46 • (DUP) R4074016-4 05/21/24 16:46

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Dissolved Solids	619000	621000	1	0.323		10

Laboratory Control Sample (LCS)

(LCS) R4074016-2 05/21/24 16:46

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Dissolved Solids	8800000	8780000	99.8	85.0-115	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4071944-1 05/20/24 23:33

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TPH - Oil & Grease	U		725	5000

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

(LCS) R4071944-2 05/20/24 23:33 • (LCSD) R4071944-3 05/20/24 23:33

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 %
TPH - Oil & Grease	40000	40700	40200	102	101	64.0-132			1.24	34

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4071943-1 05/20/24 23:28

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TPH - Oil & Grease	U		725	5000

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

(LCS) R4071943-2 05/20/24 23:28 • (LCSD) R4071943-3 05/20/24 23:28

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 %
TPH - Oil & Grease	40000	37100	36300	92.8	90.8	64.0-132			2.18	34

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4072756-1 05/16/24 11:18

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Chloride	U		379	1000
Fluoride	70.3	J	64.0	150
Nitrate	U		48.0	100
Sulfate	U		594	5000

L1736788-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1736788-01 05/17/24 02:15 • (DUP) R4072756-3 05/17/24 02:27

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	11700	11700	1	0.00256		15
Fluoride	525	756	1	36.1	J3	15
Nitrate	105	U	1	200	P1	15
Sulfate	7910	7800	1	1.39		15

L1737141-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1737141-01 05/17/24 06:18 • (DUP) R4072756-6 05/17/24 06:31

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	52200	51400	1	1.45		15
Fluoride	110	198	1	57.4	P1	15
Nitrate	290	247	1	16.1	P1	15

Laboratory Control Sample (LCS)

(LCS) R4072756-2 05/16/24 11:31

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Chloride	40000	38700	96.6	80.0-120	
Fluoride	8000	7880	98.5	80.0-120	
Nitrate	8000	7720	96.5	80.0-120	
Sulfate	40000	41400	104	80.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1736788-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1736788-01 05/17/24 02:15 • (MS) R4072756-4 05/17/24 02:40 • (MSD) R4072756-5 05/17/24 02:53

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	11700	50300	49800	96.4	95.2	1	80.0-120			0.957	15
Fluoride	8000	525	7570	8950	88.0	105	1	80.0-120	J3		16.8	15
Nitrate	8000	105	8730	8570	108	106	1	80.0-120			1.90	15

L1737141-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1737141-01 05/17/24 06:18 • (MS) R4072756-7 05/17/24 06:44

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40000	52200	80600	71.0	1	80.0-120	J6
Fluoride	8000	110	7030	86.5	1	80.0-120	
Nitrate	8000	290	8570	103	1	80.0-120	

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4072349-1 05/16/24 15:30

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Chloride	U		379	1000
Fluoride	U		64.0	150
Nitrate	U		48.0	100
Sulfate	U		594	5000

L1737001-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1737001-06 05/17/24 09:35 • (DUP) R4072349-3 05/17/24 09:53

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	50000	49900	1	0.0903		15
Fluoride	434	420	1	3.23		15
Nitrate	6890	6870	1	0.228		15
Sulfate	54300	54300	1	0.0499		15

L1737016-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1737016-05 05/17/24 12:53 • (DUP) R4072349-6 05/17/24 13:11

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	5910	5810	1	1.62		15
Fluoride	76.4	U	1	200	P1	15
Nitrate	1690	1690	1	0.195		15
Sulfate	U	U	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R4072349-2 05/16/24 15:48

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Chloride	40000	39800	99.6	80.0-120	
Fluoride	8000	8410	105	80.0-120	
Nitrate	8000	8010	100	80.0-120	
Sulfate	40000	42100	105	80.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1737001-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1737001-06 05/17/24 09:35 • (MS) R4072349-4 05/17/24 10:11 • (MSD) R4072349-5 05/17/24 10:29

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40000	50000	80400	U	76.0	0.000	1	80.0-120	J6	J3 J6	200	15
Fluoride	8000	434	8400	7820	99.6	92.4	1	80.0-120			7.11	15
Nitrate	8000	6890	14200	14000	91.6	88.8	1	80.0-120			1.58	15
Sulfate	40000	54300	86400	85600	80.2	78.3	1	80.0-120		J6	0.900	15

Sample Narrative:

- MS: CL spike failed due to sample matrix
- MSD: CL/SO4 spike failed due to sample matrix

L1737016-05 Original Sample (OS) • Matrix Spike (MS)

(OS) L1737016-05 05/17/24 12:53 • (MS) R4072349-7 05/17/24 13:29

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40000	5910	45300	98.4	1	80.0-120	
Fluoride	8000	76.4	8600	106	1	80.0-120	
Nitrate	8000	1690	10100	105	1	80.0-120	
Sulfate	40000	U	42800	107	1	80.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4073223-1 05/16/24 17:11

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Chloride	U		379	1000
Fluoride	U		64.0	150
Nitrate	U		48.0	100
Sulfate	U		594	5000

L1736709-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1736709-01 05/17/24 04:10 • (DUP) R4073223-3 05/17/24 04:26

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	17700	17600	1	0.485		15
Fluoride	109	108	1	1.39	J	15
Nitrate	954	952	1	0.189		15
Sulfate	28600	28700	1	0.0503		15

L1737141-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1737141-05 05/17/24 15:24 • (DUP) R4073223-6 05/17/24 15:40

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	111000	110000	1	0.669		15
Fluoride	98.4	82.7	1	17.3	J P1	15
Nitrate	1950	1950	1	0.138		15

Laboratory Control Sample (LCS)

(LCS) R4073223-2 05/16/24 17:27

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Chloride	40000	37900	94.7	80.0-120	
Fluoride	8000	7850	98.2	80.0-120	
Nitrate	8000	7770	97.1	80.0-120	
Sulfate	40000	39800	99.5	80.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1736709-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1736709-01 05/17/24 04:10 • (MS) R4073223-4 05/17/24 04:42 • (MSD) R4073223-5 05/17/24 05:04

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	17700	53500	53500	89.6	89.5	1	80.0-120			0.0390	15
Fluoride	8000	109	7790	7810	96.0	96.3	1	80.0-120			0.349	15
Nitrate	8000	954	9020	9000	101	101	1	80.0-120			0.211	15
Sulfate	40000	28600	64300	64300	89.2	89.1	1	80.0-120			0.0687	15

L1737141-05 Original Sample (OS) • Matrix Spike (MS)

(OS) L1737141-05 05/17/24 15:24 • (MS) R4073223-7 05/17/24 15:56

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40000	111000	127000	40.6	1	80.0-120	J6
Fluoride	8000	98.4	7800	96.3	1	80.0-120	
Nitrate	8000	1950	10100	102	1	80.0-120	

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) R4078060-1 06/05/24 00:38

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Sulfate	U		594	5000

L1736394-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1736394-02 06/05/24 03:41 • (DUP) R4078060-3 06/05/24 03:59

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Sulfate	191000	191000	1	0.118		15

L1737102-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1737102-06 06/05/24 07:34 • (DUP) R4078060-5 06/05/24 07:52

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Sulfate	58300	58200	1	0.213		15

Laboratory Control Sample (LCS)

(LCS) R4078060-2 06/05/24 00:56

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Sulfate	40000	41200	103	80.0-120	

L1736394-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1736394-02 06/05/24 03:41 • (MS) R4078060-4 06/05/24 04:17

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	ug/l	ug/l	ug/l	%		%	
Sulfate	40000	191000	194000	7.70	1	80.0-120	V

Sample Narrative:

MS: Cl/SO4 spike failed due to sample matrix

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1737102-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1737102-06 06/05/24 07:34 • (MS) R4078060-6 06/05/24 08:10 • (MSD) R4078060-7 06/05/24 08:28

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sulfate	40000	58300	87000	87100	71.8	72.0	1	80.0-120	J6	J6	0.106	15

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4073010-2 05/22/24 18:27

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
TOC (Total Organic Carbon)	158	⬇	102	1000

L1737043-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1737043-05 05/22/24 21:20 • (DUP) R4073010-5 05/22/24 21:40

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	6670	6550	1	1.78		20

L1737102-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1737102-06 05/23/24 01:40 • (DUP) R4073010-6 05/23/24 01:56

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	1100	1060	1	3.61		20

Laboratory Control Sample (LCS)

(LCS) R4073010-1 05/22/24 18:10

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
TOC (Total Organic Carbon)	25000	26600	106	85.0-115	

L1737043-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1737043-04 05/22/24 20:14 • (MS) R4073010-3 05/22/24 20:37 • (MSD) R4073010-4 05/22/24 20:59

	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	6820	33900	34000	108	109	1	85.0-115			0.206	20

L1737126-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1737126-13 05/23/24 04:49 • (MS) R4073010-7 05/23/24 05:11 • (MSD) R4073010-8 05/23/24 05:31

	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	8900	32500	31900	94.5	91.8	1	85.0-115			2.05	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4073309-1 05/23/24 13:23

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Arsenic	U		4.40	10.0
Barium	1.27	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) R4073309-2 05/23/24 13:25

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	1000	947	94.7	80.0-120	
Barium	1000	998	99.8	80.0-120	
Chromium	1000	984	98.4	80.0-120	
Iron	10000	9880	98.8	80.0-120	
Lead	1000	946	94.6	80.0-120	
Manganese	1000	1010	101	80.0-120	
Zinc	1000	972	97.2	80.0-120	

L1737102-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1737102-04 05/23/24 13:26 • (MS) R4073309-4 05/23/24 13:30 • (MSD) R4073309-5 05/23/24 13:31

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	1030	1010	103	101	1	75.0-125			2.27	20
Barium	1000	23.9	1020	997	99.5	97.3	1	75.0-125			2.19	20
Chromium	1000	U	994	968	99.4	96.8	1	75.0-125			2.62	20
Iron	10000	26.9	10100	9800	101	97.7	1	75.0-125			3.12	20
Lead	1000	U	990	968	99.0	96.8	1	75.0-125			2.26	20
Manganese	1000	162	1180	1150	102	98.7	1	75.0-125			2.47	20
Zinc	1000	19.9	1020	991	99.7	97.1	1	75.0-125			2.56	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) R4072769-3 05/17/24 09:50

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
(S) Toluene-d8	97.4			80.0-120
(S) 4-Bromofluorobenzene	106			77.0-126
(S) 1,2-Dichloroethane-d4	122			70.0-130

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

(LCS) R4072769-1 05/17/24 08:47 • (LCSD) R4072769-2 05/17/24 09:08

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	4.44	4.65	88.8	93.0	70.0-123			4.62	20
(S) Toluene-d8				92.1	97.0	80.0-120				
(S) 4-Bromofluorobenzene				106	108	77.0-126				
(S) 1,2-Dichloroethane-d4				117	119	70.0-130				

L1737110-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1737110-02 05/17/24 15:10 • (MS) R4072769-4 05/17/24 17:17 • (MSD) R4072769-5 05/17/24 17:38

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	U	6.47	6.13	129	123	1	17.0-158			5.40	27
(S) Toluene-d8					93.8	95.4		80.0-120				
(S) 4-Bromofluorobenzene					104	105		77.0-126				
(S) 1,2-Dichloroethane-d4					122	119		70.0-130				

1
Cp

2
Tc

3
Ss

4
Cn

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Sr

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Qc

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Gl

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Al

9
Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

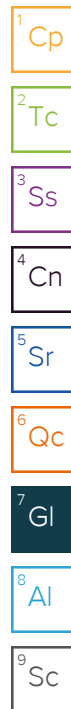
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location.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

Abbreviations and Definitions

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

Qualifier Description

B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
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.
V	The sample concentration is too high to evaluate accurate spike recoveries.



ACCREDITATIONS & LOCATIONS

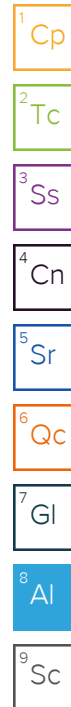
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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: 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 1 of 2			
Report to: David Jaros		Email To: David.Jaros@terracon.com; gwreports@adeq.st														 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			
Project Description: Georgia Pacific-Crossett Facility		City/State Collected:		Please Circle: PT MT CT ET												SDG # 41737102 K043			
Phone: 501-847-9292		Client Project #		Lab Project # GENENLAR-GAPACIFIC												Acctnum: GENENLAR Template: T71137 Prelogin: P1074838 PM: 829 - Brittne L Boyd PB: 5/9/24 CAM Shipped Via: FedEX Ground			
Collected by (print): Wes Williams		Site/Facility ID #		P.O. #												Remarks		Sample # (lab only)	
Collected by (signature): Wes Williams		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															
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	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					
MW-1			GW		5-15-24	1042	8	✓	✓	✓	✓	✓	✓			01			
MW-2N			GW													02			
MW-3			GW		5-15-24	1241	8									03			
MW-4			GW		5-15-24	1325	1									04			
MW-5			GW		5-15-24	1215										05			
MW-6			GW		5-15-24	1130										06			
MW-7			GW		5-15-24	1043										07			
DUPE			GW		5-15-24	1245										08			
FIELD BLANK			GW		5-15-24	1255													
LEACHATE			GW																
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other _____		Remarks:		pH _____ Temp _____ Flow _____ Other _____												Sample Receipt Checklist COC Seal Present/Intact: ☒ Y ☐ N COC Signed/Accurate: ☒ Y ☐ N Bottles arrive intact: ☒ Y ☐ N Correct bottles used: ☒ Y ☐ N Sufficient volume sent: ☒ Y ☐ N If Applicable VOA Zero Headspace: ☒ Y ☐ N Preservation Correct/Checked: ☒ Y ☐ N RAD Screen <0.5 mR/hr: ☒ Y ☐ N			
Samples returned via: ☐ UPS ☐ FedEx ☐ Courier		Tracking #												Trip Blank Received: Yes ☒ No ☐ HCL/MeOH TBR					
Relinquished by: (Signature) Wes Williams		Date: 5-15-24	Time: 1600	Received by: (Signature)		Temp: _____ °C		Bottles Received: 82		If preservation required by Login: Date/Time		Condition: NCE / OK							
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)		Date:		Time:		Hold:		Condition:							
Relinquished by: (Signature)		Date:	Time:	Received for lab by: (Signature) David Burdfield		Date: 5/16/24		Time: 9:00		Hold:		Condition:							

Date

Name

5/16/24 - NCF L1737102 GENENLAR

R5

Time estimate: oh

Time spent: oh

Members

MS Matthew Shacklock (responsible) **BB** 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: _____ 05/20 1046 _____
- ☒ PM initials: _____ BB _____
- ☒ Client Contact: _____ David Jaros _____

Comments

Matthew Shacklock	16 May 2024 4:20 PM
Not all samples marked	
Brittnie Boyd	20 May 2024 10:46 AM
Please log all samples for all analyses listed on the COC.	
Matthew Shacklock	20 May 2024 10:51 AM
Done	