

CTEH - ER

Sample Delivery Group: L1848881
Samples Received: 04/17/2025
Project Number: PROJ-054017
Description: Bishop Loss of Containment Incident
Site: CHEVRON GALETON, CO
Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey
Project Manager

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5	Sr
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7	Gl
8	Al
9	Sc

Al: Accreditations & Locations

87

Sc: Sample Chain of Custody

88

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

SAMPLE SUMMARY

GACO0416EX001-A L1848881-01 Solid

Collected by: K Burrows
 Collected date/time: 04/16/25 11:54
 Received date/time: 04/17/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2493694	1	04/18/25 02:39	04/18/25 02:39	BAG	Mt. Juliet, TN
Calculated Results	WG2490645	1	04/17/25 14:49	04/17/25 21:10	JDG	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2493122	1	04/17/25 11:45	04/17/25 11:56	MT	Mt. Juliet, TN
Wet Chemistry by Method 365.4M	WG2493715	5	04/17/25 14:49	04/17/25 22:07	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2490645	1	04/17/25 14:49	04/17/25 21:10	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2495259	1	04/19/25 22:54	04/20/25 12:20	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2493838	1	04/18/25 04:00	04/18/25 06:02	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2493401	1	04/17/25 14:49	04/17/25 16:21	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2493441	1	04/17/25 15:59	04/18/25 15:04	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2495371	1	04/20/25 09:42	04/20/25 21:00	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2493443	1	04/17/25 14:48	04/17/25 19:07	BAG	Mt. Juliet, TN

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

GACO0416EX002-A L1848881-02 Solid

Collected by: K Burrows
 Collected date/time: 04/16/25 12:10
 Received date/time: 04/17/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2493694	1	04/18/25 02:41	04/18/25 02:41	BAG	Mt. Juliet, TN
Calculated Results	WG2490645	1	04/17/25 14:49	04/17/25 21:11	JDG	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2493122	1	04/17/25 11:45	04/17/25 11:56	MT	Mt. Juliet, TN
Wet Chemistry by Method 365.4M	WG2493715	5	04/17/25 14:49	04/17/25 22:08	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2490645	1	04/17/25 14:49	04/17/25 21:11	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2495253	1	04/19/25 22:05	04/20/25 12:17	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2493838	1	04/18/25 04:00	04/18/25 06:02	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2493401	1	04/17/25 14:49	04/17/25 16:35	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2493441	2	04/17/25 15:59	04/18/25 15:05	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2495371	1	04/20/25 09:42	04/20/25 21:02	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2493443	1	04/17/25 14:48	04/17/25 19:08	BAG	Mt. Juliet, TN

GACO0416EX003-A L1848881-03 Solid

Collected by: K Burrows
 Collected date/time: 04/16/25 12:15
 Received date/time: 04/17/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2493694	1	04/18/25 02:42	04/18/25 02:42	BAG	Mt. Juliet, TN
Calculated Results	WG2490645	1	04/17/25 14:49	04/17/25 21:13	JDG	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2493122	1	04/17/25 11:45	04/17/25 11:56	MT	Mt. Juliet, TN
Wet Chemistry by Method 365.4M	WG2493715	5	04/17/25 14:49	04/17/25 22:09	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2490645	1	04/17/25 14:49	04/17/25 21:13	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2495253	1	04/19/25 22:05	04/20/25 12:17	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2493838	1	04/18/25 04:00	04/18/25 06:02	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2493401	1	04/17/25 14:49	04/17/25 16:48	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2493441	1	04/17/25 15:59	04/18/25 15:06	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2495371	1	04/20/25 09:42	04/20/25 21:04	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2493443	1	04/17/25 14:48	04/17/25 19:10	BAG	Mt. Juliet, TN

GACO0416EX004-A L1848881-04 Solid

Collected by: K Burrows
 Collected date/time: 04/16/25 12:47
 Received date/time: 04/17/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2493694	1	04/18/25 02:44	04/18/25 02:44	BAG	Mt. Juliet, TN
Calculated Results	WG2490645	1	04/17/25 14:49	04/18/25 18:59	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2493122	1	04/17/25 11:45	04/17/25 11:56	MT	Mt. Juliet, TN
Wet Chemistry by Method 365.4M	WG2494642	1	04/18/25 13:23	04/18/25 19:37	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2494313	1	04/18/25 13:23	04/18/25 18:59	AEC	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0416EX004-A L1848881-04 Solid

Collected by: K Burrows
 Collected date/time: 04/16/25 12:47
 Received date/time: 04/17/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9045D	WG2495253	1	04/19/25 22:05	04/20/25 12:17	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2493838	1	04/18/25 04:00	04/18/25 06:02	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2493767	1	04/18/25 00:13	04/18/25 04:07	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2493441	1	04/17/25 15:59	04/18/25 15:10	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2495371	1	04/20/25 09:42	04/20/25 21:05	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2493443	1	04/17/25 14:48	04/17/25 19:12	BAG	Mt. Juliet, TN

1
Cp

2
Tc

3
Ss

4
Cn

GACO0416EX005-A L1848881-05 Solid

Collected by: K Burrows
 Collected date/time: 04/16/25 13:00
 Received date/time: 04/17/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2493694	1	04/18/25 02:46	04/18/25 02:46	BAG	Mt. Juliet, TN
Calculated Results	WG2490645	1	04/17/25 14:49	04/17/25 21:16	JDG	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2493122	1	04/17/25 11:45	04/17/25 11:56	MT	Mt. Juliet, TN
Wet Chemistry by Method 365.4M	WG2493715	5	04/17/25 14:49	04/17/25 22:13	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2490645	1	04/17/25 14:49	04/17/25 21:16	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2495259	1	04/19/25 22:54	04/20/25 12:20	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2493838	1	04/18/25 04:00	04/18/25 06:02	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2493401	1	04/17/25 14:49	04/17/25 16:14	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2493441	1	04/17/25 15:59	04/18/25 15:11	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2495371	1	04/20/25 09:42	04/20/25 21:07	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2493443	1	04/17/25 14:48	04/17/25 18:39	BAG	Mt. Juliet, TN

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

GACO0416EX006-A L1848881-06 Solid

Collected by: K Burrows
 Collected date/time: 04/16/25 13:19
 Received date/time: 04/17/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2493694	1	04/18/25 02:48	04/18/25 02:48	BAG	Mt. Juliet, TN
Calculated Results	WG2490645	1	04/17/25 14:49	04/17/25 21:23	JDG	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2493122	1	04/17/25 11:45	04/17/25 11:56	MT	Mt. Juliet, TN
Wet Chemistry by Method 365.4M	WG2493715	2	04/17/25 14:49	04/17/25 22:20	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2490645	1	04/17/25 14:49	04/17/25 21:23	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2495253	1	04/19/25 22:05	04/20/25 12:17	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2493838	1	04/18/25 04:00	04/18/25 06:02	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2493401	1	04/17/25 14:49	04/17/25 16:27	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2493441	1	04/17/25 15:59	04/18/25 15:12	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2495371	1	04/20/25 09:42	04/20/25 21:09	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2493454	1	04/17/25 15:01	04/17/25 18:23	MAP	Mt. Juliet, TN

GACO0416EX007-A L1848881-07 Solid

Collected by: K Burrows
 Collected date/time: 04/16/25 13:01
 Received date/time: 04/17/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2493694	1	04/18/25 02:49	04/18/25 02:49	BAG	Mt. Juliet, TN
Calculated Results	WG2490645	1	04/17/25 14:49	04/17/25 21:47	JDG	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2493122	1	04/17/25 11:45	04/17/25 11:56	MT	Mt. Juliet, TN
Wet Chemistry by Method 365.4M	WG2493715	2	04/17/25 14:49	04/17/25 22:21	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2490645	2	04/17/25 14:49	04/17/25 21:47	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2495253	1	04/19/25 22:05	04/20/25 12:17	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2493838	1	04/18/25 04:00	04/18/25 06:02	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2493401	1	04/17/25 14:49	04/17/25 16:40	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2493441	9	04/17/25 15:59	04/18/25 15:13	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2495372	1	04/20/25 09:42	04/20/25 20:30	MAP	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0416EX007-A L1848881-07 Solid

Collected by: K Burrows
 Collected date/time: 04/16/25 13:01
 Received date/time: 04/17/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2493454	1	04/17/25 15:01	04/17/25 18:25	MAP	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

GACO0416EX008-A L1848881-08 Solid

Collected by: K Burrows
 Collected date/time: 04/16/25 12:48
 Received date/time: 04/17/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2493694	1	04/18/25 02:51	04/18/25 02:51	BAG	Mt. Juliet, TN
Calculated Results	WG2490645	1	04/17/25 14:49	04/17/25 21:25	JDG	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2493122	1	04/17/25 11:45	04/17/25 11:56	MT	Mt. Juliet, TN
Wet Chemistry by Method 365.4M	WG2493715	2	04/17/25 14:49	04/17/25 22:22	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2490645	1	04/17/25 14:49	04/17/25 21:25	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2495253	1	04/19/25 22:05	04/20/25 12:17	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2493838	1	04/18/25 04:00	04/18/25 06:02	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2493401	1	04/17/25 14:49	04/17/25 16:54	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2493441	2	04/17/25 15:59	04/18/25 15:13	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2495372	1	04/20/25 09:42	04/20/25 20:32	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2493454	1	04/17/25 15:01	04/17/25 18:26	MAP	Mt. Juliet, TN

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GACO0416EX009-A L1848881-09 Solid

Collected by: K Burrows
 Collected date/time: 04/16/25 13:32
 Received date/time: 04/17/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2493694	1	04/18/25 02:53	04/18/25 02:53	BAG	Mt. Juliet, TN
Calculated Results	WG2490645	1	04/17/25 14:49	04/17/25 21:28	JDG	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2493122	1	04/17/25 11:45	04/17/25 11:56	MT	Mt. Juliet, TN
Wet Chemistry by Method 365.4M	WG2493715	1	04/17/25 14:49	04/17/25 21:24	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2490645	1	04/17/25 14:49	04/17/25 21:28	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2495259	1	04/19/25 22:54	04/20/25 12:20	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2493838	1	04/18/25 04:00	04/18/25 06:02	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2493401	1.01	04/17/25 14:49	04/17/25 17:07	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2493441	1	04/17/25 15:59	04/18/25 15:14	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2495371	1	04/20/25 09:42	04/20/25 21:10	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2493454	1	04/17/25 15:01	04/17/25 18:31	MAP	Mt. Juliet, TN

GACO0416EX010-A L1848881-10 Solid

Collected by: K Burrows
 Collected date/time: 04/16/25 13:27
 Received date/time: 04/17/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2493694	1	04/18/25 02:58	04/18/25 02:58	BAG	Mt. Juliet, TN
Calculated Results	WG2490645	1	04/17/25 14:49	04/17/25 21:29	JDG	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2493122	1	04/17/25 11:45	04/17/25 11:56	MT	Mt. Juliet, TN
Wet Chemistry by Method 365.4M	WG2493715	2	04/17/25 14:49	04/17/25 22:25	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2490645	1	04/17/25 14:49	04/17/25 21:29	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2495253	1	04/19/25 22:05	04/20/25 12:17	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2493838	1	04/18/25 04:00	04/18/25 06:02	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2493401	1.01	04/17/25 14:49	04/17/25 17:21	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2493441	5	04/17/25 15:59	04/18/25 15:14	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2495371	1	04/20/25 09:42	04/20/25 21:15	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2493454	1	04/17/25 15:01	04/17/25 18:33	MAP	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0416EX011-A L1848881-11 Solid

Collected by: K Burrows
 Collected date/time: 04/16/25 13:30
 Received date/time: 04/17/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2493694	1	04/18/25 03:00	04/18/25 03:00	BAG	Mt. Juliet, TN
Calculated Results	WG2490645	1	04/17/25 14:49	04/17/25 21:30	JDG	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2493124	1	04/17/25 12:02	04/17/25 12:12	MT	Mt. Juliet, TN
Wet Chemistry by Method 365.4M	WG2493715	2	04/17/25 14:49	04/17/25 22:26	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2490645	1	04/17/25 14:49	04/17/25 21:30	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2495253	1	04/19/25 22:05	04/20/25 12:17	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2493838	1	04/18/25 04:00	04/18/25 06:02	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2493401	1.03	04/17/25 14:49	04/17/25 17:34	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2493441	2	04/17/25 15:59	04/18/25 15:14	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2495371	1	04/20/25 09:42	04/20/25 21:17	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2493454	1	04/17/25 15:01	04/17/25 18:35	MAP	Mt. Juliet, TN

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

GACO0416EX012-A L1848881-12 Solid

Collected by: K Burrows
 Collected date/time: 04/16/25 13:32
 Received date/time: 04/17/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2493694	1	04/18/25 03:01	04/18/25 03:01	BAG	Mt. Juliet, TN
Calculated Results	WG2490645	1	04/17/25 14:49	04/17/25 21:32	JDG	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2493124	1	04/17/25 12:02	04/17/25 12:12	MT	Mt. Juliet, TN
Wet Chemistry by Method 365.4M	WG2493715	5	04/17/25 14:49	04/17/25 22:27	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2490645	1	04/17/25 14:49	04/17/25 21:32	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2495253	1	04/19/25 22:05	04/20/25 12:17	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2493838	1	04/18/25 04:00	04/18/25 06:02	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2493401	1	04/17/25 14:49	04/17/25 17:47	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2493441	1	04/17/25 15:59	04/18/25 15:15	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2495371	1	04/20/25 09:42	04/20/25 21:18	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2493454	1	04/17/25 15:01	04/17/25 18:37	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2493454	2	04/17/25 15:01	04/17/25 23:48	BAG	Mt. Juliet, TN

GACO0416EX013-A L1848881-13 Solid

Collected by: K Burrows
 Collected date/time: 04/16/25 11:30
 Received date/time: 04/17/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2493694	1	04/18/25 03:03	04/18/25 03:03	BAG	Mt. Juliet, TN
Calculated Results	WG2490645	1	04/17/25 14:49	04/17/25 21:48	ZSA	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2493124	1	04/17/25 12:02	04/17/25 12:12	MT	Mt. Juliet, TN
Wet Chemistry by Method 365.4M	WG2493715	5	04/17/25 14:49	04/17/25 22:29	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2490645	2	04/17/25 14:49	04/17/25 21:48	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2495259	1	04/19/25 22:54	04/20/25 12:20	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2493838	1	04/18/25 04:00	04/18/25 06:02	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2493404	1	04/17/25 14:36	04/17/25 16:34	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2493441	9	04/17/25 15:59	04/18/25 15:15	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2495372	1	04/20/25 09:42	04/20/25 20:34	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2493454	1	04/17/25 15:01	04/17/25 18:38	MAP	Mt. Juliet, TN

GACO0416EX014-A L1848881-14 Solid

Collected by: K Burrows
 Collected date/time: 04/16/25 11:32
 Received date/time: 04/17/25 10:15

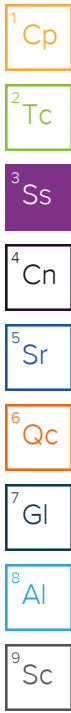
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2493694	1	04/18/25 03:05	04/18/25 03:05	BAG	Mt. Juliet, TN
Calculated Results	WG2490645	1	04/17/25 14:49	04/17/25 21:34	ZSA	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2493124	1	04/17/25 12:02	04/17/25 12:12	MT	Mt. Juliet, TN
Wet Chemistry by Method 365.4M	WG2493715	2	04/17/25 14:49	04/17/25 22:30	CAT	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0416EX014-A L1848881-14 Solid

Collected by: K Burrows
 Collected date/time: 04/16/25 11:32
 Received date/time: 04/17/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 4500NOrg D-2021	WG2490645	1	04/17/25 14:49	04/17/25 21:34	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2495253	1	04/19/25 22:05	04/20/25 12:17	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2493838	1	04/18/25 04:00	04/18/25 06:02	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2493404	1.01	04/17/25 14:36	04/17/25 16:48	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2493441	1	04/17/25 15:59	04/18/25 15:16	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2495372	1	04/20/25 09:42	04/20/25 20:35	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2493454	1	04/17/25 15:01	04/17/25 18:40	MAP	Mt. Juliet, TN



GACO0416EX015-A L1848881-15 Solid

Collected by: K Burrows
 Collected date/time: 04/16/25 11:45
 Received date/time: 04/17/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2493694	1	04/18/25 03:07	04/18/25 03:07	BAG	Mt. Juliet, TN
Calculated Results	WG2490645	1	04/17/25 14:49	04/17/25 21:38	ZSA	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2493124	1	04/17/25 12:02	04/17/25 12:12	MT	Mt. Juliet, TN
Wet Chemistry by Method 365.4M	WG2493715	1	04/17/25 14:49	04/17/25 21:34	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2490645	1	04/17/25 14:49	04/17/25 21:38	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2495253	1	04/19/25 22:05	04/20/25 12:17	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2493838	1	04/18/25 04:00	04/18/25 06:02	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2493404	1.04	04/17/25 14:36	04/17/25 17:01	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2493441	1	04/17/25 15:59	04/18/25 15:17	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2495371	1	04/20/25 09:42	04/20/25 21:20	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2493454	1	04/17/25 15:01	04/17/25 18:42	MAP	Mt. Juliet, TN

GACO0416EX016-A L1848881-16 Solid

Collected by: K Burrows
 Collected date/time: 04/16/25 11:55
 Received date/time: 04/17/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2493694	1	04/18/25 03:08	04/18/25 03:08	BAG	Mt. Juliet, TN
Calculated Results	WG2490645	1	04/17/25 14:49	04/17/25 21:39	ZSA	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2493124	1	04/17/25 12:02	04/17/25 12:12	MT	Mt. Juliet, TN
Wet Chemistry by Method 365.4M	WG2493715	1	04/17/25 14:49	04/17/25 21:35	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2490645	1	04/17/25 14:49	04/17/25 21:39	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2495253	1	04/19/25 22:05	04/20/25 12:17	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2493838	1	04/18/25 04:00	04/18/25 06:02	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2493404	1.05	04/17/25 14:36	04/17/25 17:14	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2493441	1	04/17/25 15:59	04/18/25 15:18	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2495371	1	04/20/25 09:42	04/20/25 21:22	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2493454	1	04/17/25 15:01	04/17/25 18:43	MAP	Mt. Juliet, TN

GACO0416EX017-A L1848881-17 Solid

Collected by: K Burrows
 Collected date/time: 04/16/25 12:13
 Received date/time: 04/17/25 10:15

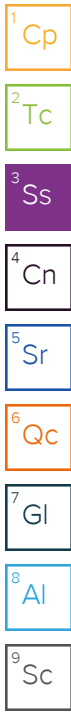
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2493694	1	04/18/25 03:10	04/18/25 03:10	BAG	Mt. Juliet, TN
Calculated Results	WG2490645	1	04/17/25 14:49	04/17/25 21:41	ZSA	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2493124	1	04/17/25 12:02	04/17/25 12:12	MT	Mt. Juliet, TN
Wet Chemistry by Method 365.4M	WG2493715	2	04/17/25 14:49	04/17/25 22:34	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2490645	1	04/17/25 14:49	04/17/25 21:41	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2495253	1	04/19/25 22:05	04/20/25 12:17	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2493838	1	04/18/25 04:00	04/18/25 06:02	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2493404	1	04/17/25 14:36	04/17/25 17:28	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2493441	15	04/17/25 15:59	04/18/25 15:21	ARV	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0416EX017-A L1848881-17 Solid

Collected by: K Burrows
 Collected date/time: 04/16/25 12:13
 Received date/time: 04/17/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2495371	1	04/20/25 09:42	04/20/25 21:23	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2493454	1	04/17/25 15:01	04/17/25 18:45	MAP	Mt. Juliet, TN



GACO0416EX018-A L1848881-18 Solid

Collected by: K Burrows
 Collected date/time: 04/16/25 12:10
 Received date/time: 04/17/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2493694	1	04/18/25 03:12	04/18/25 03:12	BAG	Mt. Juliet, TN
Calculated Results	WG2490645	1	04/17/25 14:49	04/17/25 21:42	JDG	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2493124	1	04/17/25 12:02	04/17/25 12:12	MT	Mt. Juliet, TN
Wet Chemistry by Method 365.4M	WG2493715	1	04/17/25 14:49	04/17/25 21:38	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500Norg D-2021	WG2490645	1	04/17/25 14:49	04/17/25 21:42	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2495253	1	04/19/25 22:05	04/20/25 12:17	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2493838	1	04/18/25 04:00	04/18/25 06:02	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2493404	1	04/17/25 14:36	04/17/25 16:13	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2493441	1	04/17/25 15:59	04/18/25 15:21	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2495371	1	04/20/25 09:42	04/20/25 21:25	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2493454	1	04/17/25 15:01	04/17/25 18:47	MAP	Mt. Juliet, TN

GACO0416EX019-A L1848881-19 Solid

Collected by: K Burrows
 Collected date/time: 04/16/25 12:25
 Received date/time: 04/17/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2493694	1	04/18/25 03:14	04/18/25 03:14	BAG	Mt. Juliet, TN
Calculated Results	WG2490645	1	04/17/25 14:49	04/17/25 21:44	JDG	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2493124	1	04/17/25 12:02	04/17/25 12:12	MT	Mt. Juliet, TN
Wet Chemistry by Method 365.4M	WG2493715	5	04/17/25 14:49	04/17/25 22:35	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500Norg D-2021	WG2490645	1	04/17/25 14:49	04/17/25 21:44	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2495253	1	04/19/25 22:05	04/20/25 12:17	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2493838	1	04/18/25 04:00	04/18/25 06:02	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2493404	1	04/17/25 14:36	04/17/25 16:27	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2493449	5	04/17/25 16:00	04/18/25 14:41	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2495372	1	04/20/25 09:42	04/20/25 20:37	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2493454	1	04/17/25 15:01	04/17/25 18:52	MAP	Mt. Juliet, TN

GACO0416EX020-A L1848881-20 Solid

Collected by: K Burrows
 Collected date/time: 04/16/25 12:45
 Received date/time: 04/17/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2493694	1	04/18/25 03:19	04/18/25 03:19	BAG	Mt. Juliet, TN
Calculated Results	WG2490645	1	04/17/25 14:49	04/17/25 21:46	JDG	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2493124	1	04/17/25 12:02	04/17/25 12:12	MT	Mt. Juliet, TN
Wet Chemistry by Method 365.4M	WG2493715	1	04/17/25 14:49	04/17/25 21:42	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500Norg D-2021	WG2490645	1	04/17/25 14:49	04/17/25 21:46	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2495253	1	04/19/25 22:05	04/20/25 12:17	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2493838	1	04/18/25 04:00	04/18/25 06:02	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2493404	1	04/17/25 14:36	04/17/25 16:40	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2493441	1	04/17/25 15:59	04/18/25 15:21	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2495371	1	04/20/25 09:42	04/20/25 21:27	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2493454	1	04/17/25 15:01	04/17/25 18:54	MAP	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0416EX021-A L1848881-21 Solid

Collected by: K Burrows
 Collected date/time: 04/16/25 12:55
 Received date/time: 04/17/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2493696	1	04/18/25 02:27	04/18/25 02:27	BAG	Mt. Juliet, TN
Calculated Results	WG2493448	1	04/17/25 18:40	04/17/25 20:27	JDG	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2493127	1	04/17/25 12:15	04/17/25 12:22	MT	Mt. Juliet, TN
Wet Chemistry by Method 365.4M	WG2493692	2	04/17/25 18:40	04/17/25 20:22	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2493448	1	04/17/25 18:40	04/17/25 20:27	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2495253	1	04/19/25 22:05	04/20/25 12:17	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2493845	1	04/18/25 03:00	04/18/25 06:00	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2493404	1	04/17/25 14:36	04/17/25 16:54	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2493441	9	04/17/25 15:59	04/18/25 15:22	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2495371	1	04/20/25 09:42	04/20/25 21:28	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2493454	1	04/17/25 15:01	04/17/25 18:55	MAP	Mt. Juliet, TN

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

GACO0416EX022-A L1848881-22 Solid

Collected by: K Burrows
 Collected date/time: 04/16/25 12:50
 Received date/time: 04/17/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2493696	1	04/18/25 02:28	04/18/25 02:28	BAG	Mt. Juliet, TN
Calculated Results	WG2493448	1	04/17/25 18:40	04/17/25 20:28	JDG	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2493127	1	04/17/25 12:15	04/17/25 12:22	MT	Mt. Juliet, TN
Wet Chemistry by Method 365.4M	WG2493692	2	04/17/25 18:40	04/17/25 20:23	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2493448	1	04/17/25 18:40	04/17/25 20:28	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2495253	1	04/19/25 22:05	04/20/25 12:17	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2493845	1	04/18/25 03:00	04/18/25 06:00	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2493404	1	04/17/25 14:36	04/17/25 17:07	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2493449	1	04/17/25 16:00	04/18/25 14:41	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2495371	1	04/20/25 09:42	04/20/25 21:30	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2493454	1	04/17/25 15:01	04/17/25 18:57	MAP	Mt. Juliet, TN

GACO0416EX023-A L1848881-23 Solid

Collected by: K Burrows
 Collected date/time: 04/16/25 13:05
 Received date/time: 04/17/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2493696	1	04/18/25 02:30	04/18/25 02:30	BAG	Mt. Juliet, TN
Calculated Results	WG2493448	1	04/17/25 18:40	04/17/25 20:31	JDG	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2493127	1	04/17/25 12:15	04/17/25 12:22	MT	Mt. Juliet, TN
Wet Chemistry by Method 365.4M	WG2493692	5	04/17/25 18:40	04/17/25 20:26	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2493448	1	04/17/25 18:40	04/17/25 20:31	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2495253	1	04/19/25 22:05	04/20/25 12:17	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2493845	1	04/18/25 03:00	04/18/25 06:00	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2493404	1	04/17/25 14:36	04/17/25 17:41	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2493449	9	04/17/25 16:00	04/18/25 14:42	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2495371	1	04/20/25 09:42	04/20/25 21:35	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2493454	1	04/17/25 15:01	04/17/25 18:59	MAP	Mt. Juliet, TN

GACO0416EX024-A L1848881-24 Solid

Collected by: K Burrows
 Collected date/time: 04/16/25 13:15
 Received date/time: 04/17/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2493696	1	04/18/25 02:32	04/18/25 02:32	BAG	Mt. Juliet, TN
Calculated Results	WG2493448	1	04/17/25 18:40	04/18/25 05:25	JDG	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2493127	1	04/17/25 12:15	04/17/25 12:22	MT	Mt. Juliet, TN
Wet Chemistry by Method 365.4M	WG2493692	2	04/17/25 18:40	04/17/25 20:27	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2493448	1	04/17/25 18:40	04/17/25 20:32	AEC	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0416EX024-A L1848881-24 Solid

Collected by: K Burrows
 Collected date/time: 04/16/25 13:15
 Received date/time: 04/17/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9045D	WG2495253	1	04/19/25 22:05	04/20/25 12:17	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2493845	1	04/18/25 03:00	04/18/25 06:00	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2493767	1	04/18/25 00:13	04/18/25 05:25	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2493449	1	04/17/25 16:00	04/18/25 14:43	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2495371	1	04/20/25 09:42	04/20/25 21:37	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2493454	1	04/17/25 15:01	04/17/25 18:14	MAP	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

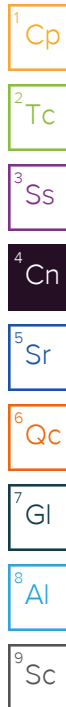
⁸ Al

⁹ Sc

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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.

Jared Starkey
Project Manager



Sample Delivery Group (SDG) Narrative

The following samples were prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.

Batch	Method	Lab Sample ID
WG2495253	9045D	L1848881-02, 03, 04, 06, 07, 08, 10, 11, 12, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24
WG2495259	9045D	L1848881-01, 05, 09, 13

Wet Chemistry by Method 365.4M

The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).

Batch	Lab Sample ID	Analytes
WG2493692	(MS) R4201292-3	Phosphorus,Total
WG2493692	(MSD) R4201292-4	Phosphorus,Total

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2494642	Phosphorus,Total	L1848881-04

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

Batch	Lab Sample ID	Analytes
WG2493692	(DUP) R4201292-5, L1848881-22	Phosphorus,Total
WG2493715	(DUP) R4201333-7, (DUP) R4201333-3, L1848881-08, 18	Phosphorus,Total

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG2494642	(MS) R4201867-3, (MSD) R4201867-4	Phosphorus,Total

Wet Chemistry by Method 4500NOrg D-2021

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

Batch	Lab Sample ID	Analytes
WG2494313	(DUP) R4201855-4	Kjeldahl Nitrogen, TKN

CASE NARRATIVE

Wet Chemistry by Method 4500NOrg D-2021

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG2490645	(MS) R4201317-4, (MSD) R4201317-5, L1848881-05	Kjeldahl Nitrogen, TKN
WG2493448	(MS) R4201290-3, (MSD) R4201290-4	Kjeldahl Nitrogen, TKN
WG2494313	(MS) R4201855-3, (MS) R4201855-5, (MSD) R4201855-6, L1848881-04	Kjeldahl Nitrogen, TKN

Wet Chemistry by Method 9056A

The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).

Batch	Lab Sample ID	Analytes
WG2493401	(MS) R4201295-4	Sulfate

RPD value not applicable for sample concentrations less than 5 times the reporting limit.

Batch	Lab Sample ID	Analytes
WG2493401	(DUP) R4201295-3	Chloride
WG2493767	(DUP) R4201435-7, L1848881-24	Fluoride and Sulfate

The sample matrix interfered with the ability to make any accurate determination; spike value is high.

Batch	Lab Sample ID	Analytes
WG2493767	(MSD) R4201435-5, L1848881-04	Sulfate

The sample concentration is too high to evaluate accurate spike recoveries.

Batch	Lab Sample ID	Analytes
WG2493401	(MSD) R4201295-5	Sulfate

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

Batch	Lab Sample ID	Analytes
WG2493401	(MSD) R4201295-5	Sulfate

Metals (ICP) by Method 6010D

The sample concentration is too high to evaluate accurate spike recoveries.

Batch	Lab Sample ID	Analytes
WG2493443	(MS) R4201397-5, (MSD) R4201397-6, L1848881-05	Calcium and Iron
WG2493454	(MS) R4201311-5, (MSD) R4201311-6, L1848881-24	Calcium and Iron

The sample matrix interfered with the ability to make any accurate determination; spike value is high.

Batch	Lab Sample ID	Analytes
WG2493454	(MSD) R4201311-6, L1848881-24	Magnesium and Manganese

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

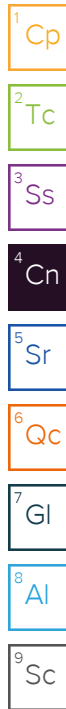
Batch	Lab Sample ID	Analytes
WG2493443	(MSD) R4201397-6, L1848881-05	Magnesium and Manganese
WG2493454	(MS) R4201311-5, L1848881-24	Magnesium, Manganese and Potassium

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

Batch	Lab Sample ID	Analytes
WG2493454	(MSD) R4201311-6, L1848881-24	Calcium, Iron, Magnesium and Manganese

The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.

Batch	Lab Sample ID	Analytes
WG2493454	L1848881-24	Iron



Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.79		1	04/18/2025 02:39	WG2493694

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	132000		709	11700	1	04/17/2025 21:10	WG2490645

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.4		1	04/17/2025 11:56	WG2493122

Wet Chemistry by Method 365.4M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phosphorus, Total	447000		93600	117000	5	04/17/2025 22:07	WG2493715

Wet Chemistry by Method 4500N Org D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	132000		17800	23400	1	04/17/2025 21:10	WG2490645

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.00	<u>T8</u>	1	04/20/2025 12:20	WG2495259

Sample Narrative:

L1848881-01 WG2495259: 8 at 21.8C

Wet Chemistry by Method 9050A Mod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	925	umhos/cm		10.0	1	04/18/2025 06:02	WG2493838

Sample Narrative:

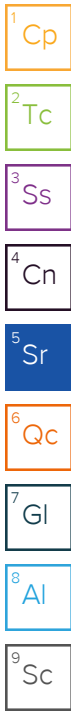
L1848881-01 WG2493838: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Bromide	U		4800	11700	1	04/17/2025 16:21	WG2493401
Chloride	26400		7430	23400	1	04/17/2025 16:21	WG2493401
Fluoride	2170	<u>J</u>	826	2340	1	04/17/2025 16:21	WG2493401
Nitrate as (N)	U		1110	11700	1	04/17/2025 16:21	WG2493401
Nitrite as (N)	U		709	11700	1	04/17/2025 16:21	WG2493401
Sulfate	491000		9650	58500	1	04/17/2025 16:21	WG2493401

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	1540000		25500	100000	1	04/18/2025 15:04	WG2493441



Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hot Water Sol. Boron	189	J	16.7	200	1	04/20/2025 21:00	WG2495371

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Calcium	5630000		22200	117000	1	04/17/2025 19:07	WG2493443
Iron	12600000		2620	11700	1	04/17/2025 19:07	WG2493443
Magnesium	1150000		23300	117000	1	04/17/2025 19:07	WG2493443
Manganese	259000		203	1170	1	04/17/2025 19:07	WG2493443
Potassium	374000		24500	117000	1	04/17/2025 19:07	WG2493443
Sodium	207000		48200	117000	1	04/17/2025 19:07	WG2493443

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.06		1	04/18/2025 02:41	WG2493694

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	411000		727	12000	1	04/17/2025 21:11	WG2490645

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.3		1	04/17/2025 11:56	WG2493122

Wet Chemistry by Method 365.4M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phosphorus, Total	762000		96000	120000	5	04/17/2025 22:08	WG2493715

Wet Chemistry by Method 4500N Org D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	411000		18200	24000	1	04/17/2025 21:11	WG2490645

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.77	T8	1	04/20/2025 12:17	WG2495253

Sample Narrative:

L1848881-02 WG2495253: 7.77 at 21.8C

Wet Chemistry by Method 9050A Mod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1790	umhos/cm		10.0	1	04/18/2025 06:02	WG2493838

Sample Narrative:

L1848881-02 WG2493838: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Bromide	U		4920	12000	1	04/17/2025 16:35	WG2493401
Chloride	51000		7620	24000	1	04/17/2025 16:35	WG2493401
Fluoride	3110		847	2400	1	04/17/2025 16:35	WG2493401
Nitrate as (N)	U		1140	12000	1	04/17/2025 16:35	WG2493401
Nitrite as (N)	U		727	12000	1	04/17/2025 16:35	WG2493401
Sulfate	913000		9890	60000	1	04/17/2025 16:35	WG2493401

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	5820000		51000	200000	2	04/18/2025 15:05	WG2493441

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hot Water Sol. Boron	398		16.7	200	1	04/20/2025 21:02	WG2495371

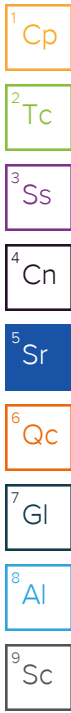
Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Calcium	5460000		22800	120000	1	04/17/2025 19:08	WG2493443
Iron	4190000		2690	12000	1	04/17/2025 19:08	WG2493443
Magnesium	1130000		23900	120000	1	04/17/2025 19:08	WG2493443
Manganese	116000		208	1200	1	04/17/2025 19:08	WG2493443
Potassium	518000		25100	120000	1	04/17/2025 19:08	WG2493443
Sodium	209000		49400	120000	1	04/17/2025 19:08	WG2493443

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.26		1	04/18/2025 02:42	WG2493694



Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	389000		735	12100	1	04/17/2025 21:13	WG2490645

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.4		1	04/17/2025 11:56	WG2493122

Wet Chemistry by Method 365.4M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phosphorus, Total	511000		97100	121000	5	04/17/2025 22:09	WG2493715

Wet Chemistry by Method 4500N Org D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	389000		18400	24300	1	04/17/2025 21:13	WG2490645

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.68	T8	1	04/20/2025 12:17	WG2495253

Sample Narrative:

L1848881-03 WG2495253: 7.68 at 21.7C

Wet Chemistry by Method 9050A Mod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	2030	umhos/cm		10.0	1	04/18/2025 06:02	WG2493838

Sample Narrative:

L1848881-03 WG2493838: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Bromide	U		4980	12100	1	04/17/2025 16:48	WG2493401
Chloride	61100		7710	24300	1	04/17/2025 16:48	WG2493401
Fluoride	3950		857	2430	1	04/17/2025 16:48	WG2493401
Nitrate as (N)	U		1160	12100	1	04/17/2025 16:48	WG2493401
Nitrite as (N)	U		735	12100	1	04/17/2025 16:48	WG2493401
Sulfate	1090000		10000	60700	1	04/17/2025 16:48	WG2493401

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	5540000		25500	100000	1	04/18/2025 15:06	WG2493441

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hot Water Sol. Boron	359		16.7	200	1	04/20/2025 21:04	WG2495371

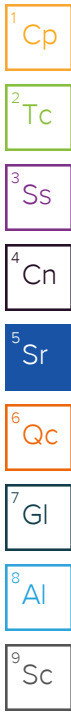
Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Calcium	15000000		23100	121000	1	04/17/2025 19:10	WG2493443
Iron	9910000		2720	12100	1	04/17/2025 19:10	WG2493443
Magnesium	1740000		24200	121000	1	04/17/2025 19:10	WG2493443
Manganese	293000		210	1210	1	04/17/2025 19:10	WG2493443
Potassium	593000		25400	121000	1	04/17/2025 19:10	WG2493443
Sodium	275000		50000	121000	1	04/17/2025 19:10	WG2493443

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.88		1	04/18/2025 02:44	WG2493694



Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	94900		661	10900	1	04/18/2025 18:59	WG2490645

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.6		1	04/17/2025 11:56	WG2493122

Wet Chemistry by Method 365.4M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phosphorus, Total	78400	<u>B</u>	17500	21800	1	04/18/2025 19:37	WG2494642

Wet Chemistry by Method 4500N Org D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	94900	<u>J6</u>	16600	21800	1	04/18/2025 18:59	WG2494313

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.01	<u>T8</u>	1	04/20/2025 12:17	WG2495253

Sample Narrative:

L1848881-04 WG2495253: 8.01 at 21.7C

Wet Chemistry by Method 9050A Mod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1160	umhos/cm		10.0	1	04/18/2025 06:02	WG2493838

Sample Narrative:

L1848881-04 WG2493838: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Bromide	U		4470	10900	1	04/18/2025 04:07	WG2493767
Chloride	33400		6930	21800	1	04/18/2025 04:07	WG2493767
Fluoride	U		770	2180	1	04/18/2025 04:07	WG2493767
Nitrate as (N)	U		1040	10900	1	04/18/2025 04:07	WG2493767
Nitrite as (N)	U		661	10900	1	04/18/2025 04:07	WG2493767
Sulfate	638000	<u>J5</u>	8990	54600	1	04/18/2025 04:07	WG2493767

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	818000		25500	100000	1	04/18/2025 15:10	WG2493441

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hot Water Sol. Boron	151	J	16.7	200	1	04/20/2025 21:05	WG2495371

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Calcium	3210000		20700	109000	1	04/17/2025 19:12	WG2493443
Iron	3410000		2440	10900	1	04/17/2025 19:12	WG2493443
Magnesium	333000		21700	109000	1	04/17/2025 19:12	WG2493443
Manganese	97800		189	1090	1	04/17/2025 19:12	WG2493443
Potassium	89200	J	22800	109000	1	04/17/2025 19:12	WG2493443
Sodium	142000		45000	109000	1	04/17/2025 19:12	WG2493443

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.900		1	04/18/2025 02:46	WG2493694

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	354000		670	1100	1	04/17/2025 21:16	WG2490645

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.4		1	04/17/2025 11:56	WG2493122

Wet Chemistry by Method 365.4M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phosphorus, Total	349000		88500	110000	5	04/17/2025 22:13	WG2493715

Wet Chemistry by Method 4500N Org D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	348000	J6	16800	22100	1	04/17/2025 21:16	WG2490645

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.91	T8	1	04/20/2025 12:20	WG2495259

Sample Narrative:

L1848881-05 WG2495259: 7.91 at 21.9C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1050	umhos/cm		10.0	1	04/18/2025 06:02	WG2493838

Sample Narrative:

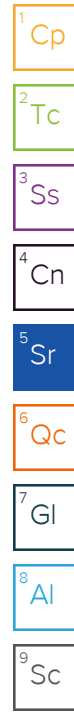
L1848881-05 WG2493838: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Bromide	U		4530	1100	1	04/17/2025 16:14	WG2493401
Chloride	15900	J	7020	22100	1	04/17/2025 16:14	WG2493401
Fluoride	1580	J	781	2210	1	04/17/2025 16:14	WG2493401
Nitrate as (N)	6270	J	1050	1100	1	04/17/2025 16:14	WG2493401
Nitrite as (N)	U		670	1100	1	04/17/2025 16:14	WG2493401
Sulfate	300000		910	55300	1	04/17/2025 16:14	WG2493401

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	4910000		25500	100000	1	04/18/2025 15:11	WG2493441



Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hot Water Sol. Boron	349		16.7	200	1	04/20/2025 21:07	WG2495371

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Calcium	8480000	<u>V</u>	21000	111000	1	04/17/2025 18:39	WG2493443
Iron	5160000	<u>V</u>	2480	11100	1	04/17/2025 18:39	WG2493443
Magnesium	1710000	<u>J6</u>	22000	111000	1	04/17/2025 18:39	WG2493443
Manganese	114000	<u>J6</u>	191	1110	1	04/17/2025 18:39	WG2493443
Potassium	794000		23100	111000	1	04/17/2025 18:39	WG2493443
Sodium	112000		45600	111000	1	04/17/2025 18:39	WG2493443

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.15		1	04/18/2025 02:48	WG2493694

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	202000		654	10800	1	04/17/2025 21:23	WG2490645

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.7		1	04/17/2025 11:56	WG2493122

Wet Chemistry by Method 365.4M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phosphorus, Total	268000		34500	43200	2	04/17/2025 22:20	WG2493715

Wet Chemistry by Method 4500N Org D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	202000		16400	21600	1	04/17/2025 21:23	WG2490645

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.90	<u>T8</u>	1	04/20/2025 12:17	WG2495253

Sample Narrative:

L1848881-06 WG2495253: 7.9 at 21.6C

Wet Chemistry by Method 9050A Mod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	620	umhos/cm		10.0	1	04/18/2025 06:02	WG2493838

Sample Narrative:

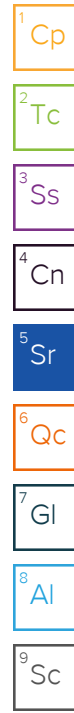
L1848881-06 WG2493838: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Bromide	U		4420	10800	1	04/17/2025 16:27	WG2493401
Chloride	15700	<u>J</u>	6850	21600	1	04/17/2025 16:27	WG2493401
Fluoride	1190	<u>J</u>	762	2160	1	04/17/2025 16:27	WG2493401
Nitrate as (N)	U		1030	10800	1	04/17/2025 16:27	WG2493401
Nitrite as (N)	U		654	10800	1	04/17/2025 16:27	WG2493401
Sulfate	286000		8890	54000	1	04/17/2025 16:27	WG2493401

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	1150000		25500	100000	1	04/18/2025 15:12	WG2493441



Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hot Water Sol. Boron	131	J	16.7	200	1	04/20/2025 21:09	WG2495371

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Calcium	4100000		20500	108000	1	04/17/2025 18:23	WG2493454
Iron	10300000		2420	10800	1	04/17/2025 18:23	WG2493454
Magnesium	907000		21500	108000	1	04/17/2025 18:23	WG2493454
Manganese	175000		187	1080	1	04/17/2025 18:23	WG2493454
Potassium	652000		22600	108000	1	04/17/2025 18:23	WG2493454
Sodium	178000		44500	108000	1	04/17/2025 18:23	WG2493454

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.984		1	04/18/2025 02:49	WG2493694

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	967000		798	13200	1	04/17/2025 21:47	WG2490645

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	75.9		1	04/17/2025 11:56	WG2493122

Wet Chemistry by Method 365.4M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phosphorus, Total	457000		42200	52700	2	04/17/2025 22:21	WG2493715

Wet Chemistry by Method 4500N Org D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	967000		40000	52700	2	04/17/2025 21:47	WG2490645

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.92	<u>T8</u>	1	04/20/2025 12:17	WG2495253

Sample Narrative:

L1848881-07 WG2495253: 7.92 at 21.5C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1020	umhos/cm		10.0	1	04/18/2025 06:02	WG2493838

Sample Narrative:

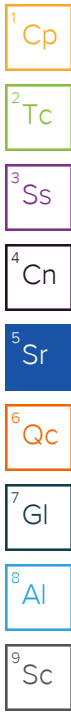
L1848881-07 WG2493838: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Bromide	U		5400	13200	1	04/17/2025 16:40	WG2493401
Chloride	14300	<u>J</u>	8360	26300	1	04/17/2025 16:40	WG2493401
Fluoride	4260		930	2630	1	04/17/2025 16:40	WG2493401
Nitrate as (N)	U		1250	13200	1	04/17/2025 16:40	WG2493401
Nitrite as (N)	U		798	13200	1	04/17/2025 16:40	WG2493401
Sulfate	359000		10900	65900	1	04/17/2025 16:40	WG2493401

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	5100000		230000	900000	9	04/18/2025 15:13	WG2493441



Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hot Water Sol. Boron	446		16.7	200	1	04/20/2025 20:30	WG2495372

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Calcium	20200000		25000	132000	1	04/17/2025 18:25	WG2493454
Iron	20100000		2950	13200	1	04/17/2025 18:25	WG2493454
Magnesium	4860000		26200	132000	1	04/17/2025 18:25	WG2493454
Manganese	278000		228	1320	1	04/17/2025 18:25	WG2493454
Potassium	2880000		27500	132000	1	04/17/2025 18:25	WG2493454
Sodium	184000		54300	132000	1	04/17/2025 18:25	WG2493454

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.596		1	04/18/2025 02:51	WG2493694

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	245000		651	10700	1	04/17/2025 21:25	WG2490645

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.1		1	04/17/2025 11:56	WG2493122

Wet Chemistry by Method 365.4M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phosphorus, Total	267000	<u>J3</u>	34400	43000	2	04/17/2025 22:22	WG2493715

Wet Chemistry by Method 4500N Org D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	239000		16300	21500	1	04/17/2025 21:25	WG2490645

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.23	<u>T8</u>	1	04/20/2025 12:17	WG2495253

Sample Narrative:

L1848881-08 WG2495253: 8.23 at 21.6C

Wet Chemistry by Method 9050A Mod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	262	umhos/cm		10.0	1	04/18/2025 06:02	WG2493838

Sample Narrative:

L1848881-08 WG2493838: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Bromide	U		4410	10700	1	04/17/2025 16:54	WG2493401
Chloride	7130	<u>J</u>	6820	21500	1	04/17/2025 16:54	WG2493401
Fluoride	2060	<u>J</u>	759	2150	1	04/17/2025 16:54	WG2493401
Nitrate as (N)	5190	<u>J</u>	1020	10700	1	04/17/2025 16:54	WG2493401
Nitrite as (N)	U		651	10700	1	04/17/2025 16:54	WG2493401
Sulfate	50600	<u>J</u>	8860	53700	1	04/17/2025 16:54	WG2493401

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	4750000		51000	200000	2	04/18/2025 15:13	WG2493441



Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hot Water Sol. Boron	297		16.7	200	1	04/20/2025 20:32	WG2495372

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Calcium	4820000		20400	107000	1	04/17/2025 18:26	WG2493454
Iron	20200000		2410	10700	1	04/17/2025 18:26	WG2493454
Magnesium	1560000		21400	107000	1	04/17/2025 18:26	WG2493454
Manganese	333000		186	1070	1	04/17/2025 18:26	WG2493454
Potassium	1190000		22500	107000	1	04/17/2025 18:26	WG2493454
Sodium	241000		44300	107000	1	04/17/2025 18:26	WG2493454

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.69		1	04/18/2025 02:53	WG2493694

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	41500		738	12200	1	04/17/2025 21:28	WG2490645

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.9		1	04/17/2025 11:56	WG2493122

Wet Chemistry by Method 365.4M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phosphorus, Total	152000		19300	24100	1	04/17/2025 21:24	WG2493715

Wet Chemistry by Method 4500N Org D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	41500		18300	24100	1	04/17/2025 21:28	WG2490645

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.00	<u>T8</u>	1	04/20/2025 12:20	WG2495259

Sample Narrative:

L1848881-09 WG2495259: 8 at 21.8C

Wet Chemistry by Method 9050A Mod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	615	umhos/cm		10.0	1	04/18/2025 06:02	WG2493838

Sample Narrative:

L1848881-09 WG2493838: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Bromide	U		4990	12200	1.01	04/17/2025 17:07	WG2493401
Chloride	30000		7730	24400	1.01	04/17/2025 17:07	WG2493401
Fluoride	886	<u>J</u>	860	2440	1.01	04/17/2025 17:07	WG2493401
Nitrate as (N)	U		1160	12200	1.01	04/17/2025 17:07	WG2493401
Nitrite as (N)	U		738	12200	1.01	04/17/2025 17:07	WG2493401
Sulfate	403000		10000	60900	1.01	04/17/2025 17:07	WG2493401

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	667000		25500	100000	1	04/18/2025 15:14	WG2493441



Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hot Water Sol. Boron	139	J	16.7	200	1	04/20/2025 21:10	WG2495371

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Calcium	8480000		22900	121000	1	04/17/2025 18:31	WG2493454
Iron	15000000		2700	12100	1	04/17/2025 18:31	WG2493454
Magnesium	659000		24000	121000	1	04/17/2025 18:31	WG2493454
Manganese	328000		209	1210	1	04/17/2025 18:31	WG2493454
Potassium	171000		25200	121000	1	04/17/2025 18:31	WG2493454
Sodium	165000		49700	121000	1	04/17/2025 18:31	WG2493454

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.785		1	04/18/2025 02:58	WG2493694

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	516000		682	11300	1	04/17/2025 21:29	WG2490645

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.7		1	04/17/2025 11:56	WG2493122

Wet Chemistry by Method 365.4M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phosphorus, Total	318000		35700	44600	2	04/17/2025 22:25	WG2493715

Wet Chemistry by Method 4500N Org D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	515000		16900	22300	1	04/17/2025 21:29	WG2490645

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.97	<u>T8</u>	1	04/20/2025 12:17	WG2495253

Sample Narrative:

L1848881-10 WG2495253: 7.97 at 21.6C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	602	umhos/cm		10.0	1	04/18/2025 06:02	WG2493838

Sample Narrative:

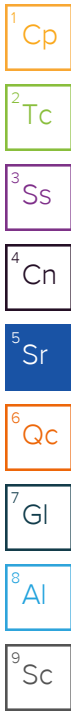
L1848881-10 WG2493838: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Bromide	U		4620	11300	1.01	04/17/2025 17:21	WG2493401
Chloride	11500	<u>J</u>	7150	22500	1.01	04/17/2025 17:21	WG2493401
Fluoride	7710		795	2250	1.01	04/17/2025 17:21	WG2493401
Nitrate as (N)	1360	<u>J</u>	1070	11300	1.01	04/17/2025 17:21	WG2493401
Nitrite as (N)	U		682	11300	1.01	04/17/2025 17:21	WG2493401
Sulfate	143000		9280	56300	1.01	04/17/2025 17:21	WG2493401

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	9500000		128000	500000	5	04/18/2025 15:14	WG2493441



Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hot Water Sol. Boron	354		16.7	200	1	04/20/2025 21:15	WG2495371

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Calcium	9060000		21200	111000	1	04/17/2025 18:33	WG2493454
Iron	19200000		2500	11100	1	04/17/2025 18:33	WG2493454
Magnesium	3080000		22200	111000	1	04/17/2025 18:33	WG2493454
Manganese	373000		193	1110	1	04/17/2025 18:33	WG2493454
Potassium	1640000		23300	111000	1	04/17/2025 18:33	WG2493454
Sodium	116000		45900	111000	1	04/17/2025 18:33	WG2493454

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.94		1	04/18/2025 03:00	WG2493694

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	501000		753	12400	1	04/17/2025 21:30	WG2490645

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.8		1	04/17/2025 12:12	WG2493124

Wet Chemistry by Method 365.4M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phosphorus, Total	323000		38600	48300	2	04/17/2025 22:26	WG2493715

Wet Chemistry by Method 4500N Org D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	501000		18400	24100	1	04/17/2025 21:30	WG2490645

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.58	<u>T8</u>	1	04/20/2025 12:17	WG2495253

Sample Narrative:

L1848881-11 WG2495253: 7.58 at 21.7C

Wet Chemistry by Method 9050A Mod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	850	umhos/cm		10.0	1	04/18/2025 06:02	WG2493838

Sample Narrative:

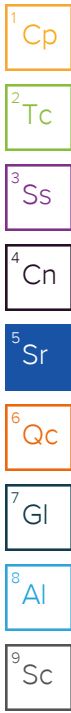
L1848881-11 WG2493838: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Bromide	U		5090	12400	1.03	04/17/2025 17:34	WG2493401
Chloride	35100		7900	24900	1.03	04/17/2025 17:34	WG2493401
Fluoride	1710	<u>J</u>	878	2490	1.03	04/17/2025 17:34	WG2493401
Nitrate as (N)	U		1180	12400	1.03	04/17/2025 17:34	WG2493401
Nitrite as (N)	U		753	12400	1.03	04/17/2025 17:34	WG2493401
Sulfate	462000		10200	62200	1.03	04/17/2025 17:34	WG2493401

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	3460000		51000	200000	2	04/18/2025 15:14	WG2493441



Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hot Water Sol. Boron	396		16.7	200	1	04/20/2025 21:17	WG2495371

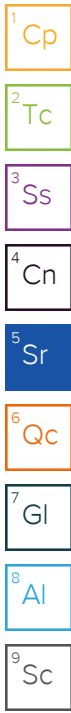
Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Calcium	7390000		22900	121000	1	04/17/2025 18:35	WG2493454
Iron	7240000		2700	12100	1	04/17/2025 18:35	WG2493454
Magnesium	2110000		24000	121000	1	04/17/2025 18:35	WG2493454
Manganese	133000		209	1210	1	04/17/2025 18:35	WG2493454
Potassium	1180000		25200	121000	1	04/17/2025 18:35	WG2493454
Sodium	193000		49700	121000	1	04/17/2025 18:35	WG2493454

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.17		1	04/18/2025 03:01	WG2493694



Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	218000		687	11300	1	04/17/2025 21:32	WG2490645

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.2		1	04/17/2025 12:12	WG2493124

Wet Chemistry by Method 365.4M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phosphorus, Total	602000		90700	113000	5	04/17/2025 22:27	WG2493715

Wet Chemistry by Method 4500N Org D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	218000		17200	22700	1	04/17/2025 21:32	WG2490645

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.08	<u>T8</u>	1	04/20/2025 12:17	WG2495253

Sample Narrative:

L1848881-12 WG2495253: 8.08 at 21.6C

Wet Chemistry by Method 9050A Mod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	844	umhos/cm		10.0	1	04/18/2025 06:02	WG2493838

Sample Narrative:

L1848881-12 WG2493838: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Bromide	U		4650	11300	1	04/17/2025 17:47	WG2493401
Chloride	29200		7200	22700	1	04/17/2025 17:47	WG2493401
Fluoride	1600	<u>J</u>	801	2270	1	04/17/2025 17:47	WG2493401
Nitrate as (N)	U		1080	11300	1	04/17/2025 17:47	WG2493401
Nitrite as (N)	U		687	11300	1	04/17/2025 17:47	WG2493401
Sulfate	497000		9350	56700	1	04/17/2025 17:47	WG2493401

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	3470000		25500	100000	1	04/18/2025 15:15	WG2493441

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hot Water Sol. Boron	213		16.7	200	1	04/20/2025 21:18	WG2495371

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Calcium	97800000		21600	113000	1	04/17/2025 18:37	WG2493454
Iron	56300000		5080	22700	2	04/17/2025 23:48	WG2493454
Magnesium	2620000		22600	113000	1	04/17/2025 18:37	WG2493454
Manganese	2080000		196	1130	1	04/17/2025 18:37	WG2493454
Potassium	1300000		23700	113000	1	04/17/2025 18:37	WG2493454
Sodium	252000		46700	113000	1	04/17/2025 18:37	WG2493454

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

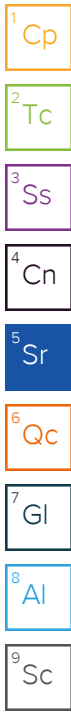
7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.55		1	04/18/2025 03:03	WG2493694



Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1100000		841	13900	1	04/17/2025 21:48	WG2490645

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	72.0		1	04/17/2025 12:12	WG2493124

Wet Chemistry by Method 365.4M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phosphorus, Total	495000		11000	139000	5	04/17/2025 22:29	WG2493715

Wet Chemistry by Method 4500N Org D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1100000		42200	55500	2	04/17/2025 21:48	WG2490645

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.92	<u>T8</u>	1	04/20/2025 12:20	WG2495259

Sample Narrative:

L1848881-13 WG2495259: 7.92 at 21.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1380	umhos/cm		10.0	1	04/18/2025 06:02	WG2493838

Sample Narrative:

L1848881-13 WG2493838: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Bromide	U		5690	13900	1	04/17/2025 16:34	WG2493404
Chloride	24800	<u>J</u>	8810	27800	1	04/17/2025 16:34	WG2493404
Fluoride	8910		980	2780	1	04/17/2025 16:34	WG2493404
Nitrate as (N)	U		1320	13900	1	04/17/2025 16:34	WG2493404
Nitrite as (N)	U		841	13900	1	04/17/2025 16:34	WG2493404
Sulfate	208000		11400	69400	1	04/17/2025 16:34	WG2493404

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	11000000		230000	900000	9	04/18/2025 15:15	WG2493441

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hot Water Sol. Boron	485		16.7	200	1	04/20/2025 20:34	WG2495372

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Calcium	17800000		26400	139000	1	04/17/2025 18:38	WG2493454
Iron	14200000		3110	13900	1	04/17/2025 18:38	WG2493454
Magnesium	5560000		27600	139000	1	04/17/2025 18:38	WG2493454
Manganese	198000		240	1390	1	04/17/2025 18:38	WG2493454
Potassium	2520000		29000	139000	1	04/17/2025 18:38	WG2493454
Sodium	283000		57200	139000	1	04/17/2025 18:38	WG2493454

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.16		1	04/18/2025 03:05	WG2493694

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	154000		717	11800	1	04/17/2025 21:34	WG2490645

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.4		1	04/17/2025 12:12	WG2493124

Wet Chemistry by Method 365.4M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phosphorus, Total	279000		37500	46800	2	04/17/2025 22:30	WG2493715

Wet Chemistry by Method 4500N Org D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	154000		17800	23400	1	04/17/2025 21:34	WG2490645

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.99	<u>T8</u>	1	04/20/2025 12:17	WG2495253

Sample Narrative:

L1848881-14 WG2495253: 7.99 at 21.4C

Wet Chemistry by Method 9050A Mod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	892	umhos/cm		10.0	1	04/18/2025 06:02	WG2493838

Sample Narrative:

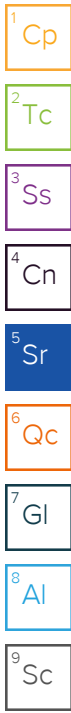
L1848881-14 WG2493838: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Bromide	U		4850	11800	1.01	04/17/2025 16:48	WG2493404
Chloride	21600	<u>J</u>	7510	23700	1.01	04/17/2025 16:48	WG2493404
Fluoride	U		835	2370	1.01	04/17/2025 16:48	WG2493404
Nitrate as (N)	U		1130	11800	1.01	04/17/2025 16:48	WG2493404
Nitrite as (N)	U		717	11800	1.01	04/17/2025 16:48	WG2493404
Sulfate	328000		9740	59100	1.01	04/17/2025 16:48	WG2493404

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	2940000		25500	100000	1	04/18/2025 15:16	WG2493441



Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hot Water Sol. Boron	213		16.7	200	1	04/20/2025 20:35	WG2495372

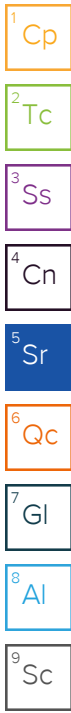
Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Calcium	3350000		22300	117000	1	04/17/2025 18:40	WG2493454
Iron	18400000		2620	11700	1	04/17/2025 18:40	WG2493454
Magnesium	884000		23300	117000	1	04/17/2025 18:40	WG2493454
Manganese	321000		203	1170	1	04/17/2025 18:40	WG2493454
Potassium	392000		24500	117000	1	04/17/2025 18:40	WG2493454
Sodium	168000		48300	117000	1	04/17/2025 18:40	WG2493454

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.78		1	04/18/2025 03:07	WG2493694



Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	232000		740	12200	1	04/17/2025 21:38	WG2490645

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.2		1	04/17/2025 12:12	WG2493124

Wet Chemistry by Method 365.4M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phosphorus, Total	204000		18800	23500	1	04/17/2025 21:34	WG2493715

Wet Chemistry by Method 4500N Org D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	232000		17800	23500	1	04/17/2025 21:38	WG2490645

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.04	<u>T8</u>	1	04/20/2025 12:17	WG2495253

Sample Narrative:

L1848881-15 WG2495253: 8.04 at 21.6C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	933	umhos/cm		10.0	1	04/18/2025 06:02	WG2493838

Sample Narrative:

L1848881-15 WG2493838: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Bromide	U		5000	12200	1.04	04/17/2025 17:01	WG2493404
Chloride	20100	<u>J</u>	7750	24400	1.04	04/17/2025 17:01	WG2493404
Fluoride	U		862	2440	1.04	04/17/2025 17:01	WG2493404
Nitrate as (N)	U		1160	12200	1.04	04/17/2025 17:01	WG2493404
Nitrite as (N)	U		740	12200	1.04	04/17/2025 17:01	WG2493404
Sulfate	268000		10100	61000	1.04	04/17/2025 17:01	WG2493404

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	1410000		25500	100000	1	04/18/2025 15:17	WG2493441

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hot Water Sol. Boron	143	J	16.7	200	1	04/20/2025 21:20	WG2495371

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Calcium	2110000		22300	117000	1	04/17/2025 18:42	WG2493454
Iron	27500000		2630	11700	1	04/17/2025 18:42	WG2493454
Magnesium	845000		23400	117000	1	04/17/2025 18:42	WG2493454
Manganese	513000		203	1170	1	04/17/2025 18:42	WG2493454
Potassium	273000		24500	117000	1	04/17/2025 18:42	WG2493454
Sodium	138000		48400	117000	1	04/17/2025 18:42	WG2493454

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.05		1	04/18/2025 03:08	WG2493694

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	36300		705	11600	1	04/17/2025 21:39	WG2490645

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.2		1	04/17/2025 12:12	WG2493124

Wet Chemistry by Method 365.4M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phosphorus, Total	175000		17700	22200	1	04/17/2025 21:35	WG2493715

Wet Chemistry by Method 4500N Org D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	36300		16900	22200	1	04/17/2025 21:39	WG2490645

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.14	<u>T8</u>	1	04/20/2025 12:17	WG2495253

Sample Narrative:

L1848881-16 WG2495253: 8.14 at 21.7C

Wet Chemistry by Method 9050A Mod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	715	umhos/cm		10.0	1	04/18/2025 06:02	WG2493838

Sample Narrative:

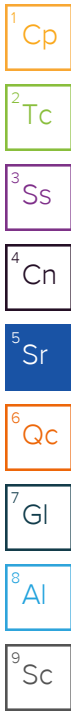
L1848881-16 WG2493838: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Bromide	U		4770	11600	1.05	04/17/2025 17:14	WG2493404
Chloride	16400	<u>J</u>	7400	23300	1.05	04/17/2025 17:14	WG2493404
Fluoride	U		822	2330	1.05	04/17/2025 17:14	WG2493404
Nitrate as (N)	U		1110	11600	1.05	04/17/2025 17:14	WG2493404
Nitrite as (N)	U		705	11600	1.05	04/17/2025 17:14	WG2493404
Sulfate	217000		9590	58200	1.05	04/17/2025 17:14	WG2493404

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	141000		25500	100000	1	04/18/2025 15:18	WG2493441



Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hot Water Sol. Boron	112	J	16.7	200	1	04/20/2025 21:22	WG2495371

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Calcium	2370000		21100	111000	1	04/17/2025 18:43	WG2493454
Iron	7870000		2480	11100	1	04/17/2025 18:43	WG2493454
Magnesium	513000		22100	111000	1	04/17/2025 18:43	WG2493454
Manganese	97900		192	1110	1	04/17/2025 18:43	WG2493454
Potassium	313000		23200	111000	1	04/17/2025 18:43	WG2493454
Sodium	135000		45700	111000	1	04/17/2025 18:43	WG2493454

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.13		1	04/18/2025 03:10	WG2493694

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	241000		862	14200	1	04/17/2025 21:41	WG2490645

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	70.3		1	04/17/2025 12:12	WG2493124

Wet Chemistry by Method 365.4M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phosphorus, Total	338000		45500	56900	2	04/17/2025 22:34	WG2493715

Wet Chemistry by Method 4500N Org D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	241000		21600	28400	1	04/17/2025 21:41	WG2490645

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.96	<u>T8</u>	1	04/20/2025 12:17	WG2495253

Sample Narrative:

L1848881-17 WG2495253: 7.96 at 22C

Wet Chemistry by Method 9050A Mod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1190	umhos/cm		10.0	1	04/18/2025 06:02	WG2493838

Sample Narrative:

L1848881-17 WG2493838: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Bromide	U		5830	14200	1	04/17/2025 17:28	WG2493404
Chloride	16700	<u>J</u>	9030	28400	1	04/17/2025 17:28	WG2493404
Fluoride	4370		1000	2840	1	04/17/2025 17:28	WG2493404
Nitrate as (N)	U		1350	14200	1	04/17/2025 17:28	WG2493404
Nitrite as (N)	U		862	14200	1	04/17/2025 17:28	WG2493404
Sulfate	149000		11700	71100	1	04/17/2025 17:28	WG2493404

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	16700000		382000	1500000	15	04/18/2025 15:21	WG2493441



Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hot Water Sol. Boron	562		16.7	200	1	04/20/2025 21:23	WG2495371

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Calcium	20800000		27000	142000	1	04/17/2025 18:45	WG2493454
Iron	12000000		3180	14200	1	04/17/2025 18:45	WG2493454
Magnesium	5260000		28300	142000	1	04/17/2025 18:45	WG2493454
Manganese	161000		246	1420	1	04/17/2025 18:45	WG2493454
Potassium	2120000		29700	142000	1	04/17/2025 18:45	WG2493454
Sodium	501000		58600	142000	1	04/17/2025 18:45	WG2493454

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.46		1	04/18/2025 03:12	WG2493694

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	40600		706	11700	1	04/17/2025 21:42	WG2490645

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.8		1	04/17/2025 12:12	WG2493124

Wet Chemistry by Method 365.4M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phosphorus, Total	159000	<u>J3</u>	18600	23300	1	04/17/2025 21:38	WG2493715

Wet Chemistry by Method 4500N Org D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	40600		17700	23300	1	04/17/2025 21:42	WG2490645

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.21	<u>T8</u>	1	04/20/2025 12:17	WG2495253

Sample Narrative:

L1848881-18 WG2495253: 8.21 at 21.9C

Wet Chemistry by Method 9050A Mod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1210	umhos/cm		10.0	1	04/18/2025 06:02	WG2493838

Sample Narrative:

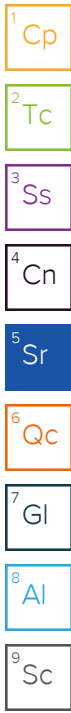
L1848881-18 WG2493838: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Bromide	5780	<u>J</u>	4780	11700	1	04/17/2025 16:13	WG2493404
Chloride	23700		7400	23300	1	04/17/2025 16:13	WG2493404
Fluoride	U		823	2330	1	04/17/2025 16:13	WG2493404
Nitrate as (N)	U		1110	11700	1	04/17/2025 16:13	WG2493404
Nitrite as (N)	U		706	11700	1	04/17/2025 16:13	WG2493404
Sulfate	341000		9600	58300	1	04/17/2025 16:13	WG2493404

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	306000		25500	100000	1	04/18/2025 15:21	WG2493441



Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hot Water Sol. Boron	159	J	16.7	200	1	04/20/2025 21:25	WG2495371

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Calcium	2530000		22100	117000	1	04/17/2025 18:47	WG2493454
Iron	4320000		2610	11700	1	04/17/2025 18:47	WG2493454
Magnesium	597000		23200	117000	1	04/17/2025 18:47	WG2493454
Manganese	53800		202	1170	1	04/17/2025 18:47	WG2493454
Potassium	309000		24400	117000	1	04/17/2025 18:47	WG2493454
Sodium	128000		48000	117000	1	04/17/2025 18:47	WG2493454

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.907		1	04/18/2025 03:14	WG2493694

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	382000		675	1100	1	04/17/2025 21:44	WG2490645

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.8		1	04/17/2025 12:12	WG2493124

Wet Chemistry by Method 365.4M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phosphorus, Total	580000		89100	110000	5	04/17/2025 22:35	WG2493715

Wet Chemistry by Method 4500N Org D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	378000		16900	22300	1	04/17/2025 21:44	WG2490645

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.00	<u>T8</u>	1	04/20/2025 12:17	WG2495253

Sample Narrative:

L1848881-19 WG2495253: 8 at 21.8C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	511	umhos/cm		10.0	1	04/18/2025 06:02	WG2493838

Sample Narrative:

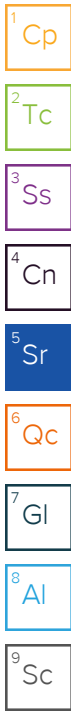
L1848881-19 WG2493838: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Bromide	U		4570	1100	1	04/17/2025 16:27	WG2493404
Chloride	18000	<u>J</u>	7070	22300	1	04/17/2025 16:27	WG2493404
Fluoride	3190		786	2230	1	04/17/2025 16:27	WG2493404
Nitrate as (N)	3730	<u>J</u>	1060	1100	1	04/17/2025 16:27	WG2493404
Nitrite as (N)	U		675	1100	1	04/17/2025 16:27	WG2493404
Sulfate	212000		9180	55700	1	04/17/2025 16:27	WG2493404

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	5610000		128000	500000	5	04/18/2025 14:41	WG2493449



Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hot Water Sol. Boron	319		16.7	200	1	04/20/2025 20:37	WG2495372

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Calcium	11500000		21200	111000	1	04/17/2025 18:52	WG2493454
Iron	19000000		2500	11100	1	04/17/2025 18:52	WG2493454
Magnesium	1880000		22200	111000	1	04/17/2025 18:52	WG2493454
Manganese	356000		193	1110	1	04/17/2025 18:52	WG2493454
Potassium	1470000		23300	111000	1	04/17/2025 18:52	WG2493454
Sodium	293000		45900	111000	1	04/17/2025 18:52	WG2493454

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.85		1	04/18/2025 03:19	WG2493694

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	78200		677	11200	1	04/17/2025 21:46	WG2490645

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.5		1	04/17/2025 12:12	WG2493124

Wet Chemistry by Method 365.4M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phosphorus, Total	119000		17900	22300	1	04/17/2025 21:42	WG2493715

Wet Chemistry by Method 4500N Org D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	78200		17000	22300	1	04/17/2025 21:46	WG2490645

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.15	<u>T8</u>	1	04/20/2025 12:17	WG2495253

Sample Narrative:

L1848881-20 WG2495253: 8.15 at 21.8C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	702	umhos/cm		10.0	1	04/18/2025 06:02	WG2493838

Sample Narrative:

L1848881-20 WG2493838: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Bromide	5560	<u>J</u>	4580	11200	1	04/17/2025 16:40	WG2493404
Chloride	18400	<u>J</u>	7090	22300	1	04/17/2025 16:40	WG2493404
Fluoride	915	<u>J</u>	789	2230	1	04/17/2025 16:40	WG2493404
Nitrate as (N)	U		1060	11200	1	04/17/2025 16:40	WG2493404
Nitrite as (N)	U		677	11200	1	04/17/2025 16:40	WG2493404
Sulfate	305000		9210	55900	1	04/17/2025 16:40	WG2493404

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	1870000		25500	100000	1	04/18/2025 15:21	WG2493441

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hot Water Sol. Boron	170	J	16.7	200	1	04/20/2025 21:27	WG2495371

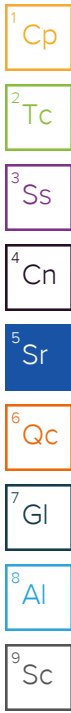
Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Calcium	2000000		21200	112000	1	04/17/2025 18:54	WG2493454
Iron	4740000		2500	11200	1	04/17/2025 18:54	WG2493454
Magnesium	443000		22200	112000	1	04/17/2025 18:54	WG2493454
Manganese	54700		193	1120	1	04/17/2025 18:54	WG2493454
Potassium	259000		23400	112000	1	04/17/2025 18:54	WG2493454
Sodium	269000		46000	112000	1	04/17/2025 18:54	WG2493454

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.23		1	04/18/2025 02:27	WG2493696



Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	490000		798	13200	1	04/17/2025 20:27	WG2493448

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	75.9		1	04/17/2025 12:22	WG2493127

Wet Chemistry by Method 365.4M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phosphorus, Total	337000		42200	52700	2	04/17/2025 20:22	WG2493692

Wet Chemistry by Method 4500N Org D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	490000		20000	26300	1	04/17/2025 20:27	WG2493448

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.02	T8	1	04/20/2025 12:17	WG2495253

Sample Narrative:

L1848881-21 WG2495253: 8.02 at 22C

Wet Chemistry by Method 9050A Mod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1160	umhos/cm		10.0	1	04/18/2025 06:00	WG2493845

Sample Narrative:

L1848881-21 WG2493845: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Bromide	U		5400	13200	1	04/17/2025 16:54	WG2493404
Chloride	20900	J	8370	26300	1	04/17/2025 16:54	WG2493404
Fluoride	10200		930	2630	1	04/17/2025 16:54	WG2493404
Nitrate as (N)	U		1250	13200	1	04/17/2025 16:54	WG2493404
Nitrite as (N)	U		798	13200	1	04/17/2025 16:54	WG2493404
Sulfate	291000		10900	65900	1	04/17/2025 16:54	WG2493404

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	4770000		230000	900000	9	04/18/2025 15:22	WG2493441

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hot Water Sol. Boron	333		16.7	200	1	04/20/2025 21:28	WG2495371

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Calcium	7700000		25000	132000	1	04/17/2025 18:55	WG2493454
Iron	12100000		2950	13200	1	04/17/2025 18:55	WG2493454
Magnesium	3240000		26200	132000	1	04/17/2025 18:55	WG2493454
Manganese	121000		228	1320	1	04/17/2025 18:55	WG2493454
Potassium	2250000		27500	132000	1	04/17/2025 18:55	WG2493454
Sodium	185000		54300	132000	1	04/17/2025 18:55	WG2493454

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.05		1	04/18/2025 02:28	WG2493696

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	408000		654	10800	1	04/17/2025 20:28	WG2493448

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.7		1	04/17/2025 12:22	WG2493127

Wet Chemistry by Method 365.4M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phosphorus, Total	302000	<u>J3</u>	34500	43200	2	04/17/2025 20:23	WG2493692

Wet Chemistry by Method 4500N Org D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	401000		16400	21600	1	04/17/2025 20:28	WG2493448

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.10	<u>T8</u>	1	04/20/2025 12:17	WG2495253

Sample Narrative:

L1848881-22 WG2495253: 8.1 at 22.1C

Wet Chemistry by Method 9050A Mod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	370	umhos/cm		10.0	1	04/18/2025 06:00	WG2493845

Sample Narrative:

L1848881-22 WG2493845: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Bromide	U		4420	10800	1	04/17/2025 17:07	WG2493404
Chloride	9660	<u>J</u>	6850	21600	1	04/17/2025 17:07	WG2493404
Fluoride	1220	<u>J</u>	762	2160	1	04/17/2025 17:07	WG2493404
Nitrate as (N)	6780	<u>J</u>	1030	10800	1	04/17/2025 17:07	WG2493404
Nitrite as (N)	U		654	10800	1	04/17/2025 17:07	WG2493404
Sulfate	170000		8890	53900	1	04/17/2025 17:07	WG2493404

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	7320000		25500	100000	1	04/18/2025 14:41	WG2493449



Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hot Water Sol. Boron	192	J	16.7	200	1	04/20/2025 21:30	WG2495371

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Calcium	6810000		20500	108000	1	04/17/2025 18:57	WG2493454
Iron	7940000		2420	10800	1	04/17/2025 18:57	WG2493454
Magnesium	1800000		21500	108000	1	04/17/2025 18:57	WG2493454
Manganese	124000		187	1080	1	04/17/2025 18:57	WG2493454
Potassium	1320000		22500	108000	1	04/17/2025 18:57	WG2493454
Sodium	407000		44400	108000	1	04/17/2025 18:57	WG2493454

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	4.30		1	04/18/2025 02:30	WG2493696

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	758000		912	15100	1	04/17/2025 20:31	WG2493448

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	66.4		1	04/17/2025 12:22	WG2493127

Wet Chemistry by Method 365.4M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phosphorus, Total	705000		120000	151000	5	04/17/2025 20:26	WG2493692

Wet Chemistry by Method 4500N Org D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	758000		22900	30100	1	04/17/2025 20:31	WG2493448

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.62	<u>T8</u>	1	04/20/2025 12:17	WG2495253

Sample Narrative:

L1848881-23 WG2495253: 7.62 at 22.1C

Wet Chemistry by Method 9050A Mod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1470	umhos/cm		10.0	1	04/18/2025 06:00	WG2493845

Sample Narrative:

L1848881-23 WG2493845: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Bromide	6520	<u>J</u>	6170	15100	1	04/17/2025 17:41	WG2493404
Chloride	456000		9560	30100	1	04/17/2025 17:41	WG2493404
Fluoride	7110		1060	3010	1	04/17/2025 17:41	WG2493404
Nitrate as (N)	U		1430	15100	1	04/17/2025 17:41	WG2493404
Nitrite as (N)	U		912	15100	1	04/17/2025 17:41	WG2493404
Sulfate	766000		12400	75300	1	04/17/2025 17:41	WG2493404

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	13000000		230000	900000	9	04/18/2025 14:42	WG2493449



Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hot Water Sol. Boron	748		16.7	200	1	04/20/2025 21:35	WG2495371

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Calcium	8470000		28600	151000	1	04/17/2025 18:59	WG2493454
Iron	30800000		3370	15100	1	04/17/2025 18:59	WG2493454
Magnesium	2510000		30000	151000	1	04/17/2025 18:59	WG2493454
Manganese	400000		260	1510	1	04/17/2025 18:59	WG2493454
Potassium	1520000		31500	151000	1	04/17/2025 18:59	WG2493454
Sodium	495000		62000	151000	1	04/17/2025 18:59	WG2493454

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.48		1	04/18/2025 02:32	WG2493696

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

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	563000		705	11600	1	04/18/2025 05:25	WG2493448

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.9		1	04/17/2025 12:22	WG2493127

Wet Chemistry by Method 365.4M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phosphorus, Total	365000		37200	46500	2	04/17/2025 20:27	WG2493692

Wet Chemistry by Method 4500N Org D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	563000		17700	23300	1	04/17/2025 20:32	WG2493448

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.93	T8	1	04/20/2025 12:17	WG2495253

Sample Narrative:

L1848881-24 WG2495253: 7.93 at 22.1C

Wet Chemistry by Method 9050A Mod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	722	umhos/cm		10.0	1	04/18/2025 06:00	WG2493845

Sample Narrative:

L1848881-24 WG2493845: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Bromide	U		4770	11600	1	04/18/2025 05:25	WG2493767
Chloride	58900		7390	23300	1	04/18/2025 05:25	WG2493767
Fluoride	3180	P1	821	2330	1	04/18/2025 05:25	WG2493767
Nitrate as (N)	U		1110	11600	1	04/18/2025 05:25	WG2493767
Nitrite as (N)	U		705	11600	1	04/18/2025 05:25	WG2493767
Sulfate	251000	P1	9590	58200	1	04/18/2025 05:25	WG2493767

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	4570000		25500	100000	1	04/18/2025 14:43	WG2493449

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hot Water Sol. Boron	313		16.7	200	1	04/20/2025 21:37	WG2495371

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Calcium	9530000	J3 V	22100	116000	1	04/17/2025 18:14	WG2493454
Iron	8250000	J3 O1 V	2610	11600	1	04/17/2025 18:14	WG2493454
Magnesium	2610000	J3 J5 J6	23200	116000	1	04/17/2025 18:14	WG2493454
Manganese	146000	J3 J5 J6	201	1160	1	04/17/2025 18:14	WG2493454
Potassium	1640000	J6	24300	116000	1	04/17/2025 18:14	WG2493454
Sodium	170000		47900	116000	1	04/17/2025 18:14	WG2493454

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4201255-1 04/17/25 11:56

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

¹Cp

²Tc

³Ss

L1848881-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1848881-01 04/17/25 11:56 • (DUP) R4201255-3 04/17/25 11:56

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits
Total Solids	85.4	85.4	1	0.0241		10

⁴Cn

⁵Sr

Laboratory Control Sample (LCS)

(LCS) R4201255-2 04/17/25 11:56

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4201257-1 04/17/25 12:12

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

1 Cp

2 Tc

3 Ss

L1848881-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1848881-11 04/17/25 12:12 • (DUP) R4201257-3 04/17/25 12:12

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits
Total Solids	82.8	81.4	1	1.72		10

4 Cn

5 Sr

6 Qc

Laboratory Control Sample (LCS)

(LCS) R4201257-2 04/17/25 12:12

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4201252-1 04/17/25 12:22

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000			

1 Cp

2 Tc

3 Ss

L1848881-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1848881-21 04/17/25 12:22 • (DUP) R4201252-3 04/17/25 12:22

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	75.9	76.2	1	0.375		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4201252-2 04/17/25 12:22

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4201292-1 04/17/25 20:05

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Phosphorus,Total	U		16000	20000

L1848881-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1848881-22 04/17/25 20:23 • (DUP) R4201292-5 04/17/25 20:25

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Phosphorus,Total	302000	393000	2	26.1	<u>J3</u>	25

Laboratory Control Sample (LCS)

(LCS) R4201292-2 04/17/25 20:07

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Phosphorus,Total	67400	65600	97.3	85.0-115	

L1847582-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1847582-05 04/17/25 20:09 • (MS) R4201292-3 04/17/25 20:11 • (MSD) R4201292-4 04/17/25 20:12

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Phosphorus,Total	205000	125000	257000	260000	64.2	65.4	1	50.0-150	<u>E</u>	<u>E</u>	0.968	25

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4201333-1 04/17/25 21:03

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Phosphorus,Total	U		16000	20000

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1848881-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1848881-18 04/17/25 21:38 • (DUP) R4201333-3 04/17/25 21:39

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Phosphorus,Total	159000	114000	1	33.1	J3	25

L1848881-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1848881-08 04/17/25 22:22 • (DUP) R4201333-7 04/17/25 22:23

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Phosphorus,Total	267000	421000	2	44.7	J3	25

Laboratory Control Sample (LCS)

(LCS) R4201333-2 04/17/25 21:05

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Phosphorus,Total	67400	64000	95.0	85.0-115	

L1848881-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1848881-05 04/17/25 22:13 • (MS) R4201333-5 04/17/25 22:15 • (MSD) R4201333-6 04/17/25 22:16

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Phosphorus,Total	221000	349000	494000	468000	65.7	53.9	5	50.0-150			5.41	25

Method Blank (MB)

(MB) R4201867-1 04/18/25 19:35

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Phosphorus,Total	16500	<u>J</u>	16000	20000

¹Cp

²Tc

³Ss

L1849449-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1849449-02 04/18/25 19:52 • (DUP) R4201867-2 04/18/25 19:54

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Phosphorus,Total	246000	215000	2	13.2		25

⁴Cn

⁵Sr

Laboratory Control Sample (LCS)

(LCS) R4201867-5 04/18/25 20:14

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Phosphorus,Total	67400	70000	104	85.0-115	

⁶Qc

⁷Gl

⁸Al

L1849449-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1849449-03 04/18/25 19:56 • (MS) R4201867-3 04/18/25 19:55 • (MSD) R4201867-4 04/18/25 19:58

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Phosphorus,Total	200000	296000	377000	343000	40.5	23.6	5	50.0-150	<u>J6</u>	<u>J6</u>	9.43	25

⁹Sc

Method Blank (MB)

(MB) R4201317-1 04/17/25 21:07

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Kjeldahl Nitrogen, TKN	U		15200	20000

L1848881-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1848881-08 04/17/25 21:25 • (DUP) R4201317-6 04/17/25 21:27

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Kjeldahl Nitrogen, TKN	239000	238000	1	0.731		20

L1848881-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1848881-18 04/17/25 21:42 • (DUP) R4201317-7 04/17/25 21:43

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Kjeldahl Nitrogen, TKN	40600	43800	1	7.58		20

Laboratory Control Sample (LCS)

(LCS) R4201317-2 04/17/25 21:09

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Kjeldahl Nitrogen, TKN	240000	222000	92.5	80.0-120	

L1848881-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1848881-05 04/17/25 21:16 • (MS) R4201317-4 04/17/25 21:18 • (MSD) R4201317-5 04/17/25 21:19

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Kjeldahl Nitrogen, TKN	442000	348000	559000	611000	47.8	59.6	1	85.0-115	<u>J6</u>	<u>J6</u>	8.89	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4201290-1 04/17/25 20:21

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Kjeldahl Nitrogen, TKN	U		15200	20000

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1848881-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1848881-22 04/17/25 20:28 • (DUP) R4201290-5 04/17/25 20:30

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Kjeldahl Nitrogen, TKN	401000	487000	1	19.3		20

Laboratory Control Sample (LCS)

(LCS) R4201290-2 04/17/25 20:22

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Kjeldahl Nitrogen, TKN	240000	226000	94.2	80.0-120	

L1847582-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1847582-05 04/17/25 20:23 • (MS) R4201290-3 04/17/25 20:25 • (MSD) R4201290-4 04/17/25 20:26

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Kjeldahl Nitrogen, TKN	410000	38900	262000	268000	54.4	55.9	1	85.0-115	<u>J6</u>	<u>J6</u>	2.37	20

Method Blank (MB)

(MB) R4201855-1 04/18/25 18:57

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Kjeldahl Nitrogen, TKN	U		15200	20000

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1849449-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1849449-02 04/18/25 19:03 • (DUP) R4201855-4 04/18/25 19:04

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Kjeldahl Nitrogen, TKN	412000	190000	1	73.8	<u>J3</u>	20

Laboratory Control Sample (LCS)

(LCS) R4201855-2 04/18/25 18:58

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Kjeldahl Nitrogen, TKN	240000	240000	100	80.0-120	

L1848881-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1848881-04 04/18/25 18:59 • (MS) R4201855-3 04/18/25 19:01

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Kjeldahl Nitrogen, TKN	436000	94900	371000	63.2	1	85.0-115	<u>J6</u>

L1849449-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1849449-03 04/18/25 19:06 • (MS) R4201855-5 04/18/25 19:07 • (MSD) R4201855-6 04/18/25 19:11

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Kjeldahl Nitrogen, TKN	400000	286000	533000	532000	61.7	61.4	1	85.0-115	<u>J6</u>	<u>J6</u>	0.250	20

L1848881-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1848881-02 04/20/25 12:17 • (DUP) R4202245-2 04/20/25 12:17

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
su	su			%		%
pH	7.77	7.75	1	0.258		1

Sample Narrative:

OS: 7.77 at 21.8C
DUP: 7.75 at 21.8C

L1848881-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1848881-24 04/20/25 12:17 • (DUP) R4202245-3 04/20/25 12:17

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
su	su			%		%
pH	7.93	7.94	1	0.126		1

Sample Narrative:

OS: 7.93 at 22.1C
DUP: 7.94 at 22.1C

Laboratory Control Sample (LCS)

(LCS) R4202245-1 04/20/25 12:17

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
su	su		%	%	
pH	10.0	10.0	100	99.0-101	

Sample Narrative:

LCS: 10.01 at 21.3C

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

L1848881-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1848881-01 04/20/25 12:20 • (DUP) R4202244-2 04/20/25 12:20

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.00	8.00	1	0.000		1

Sample Narrative:

OS: 8 at 21.8C
DUP: 8 at 21.9C

Laboratory Control Sample (LCS)

(LCS) R4202244-1 04/20/25 12:20

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

Sample Narrative:

LCS: 9.99 at 21.6C

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

Method Blank (MB)

(MB) R4201428-1 04/18/25 06:02

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Specific Conductance	U		10.0	10.0

Sample Narrative:

BLANK: at 25C

L1848881-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1848881-01 04/18/25 06:02 • (DUP) R4201428-3 04/18/25 06:02

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	925	930	1	0.539		20

Sample Narrative:

OS: at 25C

DUP: at 25C

L1848881-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1848881-20 04/18/25 06:02 • (DUP) R4201428-4 04/18/25 06:02

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	702	700	1	0.285		20

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4201428-2 04/18/25 06:02

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Specific Conductance	1130	1170	103	85.0-115	

Sample Narrative:

LCS: at 25C

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4201427-1 04/18/25 06:00

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

Sample Narrative:

BLANK: at 25C

L1848881-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1848881-21 04/18/25 06:00 • (DUP) R4201427-3 04/18/25 06:00

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits
Specific Conductance	1160	1170	1	1.20		20

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4201427-2 04/18/25 06:00

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	1130	1030	91.4	85.0-115	

Sample Narrative:

LCS: at 25C



Method Blank (MB)

(MB) R4201295-1 04/17/25 15:54

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/kg		ug/kg	ug/kg
Bromide	U		4100	10000
Chloride	U		6350	20000
Fluoride	U		706	2000
Nitrate as (N)	U		952	10000
Nitrite as (N)	U		606	10000
Sulfate	U		8240	50000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1848881-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1848881-04 04/17/25 17:02 • (DUP) R4201295-3 04/17/25 17:15

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/kg	ug/kg		%		%
Bromide	U	U	1	0.000		15
Chloride	57500	33000	1	54.2	P1	15
Fluoride	U	U	1	0.000		15
Nitrate as (N)	U	U	1	0.000		15
Nitrite as (N)	U	U	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R4201295-2 04/17/25 16:08

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/kg	ug/kg	%	%	
Bromide	200000	206000	103	80.0-120	
Chloride	200000	195000	97.4	80.0-120	
Fluoride	20000	18600	93.1	80.0-120	
Nitrate as (N)	20000	20600	103	80.0-120	
Nitrite as (N)	20000	20400	102	80.0-120	
Sulfate	200000	210000	105	80.0-120	

L1848881-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1848881-04 04/17/25 17:02 • (MS) R4201295-4 04/17/25 17:28 • (MSD) R4201295-5 04/17/25 17:42

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/kg	ug/kg	ug/kg	ug/kg	%	%		%			%	%
Bromide	218000	U	218000	211000	100	96.8	1	80.0-120			3.31	15
Chloride	218000	57500	258000	238000	91.9	82.5	1	80.0-120			8.31	15

L1848881-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1848881-04 04/17/25 17:02 • (MS) R4201295-4 04/17/25 17:28 • (MSD) R4201295-5 04/17/25 17:42

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Fluoride	21800	U	22000	22400	101	102	1	80.0-120			1.53	15
Nitrate as (N)	21800	U	20200	20200	92.6	92.5	1	80.0-120			0.0320	15
Nitrite as (N)	21800	U	22000	21000	101	96.4	1	80.0-120			4.43	15
Sulfate	218000	1050000	1250000	943000	91.2	0.000	1	80.0-120	<u>E</u>	<u>J3 V</u>	28.1	15

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4201301-1 04/17/25 16:07

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Bromide	U		4100	10000
Chloride	U		6350	20000
Fluoride	U		706	2000
Nitrate as (N)	U		952	10000
Nitrite as (N)	U		606	10000
Sulfate	U		8240	50000

Laboratory Control Sample (LCS)

(LCS) R4201301-2 04/17/25 16:21

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromide	200000	202000	101	80.0-120	
Chloride	200000	201000	101	80.0-120	
Fluoride	20000	16300	81.3	80.0-120	
Nitrate as (N)	20000	18900	94.5	80.0-120	
Nitrite as (N)	20000	20400	102	80.0-120	
Sulfate	200000	199000	99.3	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) R4201435-1 04/18/25 03:41

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/kg		ug/kg	ug/kg
Bromide	U		4100	10000
Chloride	U		6350	20000
Fluoride	U		706	2000
Nitrate as (N)	U		952	10000
Nitrite as (N)	U		606	10000
Sulfate	U		8240	50000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1848881-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1848881-04 04/18/25 04:07 • (DUP) R4201435-3 04/18/25 04:20

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/kg	ug/kg		%		%
Bromide	U	U	1	0.000		15
Chloride	33400	35800	1	6.82		15
Fluoride	U	U	1	0.000		15
Nitrate as (N)	U	U	1	0.000		15
Nitrite as (N)	U	U	1	0.000		15
Sulfate	638000	665000	1	4.12		15

L1848881-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1848881-24 04/18/25 05:25 • (DUP) R4201435-7 04/18/25 05:37

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/kg	ug/kg		%		%
Bromide	U	U	1	0.000		15
Chloride	58900	50700	1	14.9		15
Fluoride	3180	1870	1	52.0	J P1	15
Nitrate as (N)	U	U	1	0.000		15
Nitrite as (N)	U	U	1	0.000		15
Sulfate	251000	211000	1	17.0	P1	15

Laboratory Control Sample (LCS)

(LCS) R4201435-2 04/18/25 03:54

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Bromide	200000	200000	99.8	80.0-120	
Chloride	200000	202000	101	80.0-120	
Fluoride	20000	17200	85.8	80.0-120	
Nitrate as (N)	20000	19000	95.0	80.0-120	
Nitrite as (N)	20000	20300	101	80.0-120	
Sulfate	200000	201000	101	80.0-120	

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

L1848881-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1848881-04 04/18/25 04:07 • (MS) R4201435-4 04/18/25 04:33 • (MSD) R4201435-5 04/18/25 04:46

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Bromide	218000	U	214000	212000	98.2	97.0	1	80.0-120			1.26	15
Chloride	218000	33400	253000	257000	100	102	1	80.0-120			1.61	15
Fluoride	21800	U	22000	21600	101	99.2	1	80.0-120			1.64	15
Nitrate as (N)	21800	U	20200	19900	92.7	91.3	1	80.0-120			1.56	15
Nitrite as (N)	21800	U	21900	21600	100	99.2	1	80.0-120			1.20	15
Sulfate	218000	638000	860000	906000	102	123	1	80.0-120		J5	5.18	15

L1848881-24 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1848881-24 04/18/25 05:25 • (MS) R4201435-8 04/18/25 05:50 • (MSD) R4201435-9 04/18/25 06:03

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Bromide	233000	U	224000	226000	96.2	97.0	1	80.0-120			0.819	15
Chloride	233000	58900	297000	286000	102	97.6	1	80.0-120			3.81	15
Fluoride	23300	3180	22100	23900	81.4	89.2	1	80.0-120			7.95	15
Nitrate as (N)	23300	U	22400	22500	96.3	96.6	1	80.0-120			0.300	15
Nitrite as (N)	23300	U	22800	23000	98.0	98.7	1	80.0-120			0.807	15
Sulfate	233000	251000	497000	468000	106	93.3	1	80.0-120			6.12	15

Method Blank (MB)

(MB) R4201730-1 04/18/25 15:03

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC By Walkley Black	U		25500	100000

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1848881-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1848881-04 04/18/25 15:10 • (DUP) R4201730-3 04/18/25 15:10

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC By Walkley Black	818000	674000	1	19.3		20

L1848881-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1848881-15 04/18/25 15:17 • (DUP) R4201730-6 04/18/25 15:18

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC By Walkley Black	1410000	1180000	1	17.7		20

Laboratory Control Sample (LCS)

(LCS) R4201730-2 04/18/25 15:03

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC By Walkley Black	4890000	6310000	129	75.0-144	

L1848881-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1848881-04 04/18/25 15:10 • (MS) R4201730-4 04/18/25 15:10 • (MSD) R4201730-5 04/18/25 15:11

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC By Walkley Black	4000000	818000	4990000	4920000	104	102	1	80.0-120			1.41	20

Method Blank (MB)

(MB) R4201683-1 04/18/25 14:38

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC By Walkley Black	U		25500	100000

L1848881-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1848881-24 04/18/25 14:43 • (DUP) R4201683-3 04/18/25 14:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC By Walkley Black	4570000	4410000	1	3.74		20

Laboratory Control Sample (LCS)

(LCS) R4201683-2 04/18/25 14:40

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC By Walkley Black	4890000	6130000	125	75.0-144	

L1848881-24 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1848881-24 04/18/25 14:43 • (MS) R4201683-4 04/18/25 14:46 • (MSD) R4201683-5 04/18/25 14:47

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC By Walkley Black	4000000	4570000	8240000	7950000	91.6	84.4	1	80.0-120			3.60	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4202522-1 04/20/25 20:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hot Water Sol. Boron	U		16.7	200

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

(LCS) R4202522-2 04/20/25 20:57 • (LCSD) R4202522-3 04/20/25 20:59

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 %
Hot Water Sol. Boron	1000	1040	1050	104	105	80.0-120			0.244	20

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

Method Blank (MB)

(MB) R4202521-1 04/20/25 20:26

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hot Water Sol. Boron	U		16.7	200

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

(LCS) R4202521-2 04/20/25 20:27 • (LCSD) R4202521-3 04/20/25 20:29

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 %
Hot Water Sol. Boron	1000	1010	1000	101	100	80.0-120			0.211	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4201397-1 04/17/25 18:36

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Calcium	U		19000	100000
Iron	U		2240	10000
Magnesium	U		19900	100000
Manganese	U		173	1000
Potassium	U		20900	100000
Sodium	U		41200	100000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4201397-2 04/17/25 18:37

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Calcium	1000000	998000	99.8	80.0-120	
Iron	1000000	973000	97.3	80.0-120	
Magnesium	1000000	958000	95.8	80.0-120	
Manganese	100000	106000	106	80.0-120	
Potassium	1000000	1030000	103	80.0-120	
Sodium	1000000	1020000	102	80.0-120	

L1848881-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1848881-05 04/17/25 18:39 • (MS) R4201397-5 04/17/25 18:45 • (MSD) R4201397-6 04/17/25 18:46

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Calcium	1110000	8480000	9650000	7950000	106	0.000	1	75.0-125		V	19.3	20
Iron	1110000	5160000	5490000	4820000	30.1	0.000	1	75.0-125	V	V	13.1	20
Magnesium	1110000	1710000	2710000	2310000	91.0	54.2	1	75.0-125		J6	16.2	20
Manganese	111000	114000	206000	191000	83.1	69.9	1	75.0-125		J6	7.34	20
Potassium	1110000	794000	1790000	1630000	90.2	75.4	1	75.0-125			9.56	20
Sodium	1110000	112000	1190000	1120000	97.6	91.0	1	75.0-125			6.29	20

Method Blank (MB)

(MB) R4201311-1 04/17/25 18:11

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Calcium	U		19000	100000
Iron	U		2240	10000
Magnesium	U		19900	100000
Manganese	U		173	1000
Potassium	U		20900	100000
Sodium	U		41200	100000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4201311-2 04/17/25 18:13

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Calcium	1000000	1040000	104	80.0-120	
Iron	1000000	1020000	102	80.0-120	
Magnesium	1000000	1080000	108	80.0-120	
Manganese	100000	103000	103	80.0-120	
Potassium	1000000	1070000	107	80.0-120	
Sodium	1000000	1070000	107	80.0-120	

L1848881-24 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1848881-24 04/17/25 18:14 • (MS) R4201311-5 04/17/25 18:20 • (MSD) R4201311-6 04/17/25 18:21

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Calcium	1160000	9530000	7230000	11000000	0.000	130	1	75.0-125	V	J3 V	41.6	20
Iron	1160000	8250000	8370000	17600000	10.3	802	1	75.0-125	V	J3 V	71.0	20
Magnesium	1160000	2610000	3140000	4090000	45.8	127	1	75.0-125	J6	J3 J5	26.0	20
Manganese	116000	146000	195000	498000	42.2	302	1	75.0-125	J6	J3 J5	87.4	20
Potassium	1160000	1640000	2480000	2710000	71.6	92.0	1	75.0-125	J6		9.15	20
Sodium	1160000	170000	1280000	1340000	95.7	101	1	75.0-125			4.57	20

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	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.
J3	The associated batch QC was outside the established quality control range for precision.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
T8	Sample(s) received past/too close to holding time expiration.
V	The sample concentration is too high to evaluate accurate spike recoveries.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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:
CTEH

Billing Information:
Ctenap@montrose-env.com
Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 3

Report to: labresults; Kyle Lawrence; Lisa Howes
ANDREW HENAUIT

Email To: labresults@cteh.com;
kylalawrence@cteh.com; lhowes@cteh.com;
ahenauit@cteh.com

Project Description:

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

Please Circle: PT CT ET

Phone:

Client Project #
PROJ-054817

Lab Project #
CTEHER-054817

Collected by (print):
K BURROWS

Site/Facility ID #
CHEVRON GALETON, CO

P.O. #

Collected by (signature):
KB

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

Immediately Packed on Ice N Y

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	300.0 - ANIONS	300.0 - CATIONS	415.1 - Total Organic Carbon	20B - Sodium Adsorption Ratio	9050A - Electrical Conductivity	901.1 - RADIONUCLIDES
GA008410EX001-A	Grab	SS	-	04/10/25	1154	5	X	X	X	X	X	X
GA008410EX002-A	Grab	SS	-	04/10/25	1210	5	X	X	X	X	X	X
GA008410EX003-A	Grab	SS	-	04/10/25	1215	5	X	X	X	X	X	X
GA008410EX004-A	Grab	SS	-	04/10/25	1247	5	X	X	X	X	X	X
GA008410EX005-A	Grab	SS	-	04/10/25	1300	5	X	X	X	X	X	X
GA008410EX006-A	Grab	SS	-	04/10/25	1319	5	X	X	X	X	X	X
GA008410EX007-A	Grab	SS	-	04/10/25	1301	5	X	X	X	X	X	X
GA008410EX008-A	Grab	SS	-	04/10/25	1248	5	X	X	X	X	X	X
GA008410EX009-A	Grab	SS	-	04/10/25	1332	5	X	X	X	X	X	X
GA008410EX010-A	Grab	SS	-	04/10/25	1327	5	X	X	X	X	X	X

<p>KB 04/10/25</p>											



12065 Lebanon Rd Mount Juliet, TN 37122
Phone: 615-758-5858 Alt: 800-767-5859
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 # **L1848881**

F019

Acctnum:
Template:
Prelogin:
PM:
PB:
Shipped Via:

Remarks	Sample # (lab only)
	01
	02
	03
	04
	05
	06
	07
	08
	09
	10

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

Remarks:
pH _____ Temp _____
Flow _____ Other _____
Samples returned via:
 UPS FedEx Courier _____
Tracking # _____

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

Relinquished by: (Signature)
KB

Date: **04/10/25**
Time: **16:49**

Received by: (Signature)
[Signature]

Trip Blank Received: Yes/No
HCL/MeOH
TBR
Temp: _____ °C
Bottles Received: **170**

If preservation required by Login: Date/Time
Hold:
Condition: NCF / **OK**

Relinquished by: (Signature)
[Signature]

Date: **4-16-25**
Time: **10:00**

Received by: (Signature)
CRAPER

Date: **04-17-25**
Time: **1015**

Company Name/Address:
CTEH

Billing Information:
Ctehap@montrose-env.com

Analysis / Container / Preservative
Pres Chk

Chain of Custody Page 1 of 1
Pace
PEOPLE ADVANCING SCIENCE

Report to: Lab results, Lisa Howes,
Kyle Lawrence, Andrew Henault

Email To: labresults@cteh.com;
kyle.lawrence@cteh.com, lhowes@cteh.com, ahenault@cteh.com

300.0 - ANIONS
300.0 - CATIONS
415.1 - TOTAL ORGANIC CARBON
20B - SODIUM ADSORPTION RATIO
905DA - ELECTRICAL CONDUCTIVITY
9101.1 - RADIONUCLIDES

12065 Lebanon Rd Mount Juliet, TN 37122
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Project Description:
Phone:
Client Project #
Lab Project #

Collected by (print):
K. Burrows

City/State Collected: Galenon, CO
Please Circle: MT CT ET

SDG # 11808855
Table #
Acctnum:
Template:
Prelogin:
PM:
PB:

Shipped Via:
Remarks
Sample # (lab only)

Collected by (signature):
KB

Site/Facility ID #
Chevron Galenon, CO

Quote #
Date Results Needed

#B
8/4/14/25

Shipped Via:
Remarks
Sample # (lab only)

Immediately Packed on Ice N Y

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

No. of Cntrs

Sample ID

Sample # (lab only)

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	300.0 - ANIONS	300.0 - CATIONS	415.1 - TOTAL ORGANIC CARBON	20B - SODIUM ADSORPTION RATIO	905DA - ELECTRICAL CONDUCTIVITY	9101.1 - RADIONUCLIDES	Remarks	Sample # (lab only)
GAC00416EX011-A	Grab	SS	-	8/4/14/25	1330	5	X	X	X	X	X	X		11
GAC00416EX012-A	Grab	SS	-	8/4/14/25	1332	5	X	X	X	X	X	X		12
GAC00416EX013-A	Grab	SS	-	8/4/14/25	1130	5	X	X	X	X	X	X		13
GAC00416EX014-A	Grab	SS	-	8/4/14/25	1132	5	X	X	X	X	X	X		14
GAC00416EX015-A	Grab	SS	-	8/4/14/25	1145	5	X	X	X	X	X	X		15
GAC00416EX016-A	Grab	SS	-	8/4/14/25	1155	5	X	X	X	X	X	X		16
GAC00416EX017-A	Grab	SS	-	8/4/14/25	1213	5	X	X	X	X	X	X		18
GAC00416EX018-A	Grab	SS	-	8/4/14/25	1218	5	X	X	X	X	X	X		18
GAC00416EX019-A	Grab	SS	-	8/4/14/25	1225	5	X	X	X	X	X	X		20
GAC00416EX020-A	Grab	SS	-	8/4/14/25	1245	5	X	X	X	X	X	X		20

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

Remarks:
Samples returned via:
UPS FedEx Courier

pH _____ Temp _____
Flow _____ Other _____

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

Relinquished by: (Signature)
Date: 8/4/14/25
Time: 16:49

Received by: (Signature)
Date: 8-16-25
Time: 14:00

Received by: (Signature)
Date: 8-16-25
Time: 14:00

Trip Blank Received: Yes/No
HCL/MeOH TBR
Temp: °C Bottles Received: 120

If preservation required by Login: Date/Time
Hold:
Condition: NCF / OK

CTEH

ctehap@montrose-chem.com

Report to: Lab results, Kyle Lawrence
Lisa Hones, Andrew Henaault

Email To: labresults@cteh.com
kylalawrence@cteh.com, lhones@cteh.com, ahenaault@cteh.com

Project Description:

City/State Collected: Galetaon, CO

Please Circle: PT (MT) CT ET

Phone:

Client Project #

Lab Project #

Collected by (print):
K Burrows

Site/Facility ID #
chevron Galetaon, CO

P.O. #

Collected by (signature):
KB

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

Immediately Packed on Ice N Y X

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	300.0 - ANIONS	300.0 - CATIONS	415.1 - TOTAL ORGANIC CARBON	20B - SODIUM ADSORPTION RATIO	910B A - ELECTRICAL CONDUCTIVITY	910.1 - RADIIORADIUMS
GAC00416EX021-A	Grab	SS	-	04/10/25	1255	5	X	X	X	X	X	X
GAC00416EX022-A	Grab	SS	-	04/10/25	1258	5	X	X	X	X	X	X
GAC00416EX023-A	Grab	SS	-	04/10/25	1305	5	X	X	X	X	X	X
GAC00416EX024-A	Grab	SS	-	04/10/25	1315	5	X	X	X	X	X	X
<u>KB 04/10/25</u>												

Pace
PEOPLE ADVANCING SCIENCE

12065 Lebanon Rd Mount Juliet, TN 37122
Phone: 615-758-5858 Alt: 800-767-5859

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SDG # 1548861

Table #

Acctnum:

Template:

Prelogin:

PM:

PB:

Shipped Via:

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

Remarks:

Samples returned via: UPS FedEx Courier

Tracking #

pH _____ Temp _____

Flow _____ Other _____

Sample Receipt Checklist

COC Seal Present/Intact: NP Y N

COC Signed/Accurate: Y N

Bottles arrive intact: Y N

Correct bottles used: Y N

Sufficient volume sent: Y N

If Applicable

VOA Zero Headspace: Y N

Preservation Correct/Checked: Y N

RAD Screen <0.5 mR/hr: Y N

Relinquished by: (Signature) <u>KB</u>	Date: <u>04/10/25</u>	Time: <u>16:49</u>	Received by: (Signature) <u>[Signature]</u>	Trip Blank Received: Yes/ <input checked="" type="checkbox"/> No
Relinquished by: (Signature) <u>[Signature]</u>	Date: <u>4-16-25</u>	Time: <u>14:00</u>	Received by: (Signature) <u>SWA</u>	Temp: _____ °C Bottles Received: <u>120</u>
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) <u>[Signature]</u>	Date: <u>04-17-25</u> Time: <u>10:15</u>

Hold: Condition: NCF OK

Multiple Parcel Form

L# 6148488881

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
SMA	TVA91	1.6	0.4	2.0	Yes / No / Not Present
		1.8		2.2	Yes / No / Not Present
		1.8		2.2	Yes / No / Not Present
		2.0		2.4	Yes / No / Not Present
		0.5		0.9	Yes / No / Not Present
		0.3		0.7	Yes / No / Not Present
		0.3		0.7	Yes / No / Not Present
		0.4		0.8	Yes / No / Not Present
		0.9		1.3	Yes / No / Not Present
				Yes / No / Not Present	
				Yes / No / Not Present	
				Yes / No / Not Present	
				Yes / No / Not Present	
				Yes / No / Not Present	
				Yes / No / Not Present	
				Yes / No / Not Present	
				Yes / No / Not Present	

C. Borsari

Name

04.17.25

Date