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ANALYTICAL REPORT

December 18, 2025

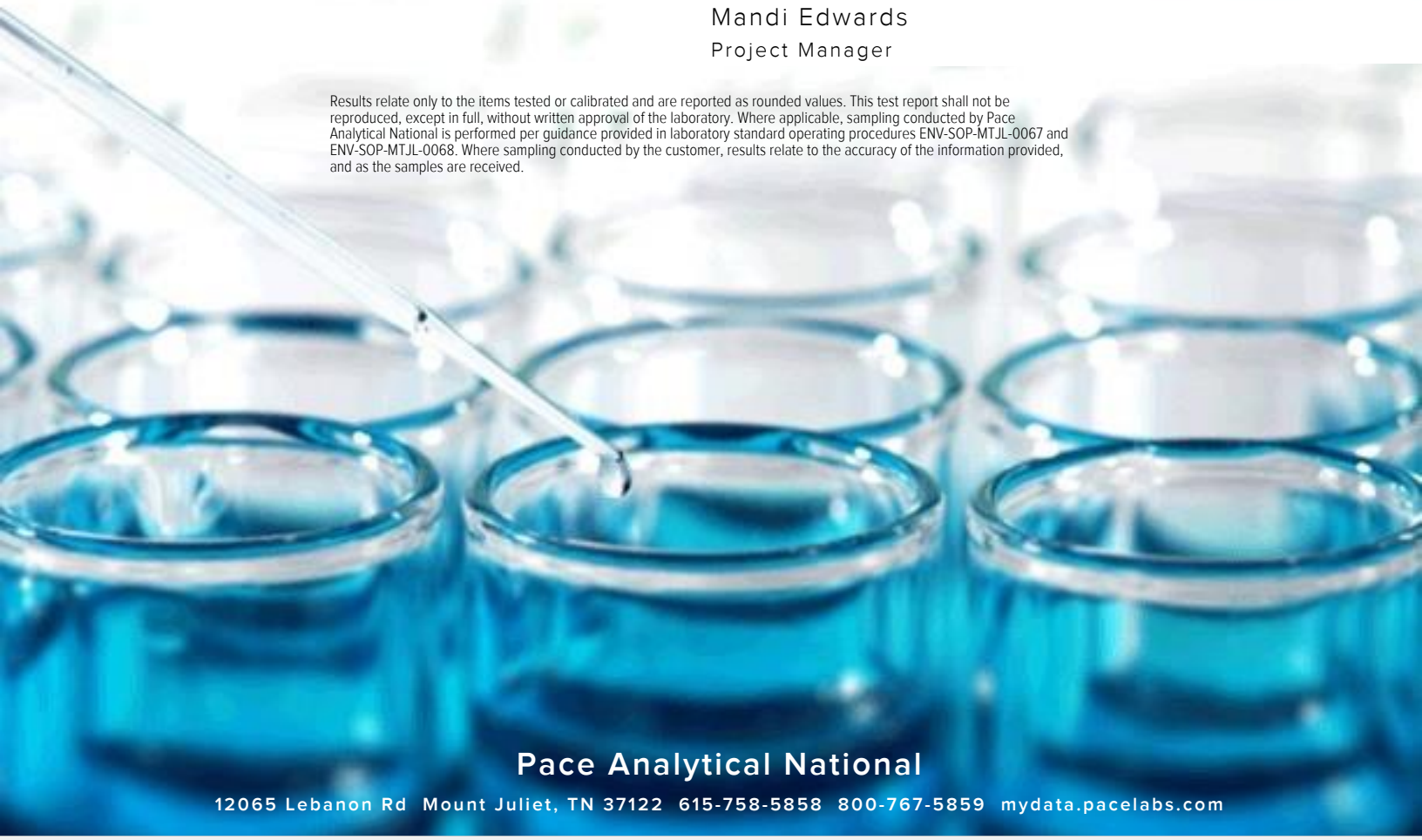
Revised Report

Civitas - CO

Sample Delivery Group:	L1921160
Samples Received:	11/21/2025
Project Number:	203724474 TASK 100.0
Description:	Aristocrat & Federal
Site:	REM 41913
Report To:	Civitas - Stantec 6855 W. 118th Ave Broomfield, CO 80020

Entire Report Reviewed By:

Mandi Edwards
Project Manager



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BG01@1 L1921160-01

Collected by: Sam O'Boyle | Collected date/time: 11/19/25 10:10 | Received date/time: 11/21/25 11:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2648016	1	11/27/25 15:02	11/27/25 15:02	JTM	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2647065	1	11/25/25 14:32	11/25/25 14:37	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2646496	1	11/25/25 00:47	12/02/25 11:00	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2649670	1	12/01/25 09:12	12/01/25 14:45	AL	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2649726	1	12/01/25 09:12	12/02/25 14:19	AL	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2648056	1	11/26/25 15:56	11/28/25 16:18	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2646252	1.09	11/24/25 17:22	12/10/25 23:56	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2646252	1.09	11/24/25 17:22	12/11/25 11:42	JPD	Mt. Juliet, TN

BG02@1 L1921160-02

Collected by: Sam O'Boyle | Collected date/time: 11/19/25 10:20 | Received date/time: 11/21/25 11:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2648016	1	11/27/25 15:04	11/27/25 15:04	JTM	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2647065	1	11/25/25 14:32	11/25/25 14:37	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2646496	1	11/25/25 00:47	12/02/25 11:12	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2649670	1	12/01/25 09:12	12/01/25 14:45	AL	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2649726	1	12/01/25 09:12	12/02/25 14:19	AL	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2648056	1	11/26/25 15:56	11/28/25 16:21	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2646252	1	11/24/25 17:22	12/10/25 23:59	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2646252	1	11/24/25 17:22	12/11/25 11:45	JPD	Mt. Juliet, TN

BG03@3 L1921160-03

Collected by: Sam O'Boyle | Collected date/time: 11/19/25 10:35 | Received date/time: 11/21/25 11:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2648016	1	11/27/25 15:06	11/27/25 15:06	JTM	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2647065	1	11/25/25 14:32	11/25/25 14:37	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2646496	1	11/25/25 00:47	12/02/25 11:25	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2649670	1	12/01/25 09:12	12/01/25 14:45	AL	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2649726	1	12/01/25 09:12	12/02/25 14:19	AL	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2648056	1	11/26/25 15:56	11/28/25 16:24	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2646252	1.04	11/24/25 17:22	12/11/25 00:02	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2646252	1.04	11/24/25 17:22	12/11/25 11:49	JPD	Mt. Juliet, TN

BG04@3 L1921160-04

Collected by: Sam O'Boyle | Collected date/time: 11/19/25 10:45 | Received date/time: 11/21/25 11:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2648016	1	11/27/25 15:09	11/27/25 15:09	JTM	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2647065	1	11/25/25 14:32	11/25/25 14:37	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2646496	1	11/25/25 00:47	12/02/25 12:15	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2649670	1	12/01/25 09:12	12/01/25 14:45	AL	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2649726	1	12/01/25 09:12	12/02/25 14:19	AL	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2648056	1	11/26/25 15:56	11/28/25 16:26	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2646252	1	11/24/25 17:22	12/11/25 00:05	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2646252	1	11/24/25 17:22	12/11/25 11:52	JPD	Mt. Juliet, TN

BG05@4 L1921160-05

Collected by: Sam O'Boyle | Collected date/time: 11/19/25 11:00 | Received date/time: 11/21/25 11:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2648016	1	11/27/25 15:11	11/27/25 15:11	JTM	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2647065	1	11/25/25 14:32	11/25/25 14:37	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2646496	1	11/25/25 00:47	12/02/25 12:28	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2649670	1	12/01/25 09:12	12/01/25 14:45	AL	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2649726	1	12/01/25 09:12	12/02/25 14:19	AL	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2648056	1	11/26/25 15:56	11/28/25 16:29	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2646252	1	11/24/25 17:22	12/11/25 00:08	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2646252	1	11/24/25 17:22	12/11/25 11:55	JPD	Mt. Juliet, TN

BG01@1 L1921160-06

Collected by: Sam O'Boyle | Collected date/time: 11/19/25 11:25 | Received date/time: 11/21/25 11:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2648016	1	11/27/25 15:14	11/27/25 15:14	JTM	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2647065	1	11/25/25 14:32	11/25/25 14:37	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2646496	1	11/25/25 00:47	12/02/25 12:40	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2649670	1	12/01/25 09:12	12/01/25 14:45	AL	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2649726	1	12/01/25 09:12	12/02/25 14:19	AL	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2648056	1	11/26/25 15:56	11/28/25 16:32	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2646252	1.06	11/24/25 17:22	12/11/25 00:11	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2646252	1.06	11/24/25 17:22	12/11/25 11:58	JPD	Mt. Juliet, TN

BG02@3 L1921160-07

Collected by: Sam O'Boyle | Collected date/time: 11/19/25 11:35 | Received date/time: 11/21/25 11:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2648016	1	11/27/25 15:16	11/27/25 15:16	JTM	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2647065	1	11/25/25 14:32	11/25/25 14:37	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2646496	1	11/25/25 00:47	12/02/25 13:43	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2649670	1	12/01/25 09:12	12/01/25 14:45	AL	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2649726	1	12/01/25 09:12	12/02/25 14:19	AL	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2648056	1	11/26/25 15:56	11/28/25 16:35	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2646252	1	11/24/25 17:22	12/11/25 00:14	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2646252	1	11/24/25 17:22	12/11/25 12:01	JPD	Mt. Juliet, TN

BG03@4 L1921160-08

Collected by: Sam O'Boyle | Collected date/time: 11/19/25 11:50 | Received date/time: 11/21/25 11:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2648016	1	11/27/25 15:18	11/27/25 15:18	JTM	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2647065	1	11/25/25 14:32	11/25/25 14:37	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2646496	1	11/25/25 00:47	12/02/25 13:55	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2649670	1	12/01/25 09:12	12/01/25 14:45	AL	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2649726	1	12/01/25 09:12	12/02/25 14:19	AL	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2648056	1	11/26/25 15:56	11/28/25 16:43	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2646252	1	11/24/25 17:22	12/11/25 00:17	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2646252	1	11/24/25 17:22	12/11/25 12:04	JPD	Mt. Juliet, TN

BG04@3 L1921160-09

Collected by: Sam O'Boyle | Collected date/time: 11/19/25 12:05 | Received date/time: 11/21/25 11:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2648016	1	11/27/25 15:21	11/27/25 15:21	JTM	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2647065	1	11/25/25 14:32	11/25/25 14:37	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2646496	1	11/25/25 00:47	12/02/25 14:33	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2649670	1	12/01/25 09:12	12/01/25 14:45	AL	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2649726	1	12/01/25 09:12	12/02/25 14:19	AL	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2648056	1	11/26/25 15:56	11/28/25 16:45	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2646252	1	11/24/25 17:22	12/11/25 00:26	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2646252	1	11/24/25 17:22	12/11/25 12:14	JPD	Mt. Juliet, TN

BG05@1 L1921160-10

Collected by: Sam O'Boyle | Collected date/time: 11/19/25 12:10 | Received date/time: 11/21/25 11:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2648016	1	11/27/25 15:37	11/27/25 15:37	JTM	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2647065	1	11/25/25 14:32	11/25/25 14:37	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2646496	1	11/25/25 00:47	12/02/25 14:45	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2649670	1	12/01/25 09:12	12/01/25 14:45	AL	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2649726	1	12/01/25 09:12	12/02/25 14:19	AL	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2648056	1	11/26/25 15:56	11/28/25 16:48	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2646252	1	11/24/25 17:22	12/11/25 00:29	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2646252	1	11/24/25 17:22	12/11/25 12:17	JPD	Mt. Juliet, TN

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.

Mandi Edwards
Project Manager

Report Revision History

Level II Report - Version 1: 12/17/25 16:07

Project Comments

Revised to include MDL and RDL. MLE 12/17/2025

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.82		1	11/27/2025 15:02	WG2648016

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.5		1	11/25/2025 14:37	WG2647065

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.209	0.209	1	12/02/2025 11:00	WG2646496

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	6.94		1	12/01/2025 14:45	WG2649670

Sample Narrative:

L1921160-01 WG2649670: 6.94 at 18C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	216	umhos/cm		10.0	1	12/02/2025 14:19	WG2649726

Sample Narrative:

L1921160-01 WG2649726: at 25C

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.0263	J	0.0199	0.100	1	11/28/2025 16:18	WG2648056

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.30		0.114	0.114	1.09	12/10/2025 23:56	WG2646252
Barium	36.4		11.4	11.4	1.09	12/11/2025 11:42	WG2646252
Cadmium	ND		0.114	0.114	1.09	12/10/2025 23:56	WG2646252
Copper	ND		11.4	11.4	1.09	12/10/2025 23:56	WG2646252
Lead	ND		11.4	11.4	1.09	12/10/2025 23:56	WG2646252
Nickel	ND		11.4	11.4	1.09	12/10/2025 23:56	WG2646252
Selenium	0.207		0.114	0.114	1.09	12/10/2025 23:56	WG2646252
Silver	ND		0.571	0.571	1.09	12/10/2025 23:56	WG2646252
Zinc	ND		57.1	57.1	1.09	12/10/2025 23:56	WG2646252

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.42		1	11/27/2025 15:04	WG2648016

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	96.0		1	11/25/2025 14:37	WG2647065

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.208	0.208	1	12/02/2025 11:12	WG2646496

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	6.64		1	12/01/2025 14:45	WG2649670

Sample Narrative:

L1921160-02 WG2649670: 6.64 at 18.1C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	255	umhos/cm		10.0	1	12/02/2025 14:19	WG2649726

Sample Narrative:

L1921160-02 WG2649726: at 25C

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.0263	J	0.0199	0.100	1	11/28/2025 16:21	WG2648056

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.43		0.104	0.104	1	12/10/2025 23:59	WG2646252
Barium	33.7		10.4	10.4	1	12/11/2025 11:45	WG2646252
Cadmium	ND		0.104	0.104	1	12/10/2025 23:59	WG2646252
Copper	ND		10.4	10.4	1	12/10/2025 23:59	WG2646252
Lead	ND		10.4	10.4	1	12/10/2025 23:59	WG2646252
Nickel	ND		10.4	10.4	1	12/10/2025 23:59	WG2646252
Selenium	0.203		0.104	0.104	1	12/10/2025 23:59	WG2646252
Silver	ND		0.521	0.521	1	12/10/2025 23:59	WG2646252
Zinc	ND		52.1	52.1	1	12/10/2025 23:59	WG2646252

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.58		1	11/27/2025 15:06	WG2648016

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.8		1	11/25/2025 14:37	WG2647065

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.209	0.209	1	12/02/2025 11:25	WG2646496

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.13		1	12/01/2025 14:45	WG2649670

Sample Narrative:

L1921160-03 WG2649670: 7.13 at 18.1C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	285	umhos/cm		10.0	1	12/02/2025 14:19	WG2649726

Sample Narrative:

L1921160-03 WG2649726: at 25C

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.0326	J	0.0199	0.100	1	11/28/2025 16:24	WG2648056

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	0.922		0.109	0.109	1.04	12/11/2025 00:02	WG2646252
Barium	32.5		10.9	10.9	1.04	12/11/2025 11:49	WG2646252
Cadmium	ND		0.109	0.109	1.04	12/11/2025 00:02	WG2646252
Copper	ND		10.9	10.9	1.04	12/11/2025 00:02	WG2646252
Lead	ND		10.9	10.9	1.04	12/11/2025 00:02	WG2646252
Nickel	ND		10.9	10.9	1.04	12/11/2025 00:02	WG2646252
Selenium	ND		0.109	0.109	1.04	12/11/2025 00:02	WG2646252
Silver	ND		0.543	0.543	1.04	12/11/2025 00:02	WG2646252
Zinc	ND		54.3	54.3	1.04	12/11/2025 00:02	WG2646252

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.81		1	11/27/2025 15:09	WG2648016

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.5		1	11/25/2025 14:37	WG2647065

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.212	0.212	1	12/02/2025 12:15	WG2646496

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.08		1	12/01/2025 14:45	WG2649670

Sample Narrative:

L1921160-04 WG2649670: 7.08 at 18.1C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	390	umhos/cm		10.0	1	12/02/2025 14:19	WG2649726

Sample Narrative:

L1921160-04 WG2649726: at 25C

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.0575	J	0.0199	0.100	1	11/28/2025 16:26	WG2648056

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.35		0.106	0.106	1	12/11/2025 00:05	WG2646252
Barium	42.8		10.6	10.6	1	12/11/2025 11:52	WG2646252
Cadmium	ND		0.106	0.106	1	12/11/2025 00:05	WG2646252
Copper	ND		10.6	10.6	1	12/11/2025 00:05	WG2646252
Lead	ND		10.6	10.6	1	12/11/2025 00:05	WG2646252
Nickel	ND		10.6	10.6	1	12/11/2025 00:05	WG2646252
Selenium	0.192		0.106	0.106	1	12/11/2025 00:05	WG2646252
Silver	ND		0.529	0.529	1	12/11/2025 00:05	WG2646252
Zinc	ND		52.9	52.9	1	12/11/2025 00:05	WG2646252

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.69		1	11/27/2025 15:11	WG2648016

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.9		1	11/25/2025 14:37	WG2647065

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.211	0.211	1	12/02/2025 12:28	WG2646496

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.37		1	12/01/2025 14:45	WG2649670

Sample Narrative:

L1921160-05 WG2649670: 7.37 at 17.9C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	256	umhos/cm		10.0	1	12/02/2025 14:19	WG2649726

Sample Narrative:

L1921160-05 WG2649726: at 25C

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.0523	J	0.0199	0.100	1	11/28/2025 16:29	WG2648056

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.23		0.105	0.105	1	12/11/2025 00:08	WG2646252
Barium	40.7		10.5	10.5	1	12/11/2025 11:55	WG2646252
Cadmium	ND		0.105	0.105	1	12/11/2025 00:08	WG2646252
Copper	ND		10.5	10.5	1	12/11/2025 00:08	WG2646252
Lead	ND		10.5	10.5	1	12/11/2025 00:08	WG2646252
Nickel	ND		10.5	10.5	1	12/11/2025 00:08	WG2646252
Selenium	0.180		0.105	0.105	1	12/11/2025 00:08	WG2646252
Silver	ND		0.527	0.527	1	12/11/2025 00:08	WG2646252
Zinc	ND		52.7	52.7	1	12/11/2025 00:08	WG2646252

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.111		1	11/27/2025 15:14	WG2648016

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.3		1	11/25/2025 14:37	WG2647065

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.206	0.206	1	12/02/2025 12:40	WG2646496

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	5.82		1	12/01/2025 14:45	WG2649670

Sample Narrative:

L1921160-06 WG2649670: 5.82 at 18.3C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	197	umhos/cm		10.0	1	12/02/2025 14:19	WG2649726

Sample Narrative:

L1921160-06 WG2649726: at 25C

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.0199	0.100	1	11/28/2025 16:32	WG2648056

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.20		0.109	0.109	1.06	12/11/2025 00:11	WG2646252
Barium	30.7		10.9	10.9	1.06	12/11/2025 11:58	WG2646252
Cadmium	ND		0.109	0.109	1.06	12/11/2025 00:11	WG2646252
Copper	ND		10.9	10.9	1.06	12/11/2025 00:11	WG2646252
Lead	ND		10.9	10.9	1.06	12/11/2025 00:11	WG2646252
Nickel	ND		10.9	10.9	1.06	12/11/2025 00:11	WG2646252
Selenium	0.155		0.109	0.109	1.06	12/11/2025 00:11	WG2646252
Silver	ND		0.545	0.545	1.06	12/11/2025 00:11	WG2646252
Zinc	ND		54.5	54.5	1.06	12/11/2025 00:11	WG2646252

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.0694		1	11/27/2025 15:16	WG2648016

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.4		1	11/25/2025 14:37	WG2647065

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.205	0.205	1	12/02/2025 13:43	WG2646496

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	6.37		1	12/01/2025 14:45	WG2649670

Sample Narrative:

L1921160-07 WG2649670: 6.37 at 18.5C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	221	umhos/cm		10.0	1	12/02/2025 14:19	WG2649726

Sample Narrative:

L1921160-07 WG2649726: at 25C

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.0199	0.100	1	11/28/2025 16:35	WG2648056

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.18		0.103	0.103	1	12/11/2025 00:14	WG2646252
Barium	35.5		10.3	10.3	1	12/11/2025 12:01	WG2646252
Cadmium	ND		0.103	0.103	1	12/11/2025 00:14	WG2646252
Copper	ND		10.3	10.3	1	12/11/2025 00:14	WG2646252
Lead	ND		10.3	10.3	1	12/11/2025 00:14	WG2646252
Nickel	ND		10.3	10.3	1	12/11/2025 00:14	WG2646252
Selenium	0.136		0.103	0.103	1	12/11/2025 00:14	WG2646252
Silver	ND		0.513	0.513	1	12/11/2025 00:14	WG2646252
Zinc	ND		51.3	51.3	1	12/11/2025 00:14	WG2646252

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.0796		1	11/27/2025 15:18	WG2648016

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.0		1	11/25/2025 14:37	WG2647065

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.206	0.206	1	12/02/2025 13:55	WG2646496

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.03		1	12/01/2025 14:45	WG2649670

Sample Narrative:

L1921160-08 WG2649670: 7.03 at 18.3C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	101	umhos/cm		10.0	1	12/02/2025 14:19	WG2649726

Sample Narrative:

L1921160-08 WG2649726: at 25C

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.0199	0.100	1	11/28/2025 16:43	WG2648056

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.06		0.103	0.103	1	12/11/2025 00:17	WG2646252
Barium	36.2		10.3	10.3	1	12/11/2025 12:04	WG2646252
Cadmium	ND		0.103	0.103	1	12/11/2025 00:17	WG2646252
Copper	ND		10.3	10.3	1	12/11/2025 00:17	WG2646252
Lead	ND		10.3	10.3	1	12/11/2025 00:17	WG2646252
Nickel	ND		10.3	10.3	1	12/11/2025 00:17	WG2646252
Selenium	0.166		0.103	0.103	1	12/11/2025 00:17	WG2646252
Silver	ND		0.515	0.515	1	12/11/2025 00:17	WG2646252
Zinc	ND		51.5	51.5	1	12/11/2025 00:17	WG2646252

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.163		1	11/27/2025 15:21	WG2648016

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	98.0		1	11/25/2025 14:37	WG2647065

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.204	0.204	1	12/02/2025 14:33	WG2646496

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	6.95		1	12/01/2025 14:45	WG2649670

Sample Narrative:

L1921160-09 WG2649670: 6.95 at 18.4C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	310	umhos/cm		10.0	1	12/02/2025 14:19	WG2649726

Sample Narrative:

L1921160-09 WG2649726: at 25C

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.0199	0.100	1	11/28/2025 16:45	WG2648056

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	0.810		0.102	0.102	1	12/11/2025 00:26	WG2646252
Barium	33.0		10.2	10.2	1	12/11/2025 12:14	WG2646252
Cadmium	ND		0.102	0.102	1	12/11/2025 00:26	WG2646252
Copper	ND		10.2	10.2	1	12/11/2025 00:26	WG2646252
Lead	ND		10.2	10.2	1	12/11/2025 00:26	WG2646252
Nickel	ND		10.2	10.2	1	12/11/2025 00:26	WG2646252
Selenium	0.126		0.102	0.102	1	12/11/2025 00:26	WG2646252
Silver	ND		0.510	0.510	1	12/11/2025 00:26	WG2646252
Zinc	ND		51.0	51.0	1	12/11/2025 00:26	WG2646252

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.0834		1	11/27/2025 15:37	WG2648016

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.8		1	11/25/2025 14:37	WG2647065

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	1.28		0.204	0.204	1	12/02/2025 14:45	WG2646496

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	6.98		1	12/01/2025 14:45	WG2649670

Sample Narrative:

L1921160-10 WG2649670: 6.98 at 18.6C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	129	umhos/cm		10.0	1	12/02/2025 14:19	WG2649726

Sample Narrative:

L1921160-10 WG2649726: at 25C

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.0222	J	0.0199	0.100	1	11/28/2025 16:48	WG2648056

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	0.802		0.102	0.102	1	12/11/2025 00:29	WG2646252
Barium	30.8		10.2	10.2	1	12/11/2025 12:17	WG2646252
Cadmium	ND		0.102	0.102	1	12/11/2025 00:29	WG2646252
Copper	ND		10.2	10.2	1	12/11/2025 00:29	WG2646252
Lead	ND		10.2	10.2	1	12/11/2025 00:29	WG2646252
Nickel	ND		10.2	10.2	1	12/11/2025 00:29	WG2646252
Selenium	0.116		0.102	0.102	1	12/11/2025 00:29	WG2646252
Silver	ND		0.511	0.511	1	12/11/2025 00:29	WG2646252
Zinc	ND		51.1	51.1	1	12/11/2025 00:29	WG2646252

Method Blank (MB)

(MB) R4306512-1 11/25/25 14:37

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1921160-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1921160-03 11/25/25 14:37 • (DUP) R4306512-3 11/25/25 14:37

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	95.8	95.7	1	0.162		10

Laboratory Control Sample (LCS)

(LCS) R4306512-2 11/25/25 14:37

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	99.9	90.0-110	

Method Blank (MB)

(MB) R4309129-1 12/02/25 09:33

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Hexavalent Chromium	ND		0.200	0.200

L1921160-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1921160-03 12/02/25 11:25 • (DUP) R4309129-3 12/02/25 12:02

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	ND	ND	1	0.000		20

L1921163-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1921163-03 12/02/25 15:23 • (DUP) R4309129-8 12/02/25 15:35

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4309129-2 12/02/25 09:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	10.0	9.11	91.1	80.0-120	

L1921160-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1921160-06 12/02/25 12:40 • (MS) R4309129-4 12/02/25 12:53 • (MSD) R4309129-5 12/02/25 13:05

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hexavalent Chromium	20.6	ND	18.4	19.8	89.4	96.3	1	75.0-125			7.48	20

L1921160-06 Original Sample (OS) • Matrix Spike (MS)

(OS) L1921160-06 12/02/25 12:40 • (MS) R4309129-6 12/02/25 13:18

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	659	ND	586	88.9	50	75.0-125	

L1921154-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1921154-01 12/01/25 14:45 • (DUP) R4308286-2 12/01/25 14:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.35	8.38	1	0.359		1

Sample Narrative:

OS: 8.35 at 18.5C

DUP: 8.38 at 17.7C

L1921160-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1921160-10 12/01/25 14:45 • (DUP) R4308286-3 12/01/25 14:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	6.98	6.98	1	0.000		1

Sample Narrative:

OS: 6.98 at 18.6C

DUP: 6.98 at 18.9C

Laboratory Control Sample (LCS)

(LCS) R4308286-1 12/01/25 14:45

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	9.97	99.7	99.0-101	

Sample Narrative:

LCS: 9.97 at 19.2C

Method Blank (MB)

(MB) R4308839-1 12/02/25 14:19

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

Sample Narrative:
BLANK: at 25C

L1921154-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1921154-02 12/02/25 14:19 • (DUP) R4308839-3 12/02/25 14:19

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	1940	1880	1	3.36		20

Sample Narrative:
OS: at 25C
DUP: at 25C

L1921160-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1921160-09 12/02/25 14:19 • (DUP) R4308839-4 12/02/25 14:19

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	310	301	1	2.95		20

Sample Narrative:
OS: at 25C
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4308839-2 12/02/25 14:19

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	581	583	100	90.0-110	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4307528-1 11/28/25 15:38

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Hot Water Sol. Boron	ND		0.0199	0.100

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

(LCS) R4307528-2 11/28/25 15:41 • (LCSD) R4307528-3 11/28/25 15:43

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
Hot Water Sol. Boron	1.00	0.923	0.965	92.3	96.5	80.0-120			4.48	20

Method Blank (MB)

(MB) R4312685-1 12/10/25 23:12

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	ND		0.100	0.100
Barium	ND		10.0	10.0
Cadmium	ND		0.100	0.100
Copper	ND		10.0	10.0
Lead	ND		10.0	10.0
Nickel	ND		10.0	10.0
Selenium	ND		0.100	0.100
Silver	ND		0.500	0.500
Zinc	ND		50.0	50.0

Laboratory Control Sample (LCS)

(LCS) R4312685-2 12/10/25 23:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	94.9	94.9	80.0-120	
Barium	100	84.6	84.6	80.0-120	
Cadmium	100	104	104	80.0-120	
Copper	100	100	100	80.0-120	
Lead	100	95.0	95.0	80.0-120	
Nickel	100	103	103	80.0-120	
Selenium	100	96.4	96.4	80.0-120	
Silver	20.0	19.1	95.4	80.0-120	
Zinc	100	98.9	98.9	80.0-120	

L1921163-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1921163-03 12/10/25 23:19 • (MS) R4312685-5 12/10/25 23:28 • (MSD) R4312685-6 12/10/25 23:31

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	103	1.69	98.5	95.5	93.7	90.7	1	75.0-125			3.10	20
Barium	103	24.7	118	131	90.2	103	1	75.0-125			10.8	20
Cadmium	103	ND	105	105	102	101	1	75.0-125			0.422	20
Copper	103	ND	106	103	103	100	1	75.0-125			2.61	20
Lead	103	ND	94.5	99.4	91.4	96.2	1	75.0-125			5.11	20
Nickel	103	ND	108	103	104	100	1	75.0-125			4.22	20
Selenium	103	0.166	95.1	94.7	91.8	91.4	1	75.0-125			0.489	20
Silver	20.7	ND	19.9	19.8	96.0	95.7	1	75.0-125			0.401	20

L1921163-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1921163-03 12/10/25 23:19 • (MS) R4312685-5 12/10/25 23:28 • (MSD) R4312685-6 12/10/25 23:31

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
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Zinc	103	ND	116	112	112	109	1	75.0-125			2.89	20

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

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

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:
Civitas - CO
6855 W. 118th Ave
Broomfield, CO 80020

Billing Information:
Accounts Payable
650 South gate Dr
Windsor, CO 80550

Pres Chk

Report to:
Civitas 610-408-9078

Email To: Chris.roy@stantec.com
Sam.oboyle@stantec.com
robert.hammer@stantec.com

Project Description:
Aristocrat & Federal

City/State Collected: Colorado

Please Circle: PT (MT) CT ET

Phone:

Client Project #
203724474 task 100.020

Lab Project #
CivitasBCO-Stantec

Collected by (print):
Sam O'Boyle

Site/Facility ID #
REM 41913

P.O. #

Collected by (signature):
Sam O'Boyle
Immediately Packed on Ice N ___ Y X

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

Quote #
Major Minor 8520.154

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Full Table 915-1
BG Table 915-1

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	Full Table 915-1	BG Table 915-1	Remarks	Sample # (lab only)
BG01@1	G	SS	1	11.19.25	1010	X	X		-01
BG02@1			1		1020	X	X		-02
BG03@3			3		1035	X	X		-03
BG04@3			3		1045	X	X		-04
BG05@4			4		1100	X	X		-05
BG01@1			1		1125	X	X		-06
BG02@3			3		1135	X	X		-07
BG03@4			4		1150	X	X		-08
BG04@3			3		1205	X	X		-09
BG05@1			1		1210	X	X		-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 #

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE

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 #

Tab G169 L1921160

Acctnum: CivitasBCO

Template: T269922

Prelogin: P1137690

PM: 824 Chris Ward

PB:

Shipped Via: Fedex Ground

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) Sam O'Boyle — Date: 11.19.25 — Time: 1835 — Received by: (Signature)

Relinquished by: (Signature) — Date: 11-20-25 — Time: 1800 — Received by: (Signature) SWA

Relinquished by: (Signature) — Date: — Time: — Received for lab by: (Signature) Sabrina F

Trip Blank Received: Yes (No) HCL / MeoH TBR

Temp: TLA90-2 °C ±0=0.2 20 — Bottles Received:

Date: 11/21/25 — Time: 11:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)