Pace Analytical®

Pace Analytical Services, LLC
2026.01.07 11:27:44 -06'00'
Document is certified

ANALYTICAL REPORT

January 07, 2026

Revised Report

Civitas - CO

Sample Delivery Group:	L1891011
Samples Received:	08/21/2025
Project Number:	22237, 24923
Description:	Sprague 32-9&6-4-9

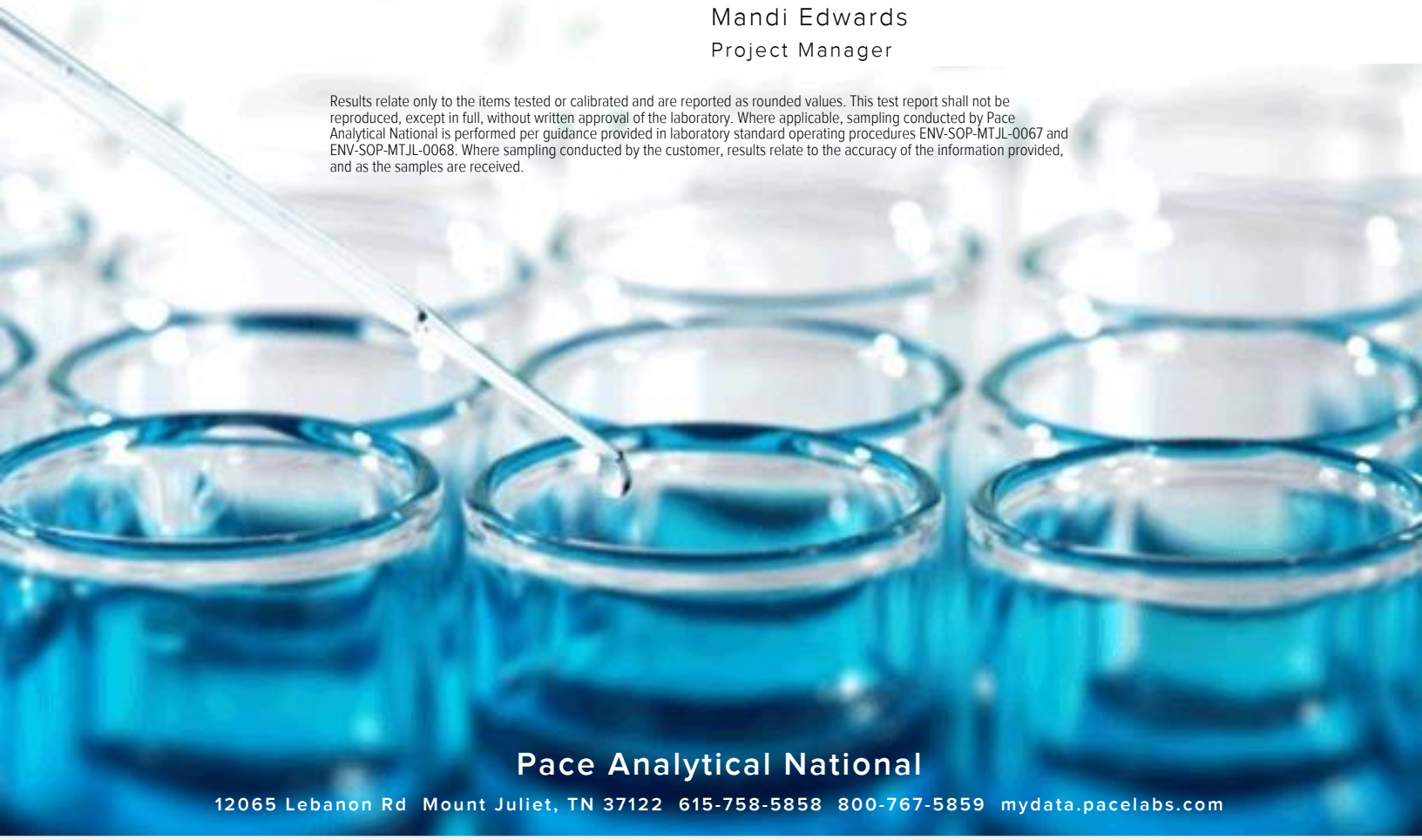
Report To:

Civitas-Tasman
4725 Independence
Suite 100
Wheat Ridge, CO 80033

Entire Report Reviewed By:

Mandi Edwards
Project Manager

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



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

TABLE OF CONTENTS

6-WH-B01R@6' L1891011-01

Collected by: Max Sherwin | Collected date/time: 08/19/25 09:00 | Received date/time: 08/21/25 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2590437	5	08/29/25 09:20	09/13/25 16:34	JPD	Mt. Juliet, TN

6FL-B01R@4' L1891011-02

Collected by: Max Sherwin | Collected date/time: 08/19/25 09:05 | Received date/time: 08/21/25 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2590437	5	08/29/25 09:20	09/13/25 16:37	JPD	Mt. Juliet, TN

BG01@4' L1891011-04

Collected by: Max Sherwin | Collected date/time: 08/19/25 13:00 | Received date/time: 08/21/25 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2589714	1	08/29/25 06:57	08/29/25 06:57	JTM	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2591238	1	08/30/25 09:22	09/05/25 18:40	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2591232	1	08/30/25 09:17	09/06/25 03:34	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2589724	1	09/03/25 10:00	09/04/25 14:16	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2590437	5	08/29/25 09:20	09/13/25 16:41	JPD	Mt. Juliet, TN

BG01@6' L1891011-05

Collected by: Max Sherwin | Collected date/time: 08/19/25 13:05 | Received date/time: 08/21/25 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2589714	1	08/29/25 07:05	08/29/25 07:05	JTM	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2591238	1	08/30/25 09:22	09/05/25 18:40	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2591232	1	08/30/25 09:17	09/06/25 03:34	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2589724	1	09/03/25 10:00	09/04/25 14:19	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2590437	5	08/29/25 09:20	09/13/25 16:50	JPD	Mt. Juliet, TN

BG02@4' L1891011-06

Collected by: Max Sherwin | Collected date/time: 08/19/25 13:10 | Received date/time: 08/21/25 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2589714	1	08/29/25 07:08	08/29/25 07:08	JTM	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2591238	1	08/30/25 09:22	09/05/25 18:40	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2591232	1	08/30/25 09:17	09/06/25 03:34	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2589724	1	09/03/25 10:00	09/04/25 14:22	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2590437	5	08/29/25 09:20	09/13/25 16:53	JPD	Mt. Juliet, TN

BG02@6' L1891011-07

Collected by: Max Sherwin | Collected date/time: 08/19/25 13:15 | Received date/time: 08/21/25 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2589714	1	08/29/25 07:11	08/29/25 07:11	JTM	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2591238	1	08/30/25 09:22	09/05/25 18:40	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2591232	1	08/30/25 09:17	09/06/25 03:34	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2589724	1	09/03/25 10:00	09/04/25 14:24	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2590437	5	08/29/25 09:20	09/13/25 16:56	JPD	Mt. Juliet, TN

BG03@4' L1891011-08

Collected by: Max Sherwin | Collected date/time: 08/19/25 13:20 | Received date/time: 08/21/25 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2589714	1	08/29/25 07:14	08/29/25 07:14	JTM	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2591238	1	08/30/25 09:22	09/05/25 18:40	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2591232	1	08/30/25 09:17	09/06/25 03:34	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2589724	1	09/03/25 10:00	09/04/25 14:27	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2590437	5	08/29/25 09:20	09/13/25 16:59	JPD	Mt. Juliet, TN

BG03@6' L1891011-09

Collected by: Max Sherwin | Collected date/time: 08/19/25 13:25 | Received date/time: 08/21/25 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2589714	1	08/29/25 07:17	08/29/25 07:17	JTM	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2591238	1	08/30/25 09:22	09/05/25 18:40	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2591232	1	08/30/25 09:17	09/06/25 03:34	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2589724	1	09/03/25 10:00	09/04/25 14:30	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2590437	5	08/29/25 09:20	09/13/25 17:02	JPD	Mt. Juliet, TN

BG04@4' L1891011-10

Collected by: Max Sherwin | Collected date/time: 08/19/25 13:30 | Received date/time: 08/21/25 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2589714	1	08/29/25 07:20	08/29/25 07:20	JTM	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2591238	1	08/30/25 09:22	09/05/25 18:40	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2591232	1	08/30/25 09:17	09/06/25 03:34	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2589724	1	09/03/25 10:00	09/04/25 14:33	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2590437	5	08/29/25 09:20	09/13/25 16:19	JPD	Mt. Juliet, TN

BG04@6' L1891011-11

Collected by: Max Sherwin | Collected date/time: 08/19/25 13:35 | Received date/time: 08/21/25 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2589714	1	08/29/25 07:23	08/29/25 07:23	JTM	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2591238	1	08/30/25 09:22	09/05/25 18:40	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2591232	1	08/30/25 09:17	09/06/25 03:34	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2589724	1	09/03/25 10:00	09/04/25 14:36	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2590437	5	08/29/25 09:20	09/13/25 17:06	JPD	Mt. Juliet, TN

BG05@4' L1891011-12

Collected by: Max Sherwin | Collected date/time: 08/19/25 13:40 | Received date/time: 08/21/25 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2589714	1	08/29/25 07:26	08/29/25 07:26	JTM	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2591223	1	09/05/25 12:46	09/05/25 12:55	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2591233	1	08/30/25 09:18	09/06/25 03:18	AVB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2589724	1	09/03/25 10:00	09/04/25 14:38	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2590437	5	08/29/25 09:20	09/13/25 17:09	JPD	Mt. Juliet, TN

SAMPLE SUMMARY

BG05@6' L1891011-13

Collected by: Max Sherwin
Collected date/time: 08/19/25 13:45
Received date/time: 08/21/25 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2589714	1	08/29/25 07:29	08/29/25 07:29	JTM	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2591223	1	09/05/25 12:46	09/05/25 12:55	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2591233	1	08/30/25 09:18	09/06/25 03:18	AVB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2589724	1	09/03/25 10:00	09/04/25 14:47	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2590437	5	08/29/25 09:20	09/13/25 17:12	JPD	Mt. Juliet, TN

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: 09/25/25 15:03
Level II Report - Version 2: 11/17/25 16:46

Project Comments

Due to a lab error and limited volume the CR6 analysis was removed from 6-WH-B01R@6' (-01). MLE 09/25/2025

Hot Water Boron replaced with Barium to match the requested analysis on the COC. MLE 10/01/2025

Respool to pull in Barium data for -01. MLE 11/17/2025

CR6 analysis removed due to CR6 analysis prepped outside of the 30 day holding time. MWB 1/7/2026

Metals (ICPMS) by Method 6020B

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
WG2590437	L1891011-10	Zinc

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Barium	109		50.0	50.0	5	09/13/2025 16:34	WG2590437
Lead	ND		50.0	50.0	5	09/13/2025 16:34	WG2590437

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Lead	16.2		10.0	10.0	5	09/13/2025 16:37	WG2590437

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.457		1	08/29/2025 06:57	WG2589714

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
	su				
pH	7.32		1	09/05/2025 18:40	WG2591238

Sample Narrative:

L1891011-04 WG2591238: 7.32 at 24C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	211	umhos/cm		10.0	1	09/06/2025 03:34	WG2591232

Sample Narrative:

L1891011-04 WG2591232: 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	0.0272	J	0.0199	0.100	1	09/04/2025 14:16	WG2589724

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.39		0.100	0.100	5	09/13/2025 16:41	WG2590437
Barium	39.2		10.0	10.0	5	09/13/2025 16:41	WG2590437
Cadmium	ND		0.100	0.100	5	09/13/2025 16:41	WG2590437
Copper	ND		10.0	10.0	5	09/13/2025 16:41	WG2590437
Lead	ND		10.0	10.0	5	09/13/2025 16:41	WG2590437
Nickel	ND		10.0	10.0	5	09/13/2025 16:41	WG2590437
Selenium	0.163		0.100	0.100	5	09/13/2025 16:41	WG2590437
Silver	ND		0.500	0.500	5	09/13/2025 16:41	WG2590437
Zinc	ND		50.0	50.0	5	09/13/2025 16:41	WG2590437

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.61		1	08/29/2025 07:05	WG2589714

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
	su				
pH	7.82		1	09/05/2025 18:40	WG2591238

Sample Narrative:

L1891011-05 WG2591238: 7.82 at 24C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	323	umhos/cm		10.0	1	09/06/2025 03:34	WG2591232

Sample Narrative:

L1891011-05 WG2591232: 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	0.0424	J	0.0199	0.100	1	09/04/2025 14:19	WG2589724

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.84		0.100	0.100	5	09/13/2025 16:50	WG2590437
Barium	54.4		10.0	10.0	5	09/13/2025 16:50	WG2590437
Cadmium	ND		0.100	0.100	5	09/13/2025 16:50	WG2590437
Copper	ND		10.0	10.0	5	09/13/2025 16:50	WG2590437
Lead	ND		10.0	10.0	5	09/13/2025 16:50	WG2590437
Nickel	ND		10.0	10.0	5	09/13/2025 16:50	WG2590437
Selenium	0.200		0.100	0.100	5	09/13/2025 16:50	WG2590437
Silver	ND		0.500	0.500	5	09/13/2025 16:50	WG2590437
Zinc	ND		50.0	50.0	5	09/13/2025 16:50	WG2590437

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.575		1	08/29/2025 07:08	WG2589714

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
	su				
pH	7.43		1	09/05/2025 18:40	WG2591238

Sample Narrative:

L1891011-06 WG2591238: 7.43 at 24C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	265	umhos/cm		10.0	1	09/06/2025 03:34	WG2591232

Sample Narrative:

L1891011-06 WG2591232: 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	0.0205	J	0.0199	0.100	1	09/04/2025 14:22	WG2589724

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.33		0.100	0.100	5	09/13/2025 16:53	WG2590437
Barium	38.9		10.0	10.0	5	09/13/2025 16:53	WG2590437
Cadmium	ND		0.100	0.100	5	09/13/2025 16:53	WG2590437
Copper	ND		10.0	10.0	5	09/13/2025 16:53	WG2590437
Lead	ND		10.0	10.0	5	09/13/2025 16:53	WG2590437
Nickel	ND		10.0	10.0	5	09/13/2025 16:53	WG2590437
Selenium	0.131		0.100	0.100	5	09/13/2025 16:53	WG2590437
Silver	ND		0.500	0.500	5	09/13/2025 16:53	WG2590437
Zinc	ND		50.0	50.0	5	09/13/2025 16:53	WG2590437

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.86		1	08/29/2025 07:11	WG2589714

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
	su				
pH	7.98		1	09/05/2025 18:40	WG2591238

Sample Narrative:

L1891011-07 WG2591238: 7.98 at 23.9C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	365	umhos/cm		10.0	1	09/06/2025 03:34	WG2591232

Sample Narrative:

L1891011-07 WG2591232: 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	0.0394	J	0.0199	0.100	1	09/04/2025 14:24	WG2589724

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.27		0.100	0.100	5	09/13/2025 16:56	WG2590437
Barium	42.3		10.0	10.0	5	09/13/2025 16:56	WG2590437
Cadmium	ND		0.100	0.100	5	09/13/2025 16:56	WG2590437
Copper	ND		10.0	10.0	5	09/13/2025 16:56	WG2590437
Lead	ND		10.0	10.0	5	09/13/2025 16:56	WG2590437
Nickel	ND		10.0	10.0	5	09/13/2025 16:56	WG2590437
Selenium	0.137		0.100	0.100	5	09/13/2025 16:56	WG2590437
Silver	ND		0.500	0.500	5	09/13/2025 16:56	WG2590437
Zinc	ND		50.0	50.0	5	09/13/2025 16:56	WG2590437

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.65		1	08/29/2025 07:14	WG2589714

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
	su				
pH	8.10		1	09/05/2025 18:40	WG2591238

Sample Narrative:

L1891011-08 WG2591238: 8.1 at 24C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	479	umhos/cm		10.0	1	09/06/2025 03:34	WG2591232

Sample Narrative:

L1891011-08 WG2591232: 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	0.0312	J	0.0199	0.100	1	09/04/2025 14:27	WG2589724

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.53		0.100	0.100	5	09/13/2025 16:59	WG2590437
Barium	49.4		10.0	10.0	5	09/13/2025 16:59	WG2590437
Cadmium	ND		0.100	0.100	5	09/13/2025 16:59	WG2590437
Copper	ND		10.0	10.0	5	09/13/2025 16:59	WG2590437
Lead	ND		10.0	10.0	5	09/13/2025 16:59	WG2590437
Nickel	ND		10.0	10.0	5	09/13/2025 16:59	WG2590437
Selenium	0.184		0.100	0.100	5	09/13/2025 16:59	WG2590437
Silver	ND		0.500	0.500	5	09/13/2025 16:59	WG2590437
Zinc	ND		50.0	50.0	5	09/13/2025 16:59	WG2590437

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.73		1	08/29/2025 07:17	WG2589714

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
	su				
pH	7.80		1	09/05/2025 18:40	WG2591238

Sample Narrative:

L1891011-09 WG2591238: 7.8 at 24.3C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	472	umhos/cm		10.0	1	09/06/2025 03:34	WG2591232

Sample Narrative:

L1891011-09 WG2591232: 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	0.0380	J	0.0199	0.100	1	09/04/2025 14:30	WG2589724

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.89		0.100	0.100	5	09/13/2025 17:02	WG2590437
Barium	74.8		10.0	10.0	5	09/13/2025 17:02	WG2590437
Cadmium	ND		0.100	0.100	5	09/13/2025 17:02	WG2590437
Copper	ND		10.0	10.0	5	09/13/2025 17:02	WG2590437
Lead	ND		10.0	10.0	5	09/13/2025 17:02	WG2590437
Nickel	ND		10.0	10.0	5	09/13/2025 17:02	WG2590437
Selenium	0.189		0.100	0.100	5	09/13/2025 17:02	WG2590437
Silver	ND		0.500	0.500	5	09/13/2025 17:02	WG2590437
Zinc	ND		50.0	50.0	5	09/13/2025 17:02	WG2590437

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.72		1	08/29/2025 07:20	WG2589714

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
	su				
pH	7.41		1	09/05/2025 18:40	WG2591238

Sample Narrative:

L1891011-10 WG2591238: 7.41 at 24C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	275	umhos/cm		10.0	1	09/06/2025 03:34	WG2591232

Sample Narrative:

L1891011-10 WG2591232: 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	0.0201	J	0.0199	0.100	1	09/04/2025 14:33	WG2589724

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.95		0.100	0.100	5	09/13/2025 16:19	WG2590437
Barium	71.6		10.0	10.0	5	09/13/2025 16:19	WG2590437
Cadmium	ND		0.100	0.100	5	09/13/2025 16:19	WG2590437
Copper	ND		10.0	10.0	5	09/13/2025 16:19	WG2590437
Lead	ND		10.0	10.0	5	09/13/2025 16:19	WG2590437
Nickel	ND		10.0	10.0	5	09/13/2025 16:19	WG2590437
Selenium	0.176		0.100	0.100	5	09/13/2025 16:19	WG2590437
Silver	ND		0.500	0.500	5	09/13/2025 16:19	WG2590437
Zinc	ND	O1	50.0	50.0	5	09/13/2025 16:19	WG2590437

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.21		1	08/29/2025 07:23	WG2589714

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
	su				
pH	7.73		1	09/05/2025 18:40	WG2591238

Sample Narrative:

L1891011-11 WG2591238: 7.73 at 24.1C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	333	umhos/cm		10.0	1	09/06/2025 03:34	WG2591232

Sample Narrative:

L1891011-11 WG2591232: 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	09/04/2025 14:36	WG2589724

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.50		0.100	0.100	5	09/13/2025 17:06	WG2590437
Barium	43.5		10.0	10.0	5	09/13/2025 17:06	WG2590437
Cadmium	ND		0.100	0.100	5	09/13/2025 17:06	WG2590437
Copper	ND		10.0	10.0	5	09/13/2025 17:06	WG2590437
Lead	ND		10.0	10.0	5	09/13/2025 17:06	WG2590437
Nickel	ND		10.0	10.0	5	09/13/2025 17:06	WG2590437
Selenium	0.122		0.100	0.100	5	09/13/2025 17:06	WG2590437
Silver	ND		0.500	0.500	5	09/13/2025 17:06	WG2590437
Zinc	ND		50.0	50.0	5	09/13/2025 17:06	WG2590437

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.03		1	08/29/2025 07:26	WG2589714

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
	su				
pH	7.43		1	09/05/2025 12:55	WG2591223

Sample Narrative:

L1891011-12 WG2591223: 7.43 at 23.9C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	172	umhos/cm		10.0	1	09/06/2025 03:18	WG2591233

Sample Narrative:

L1891011-12 WG2591233: at 25C

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Hot Water Sol. Boron	ND		0.0199	0.100	1	09/04/2025 14:38	WG2589724

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
	mg/kg		mg/kg	mg/kg			
Arsenic	1.39		0.100	0.100	5	09/13/2025 17:09	WG2590437
Barium	38.6		10.0	10.0	5	09/13/2025 17:09	WG2590437
Cadmium	ND		0.100	0.100	5	09/13/2025 17:09	WG2590437
Copper	ND		10.0	10.0	5	09/13/2025 17:09	WG2590437
Lead	ND		10.0	10.0	5	09/13/2025 17:09	WG2590437
Nickel	ND		10.0	10.0	5	09/13/2025 17:09	WG2590437
Selenium	0.149		0.100	0.100	5	09/13/2025 17:09	WG2590437
Silver	ND		0.500	0.500	5	09/13/2025 17:09	WG2590437
Zinc	ND		50.0	50.0	5	09/13/2025 17:09	WG2590437

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.28		1	08/29/2025 07:29	WG2589714

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
	su				
pH	7.38		1	09/05/2025 12:55	WG2591223

Sample Narrative:

L1891011-13 WG2591223: 7.38 at 23.5C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	177	umhos/cm		10.0	1	09/06/2025 03:18	WG2591233

Sample Narrative:

L1891011-13 WG2591233: at 25C

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Hot Water Sol. Boron	ND		0.0199	0.100	1	09/04/2025 14:47	WG2589724

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
	mg/kg		mg/kg	mg/kg			
Arsenic	1.31		0.100	0.100	5	09/13/2025 17:12	WG2590437
Barium	49.5		10.0	10.0	5	09/13/2025 17:12	WG2590437
Cadmium	ND		0.100	0.100	5	09/13/2025 17:12	WG2590437
Copper	ND		10.0	10.0	5	09/13/2025 17:12	WG2590437
Lead	ND		10.0	10.0	5	09/13/2025 17:12	WG2590437
Nickel	ND		10.0	10.0	5	09/13/2025 17:12	WG2590437
Selenium	0.134		0.100	0.100	5	09/13/2025 17:12	WG2590437
Silver	ND		0.500	0.500	5	09/13/2025 17:12	WG2590437
Zinc	ND		50.0	50.0	5	09/13/2025 17:12	WG2590437

L1889538-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1889538-01 09/05/25 12:55 • (DUP) R4269242-2 09/05/25 12:55

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.47	7.50	1	0.401		1

Sample Narrative:

OS: 7.47 at 23.7C

DUP: 7.5 at 24.1C

L1891934-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1891934-07 09/05/25 12:55 • (DUP) R4269242-3 09/05/25 12:55

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.68	7.67	1	0.130		1

Sample Narrative:

OS: 7.68 at 23.3C

DUP: 7.67 at 23.4C

Laboratory Control Sample (LCS)

(LCS) R4269242-1 09/05/25 12:55

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 23C

L1888556-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1888556-20 09/05/25 18:40 • (DUP) R4269488-2 09/05/25 18:40

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.15	8.16	1	0.123		1

Sample Narrative:

OS: 8.15 at 24.8C

DUP: 8.16 at 24.9C

L1891011-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1891011-11 09/05/25 18:40 • (DUP) R4269488-3 09/05/25 18:40

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.73	7.72	1	0.129		1

Sample Narrative:

OS: 7.73 at 24.1C

DUP: 7.72 at 24.3C

Laboratory Control Sample (LCS)

(LCS) R4269488-1 09/05/25 18:40

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	9.98	99.8	99.0-101	

Sample Narrative:

LCS: 9.98 at 24.5C

Method Blank (MB)

(MB) R4269586-1 09/06/25 03:34

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

L1890496-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1890496-02 09/06/25 03:34 • (DUP) R4269586-3 09/06/25 03:34

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	1150	1150	1	0.348		20

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

L1891011-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1891011-10 09/06/25 03:34 • (DUP) R4269586-4 09/06/25 03:34

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	275	270	1	1.62		20

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

Laboratory Control Sample (LCS)

(LCS) R4269586-2 09/06/25 03:34

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	581	574	98.8	90.0-110	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4269707-1 09/06/25 03:18

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

L1891011-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1891011-12 09/06/25 03:18 • (DUP) R4269707-3 09/06/25 03:18

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	172	172	1	0.465		20

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

L1891934-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1891934-06 09/06/25 03:18 • (DUP) R4269707-4 09/06/25 03:18

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	2650	2620	1	1.25		20

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

Laboratory Control Sample (LCS)

(LCS) R4269707-2 09/06/25 03:18

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	581	570	98.1	90.0-110	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4268784-1 09/04/25 12:52

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

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

(LCS) R4268784-2 09/04/25 12:55 • (LCSD) R4268784-3 09/04/25 12:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hot Water Sol. Boron	1.00	1.02	1.03	102	103	80.0-120			0.745	20

Method Blank (MB)

(MB) R4272923-1 09/13/25 16:13

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	ND		0.500	0.500
Barium	ND		50.0	50.0
Cadmium	ND		0.500	0.500
Copper	ND		50.0	50.0
Lead	ND		50.0	50.0
Nickel	ND		10.0	10.0
Selenium	ND		0.100	0.100
Silver	ND		0.500	0.500
Zinc	ND		250	250

Laboratory Control Sample (LCS)

(LCS) R4272923-2 09/13/25 16:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	106	106	80.0-120	
Barium	100	104	104	80.0-120	
Cadmium	100	110	110	80.0-120	
Copper	100	108	108	80.0-120	
Lead	100	107	107	80.0-120	
Nickel	100	109	109	80.0-120	
Selenium	100	105	105	80.0-120	
Silver	20.0	21.2	106	80.0-120	
Zinc	100	106	106	80.0-120	

L1891011-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1891011-10 09/13/25 16:19 • (MS) R4272923-5 09/13/25 16:28 • (MSD) R4272923-6 09/13/25 16:31

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	1.95	95.0	92.3	93.0	90.3	5	75.0-125			2.85	20
Barium	100	71.6	173	160	102	88.2	5	75.0-125			8.17	20
Cadmium	100	ND	98.7	93.4	98.7	93.4	5	75.0-125			5.47	20
Copper	100	ND	104	98.9	104	98.9	5	75.0-125			5.42	20
Lead	100	ND	104	97.8	104	97.8	5	75.0-125			5.75	20
Nickel	100	ND	105	101	105	101	5	75.0-125			4.23	20
Selenium	100	0.176	95.8	90.9	95.6	90.7	5	75.0-125			5.25	20
Silver	20.0	ND	19.6	18.4	98.0	91.9	5	75.0-125			6.43	20
Zinc	100	ND	ND	ND	123	121	5	75.0-125			2.03	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

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
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.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.

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	LAO000356
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/Tasman - CO
4725 Independence St,
Wheat Ridge, Colorado 80033

Billing Information:
Accounts Payable
650 Southgate Dr.
Windsor, CO 80550

Pres Chk

Project Manager:
Sam Vogt / Jacob Evans

Email: **svogt@tasman-geo.com / Jevans@civiresources.com**

Project Name: Sprague 32-9&6-4-9

Please Circle: PT (MT) CT ET

Phone: **610-405-9078**

Lab Project #:

AFE# or C/C: 22237, 24923

Collected by (print): Max Sherwin

Site/Facility ID #:

Billing Code #: 8523.195

Collected by (signature): MSher

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

Quote #

Date Results Needed: STD

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	# of Containers	Full TABLE915 8ozClr-NoPres	Background TABLE915 8ozClr-NoPres	V8260 (GW TABLE915) 40mL Amb-HCl	Chloride, Sulfate 125mL HDPE-NoPres	TDS 1L-HDPE-NoPres	Barium	Hex-Chrome	Lead			Remarks	Sample # (lab only)
6-WH-B01@6'	Grab	SS	6'	8/19/2025	900	1						X	X	X				01
6-FL-B01@MS 4'	↓	↓	MS 4'	↓	905	↓								X				02
SP-CS01@4'	Comp		4'		910								X					03
BG01@4'	Grab		4'		1300			X										04
BG01@6'	↓		6'		1305			↓										05
BG02@4'			4'		1310													06
BG02@6'			6'		1315													07
BG03@4'			4'		1320													08
BG03@6'			6'		1325													09
BG04@4'	↓	↓	4'	↓	1330	↓		↓										10

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

Remarks:
pH, EC, SAR by saturated paste preparation method
Boron by hot water soluble preparation method
Table 915-1 Metals - As, Ba, Cd, Cu, Pb, Ni, Se, Ag, Zn, Cr VI

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
MSher	8/19/2025	1904	Base Camp
Base Camp	8/20/25	1800	SWA Corp
			Received for lab by: (Signature)

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

Temp: °C Bottles Received:
TLA 92.1-0.1-2.0 13

Date: 08/21/2025 Time: 1400

Sample Receipt Checklist
COC Seal Present/Intact: __NP X Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: X 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: X Y __N

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

PNOCO

Chain of Custody Page 1 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # C201

Acctnum: **CIVTASBCO**
Template: **T250702**
Prelogin: **P1068185**
PM: **824 - Chris Ward**
PB:
Shipped Via: **FedEX Ground**

Company Name/Address:
Civitas/Tasman - CO
4725 Independence St,
Wheat Ridge, Colorado 80033

Billing Information:
Accounts Payable
650 Southgate Dr.
Windsor, CO 80550

Pres Chk

Project Manager:
Sam Vogt / Jacob Evans

Email: **svogt@tasman-geo.com / Jevans@civiresources.com**

Project Name: Sprague 32-9 & 6-4-9

Please Circle: PT MT CT ET

Phone: **610-405-9078**

Lab Project #:

AFE# or C/C: 22237, 24923

Collected by (print): Max Shemin

Site/Facility ID #:

Billing Code #: 8523.195

Collected by (signature):

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

Quote #

Date Results Needed: STD

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	# of Containers	Full TABLE915 8ozClr-NoPres	Background TABLE915 8ozClr-NoPres	V8260 (GW TABLE915) 40mL Amb-HCl	Chloride, Sulfate 125mL HDPE-NoPres	TDS 1L-HDPE-NoPres	Remarks	Sample # (lab only)
BG04a6'	Grab	SS	6'	8/19/2025	1335	1		X					11
BG05a4'	↓	↓	4'		1340	↓		↓					12
BG05a6'	↓	↓	6'	↓	1345	↓		↓					13

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard- terms.pdf

SDG # L1249104

Table #

Acctnum: **CIVTASBCO**
Template:**T250702**
Prelogin: **P1068185**
PM: **824 - Chris Ward**
PB:

Shipped Via: **FedEX Ground**

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

Remarks:
pH, EC, SAR by saturated paste preparation method
Boron by hot water soluble preparation method
Table 915-1 Metals - As, Ba, Cd, Cu, Pb, Ni, Se, Ag, Zn, Cr VI

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP X Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: X 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: X Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	8/19/2025	1904	Sarah Corvino		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
Sarah Corvino	8/20/25	1800	SWA Cor90	TLA 2.1-0.1-2.0 13	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: / Condition: NCF / OK
			Adriff Barker	08/21/2025 1400	

PNDCO