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ANALYTICAL REPORT

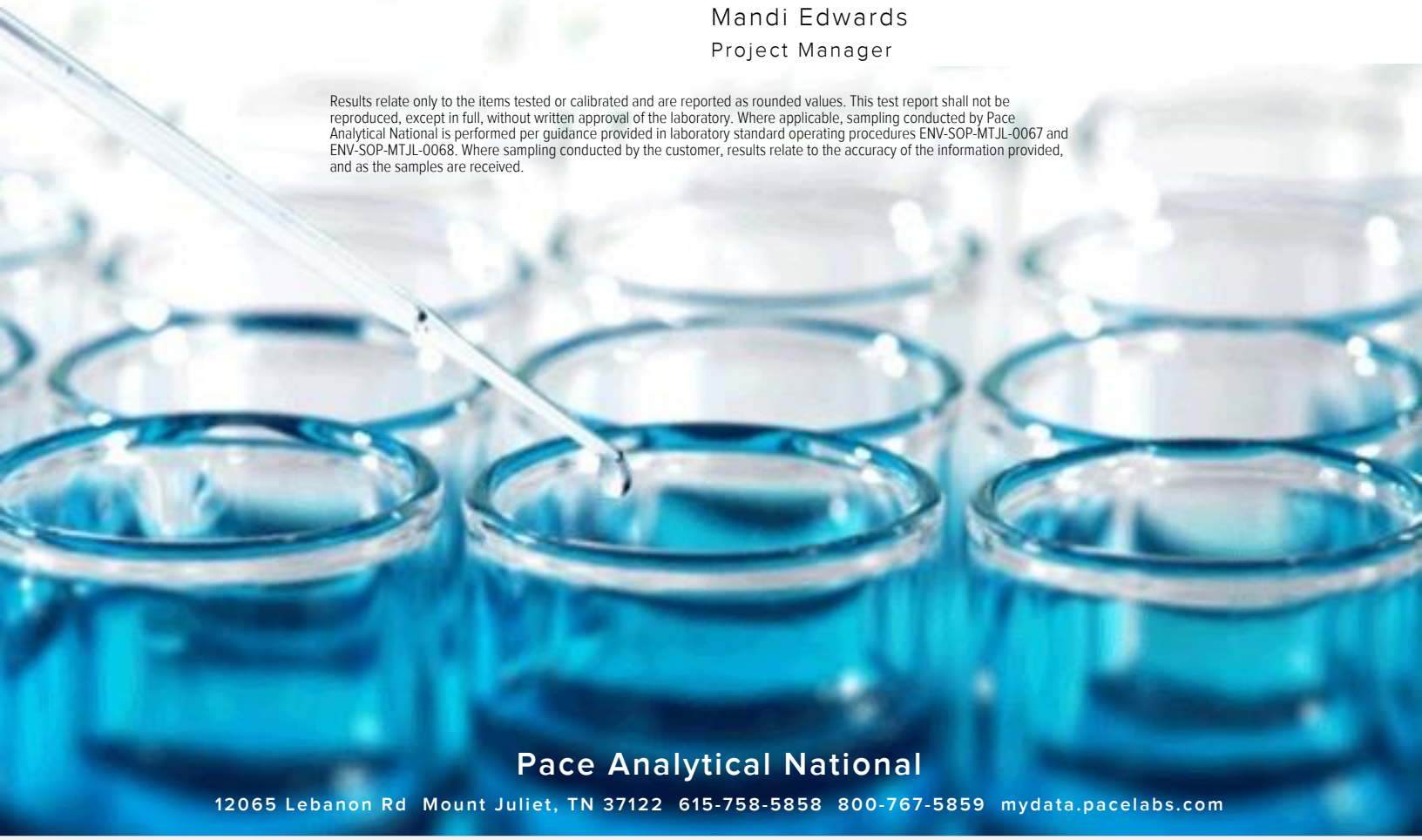
June 24, 2025

Civitas - CO

Sample Delivery Group:	L1866577
Samples Received:	06/05/2025
Project Number:	24479 , 24480
Description:	Stipanovich 41-27 & 8-0-27
Report To:	Civitas-Tasman 4725 Independence Suite 100 Wheat Ridge, CO 80033

Entire Report Reviewed By:

Mandi Edwards
Project Manager



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

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BG11@4' L1866577-01

Collected by: BL/MS | Collected date/time: 06/03/25 11:00 | Received date/time: 06/05/25 10:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2534203	1	06/11/25 10:29	06/11/25 10:29	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2534386	1	06/16/25 10:04	06/18/25 21:54	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2535601	1	06/11/25 07:34	06/12/25 08:45	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2535605	1	06/11/25 07:35	06/13/25 21:35	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2534212	1	06/11/25 19:35	06/13/25 08:06	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2534629	5	06/10/25 13:18	06/19/25 14:33	LD	Mt. Juliet, TN

BG11@6' L1866577-02

Collected by: BL/MS | Collected date/time: 06/03/25 12:10 | Received date/time: 06/05/25 10:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2534203	1	06/11/25 10:31	06/11/25 10:31	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2534386	1	06/16/25 10:04	06/18/25 22:47	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2535601	1	06/11/25 07:34	06/12/25 08:45	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2535605	1	06/11/25 07:35	06/13/25 21:35	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2534212	1	06/11/25 19:35	06/13/25 08:07	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2534629	5	06/10/25 13:18	06/19/25 14:36	LD	Mt. Juliet, TN

BG11@7' L1866577-03

Collected by: BL/MS | Collected date/time: 06/03/25 12:15 | Received date/time: 06/05/25 10:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2534203	1	06/11/25 10:33	06/11/25 10:33	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2534386	1	06/16/25 10:04	06/18/25 22:57	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2535601	1	06/11/25 07:34	06/12/25 08:45	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2535605	1	06/11/25 07:35	06/13/25 21:35	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2534212	1	06/11/25 19:35	06/13/25 08:09	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2534629	5	06/10/25 13:18	06/19/25 14:17	LD	Mt. Juliet, TN

BG12@4' L1866577-04

Collected by: BL/MS | Collected date/time: 06/03/25 11:15 | Received date/time: 06/05/25 10:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2534203	1	06/11/25 10:34	06/11/25 10:34	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2534386	1	06/16/25 10:04	06/18/25 23:08	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2535601	1	06/11/25 07:34	06/12/25 08:45	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2535605	1	06/11/25 07:35	06/13/25 21:35	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2534212	1	06/11/25 19:35	06/13/25 08:14	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2534629	5	06/10/25 13:18	06/19/25 14:39	LD	Mt. Juliet, TN

BG12@6' L1866577-05

Collected by: BL/MS | Collected date/time: 06/03/25 12:30 | Received date/time: 06/05/25 10:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2534203	1	06/11/25 10:36	06/11/25 10:36	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2534386	5	06/16/25 10:04	06/18/25 23:39	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2535601	1	06/11/25 07:34	06/12/25 08:45	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2535605	1	06/11/25 07:35	06/13/25 21:35	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2534212	1	06/11/25 19:35	06/13/25 08:16	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2534629	5	06/10/25 13:18	06/19/25 17:13	UNP	Mt. Juliet, TN

BG12@7' L1866577-06

Collected by: BL/MS | Collected date/time: 06/03/25 12:35 | Received date/time: 06/05/25 10:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2534203	1	06/11/25 10:41	06/11/25 10:41	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2534386	1	06/16/25 10:04	06/18/25 23:49	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2535601	1	06/11/25 07:34	06/12/25 08:45	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2535605	1	06/11/25 07:35	06/13/25 21:35	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2534212	1	06/11/25 19:35	06/13/25 08:17	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2534629	5	06/10/25 13:18	06/19/25 14:56	LD	Mt. Juliet, TN

BG13@4' L1866577-07

Collected by: BL/MS | Collected date/time: 06/03/25 11:30 | Received date/time: 06/05/25 10:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2534203	1	06/11/25 10:43	06/11/25 10:43	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2534386	1	06/16/25 10:04	06/19/25 00:00	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2535601	1	06/11/25 07:34	06/12/25 08:45	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2535605	1	06/11/25 07:35	06/13/25 21:35	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2534212	1	06/11/25 19:35	06/13/25 08:19	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2534629	5	06/10/25 13:18	06/19/25 18:01	UNP	Mt. Juliet, TN

BG13@6' L1866577-08

Collected by: BL/MS | Collected date/time: 06/03/25 12:50 | Received date/time: 06/05/25 10:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2534203	1	06/11/25 10:44	06/11/25 10:44	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2534386	1	06/16/25 10:04	06/19/25 00:10	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2535601	1	06/11/25 07:34	06/12/25 08:45	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2535605	1	06/11/25 07:35	06/13/25 21:35	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2534212	1	06/11/25 19:35	06/13/25 08:21	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2534629	5	06/10/25 13:18	06/19/25 15:02	LD	Mt. Juliet, TN

BG13@7' L1866577-09

Collected by: BL/MS | Collected date/time: 06/03/25 12:55 | Received date/time: 06/05/25 10:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2534203	1	06/11/25 10:46	06/11/25 10:46	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2534386	1	06/16/25 10:04	06/19/25 00:21	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2535601	1	06/11/25 07:34	06/12/25 08:45	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2535605	1	06/11/25 07:35	06/13/25 21:35	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2534212	1	06/11/25 19:35	06/13/25 08:22	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2534629	5	06/10/25 13:18	06/19/25 15:05	LD	Mt. Juliet, TN

BG14@4' L1866577-10

Collected by: BL/MS | Collected date/time: 06/03/25 11:45 | Received date/time: 06/05/25 10:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2534203	1	06/11/25 10:48	06/11/25 10:48	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2534386	1	06/16/25 10:04	06/19/25 00:31	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2535601	1	06/11/25 07:34	06/12/25 08:45	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2535605	1	06/11/25 07:35	06/13/25 21:35	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2534212	1	06/11/25 19:35	06/13/25 08:24	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2534629	5	06/10/25 13:18	06/19/25 15:08	LD	Mt. Juliet, TN

BG14@6' L1866577-11

Collected by: BL/MS | Collected date/time: 06/03/25 13:10 | Received date/time: 06/05/25 10:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2534203	1	06/11/25 10:49	06/11/25 10:49	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2534386	1	06/16/25 10:04	06/19/25 00:42	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2535601	1	06/11/25 07:34	06/12/25 08:45	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2535605	1	06/11/25 07:35	06/13/25 21:35	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2534212	1	06/11/25 19:35	06/13/25 08:26	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2534629	5	06/10/25 13:18	06/19/25 15:12	LD	Mt. Juliet, TN

BG14@7' L1866577-12

Collected by: BL/MS | Collected date/time: 06/03/25 13:15 | Received date/time: 06/05/25 10:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2534203	1	06/11/25 10:51	06/11/25 10:51	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2534386	1	06/16/25 10:04	06/19/25 00:52	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2535601	1	06/11/25 07:34	06/12/25 08:45	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2535605	1	06/11/25 07:35	06/13/25 21:35	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2534212	1	06/11/25 19:35	06/13/25 08:27	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2534629	5	06/10/25 13:18	06/19/25 15:15	LD	Mt. Juliet, TN

BG15@4' L1866577-13

Collected by: BL/MS | Collected date/time: 06/03/25 12:00 | Received date/time: 06/05/25 10:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2534203	1	06/11/25 10:53	06/11/25 10:53	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2534386	1	06/16/25 10:04	06/19/25 01:13	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2535601	1	06/11/25 07:34	06/12/25 08:45	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2535605	1	06/11/25 07:35	06/13/25 21:35	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2534212	1	06/11/25 19:35	06/13/25 08:29	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2534629	5	06/10/25 13:18	06/19/25 15:18	LD	Mt. Juliet, TN

BG15@6' L1866577-14

Collected by: BL/MS | Collected date/time: 06/03/25 13:30 | Received date/time: 06/05/25 10:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2534203	1	06/11/25 10:54	06/11/25 10:54	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2534386	1	06/16/25 10:04	06/19/25 01:45	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2535601	1	06/11/25 07:34	06/12/25 08:45	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2535605	1	06/11/25 07:35	06/13/25 21:35	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2534212	1	06/11/25 19:35	06/13/25 07:45	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2534629	5	06/10/25 13:18	06/19/25 15:42	LD	Mt. Juliet, TN

BG15@7' L1866577-15

Collected by: BL/MS | Collected date/time: 06/03/25 13:35 | Received date/time: 06/05/25 10:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2534203	1	06/11/25 10:56	06/11/25 10:56	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2534386	1	06/16/25 10:04	06/19/25 01:55	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2535601	1	06/11/25 07:34	06/12/25 08:45	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2535605	1	06/11/25 07:35	06/13/25 21:35	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2534212	1	06/11/25 19:35	06/13/25 07:47	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2534629	5	06/10/25 13:18	06/19/25 15:45	LD	Mt. Juliet, TN

CASE NARRATIVE

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

Mandi Edwards
Project Manager

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	22.9		1	06/11/2025 10:29	WG2534203

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	0.200	1	06/18/2025 21:54	WG2534386

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.59		1	06/12/2025 08:45	WG2535601

Sample Narrative:

L1866577-01 WG2535601: 8.59 at 21.2C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	3500	umhos/cm		10.0	1	06/13/2025 21:35	WG2535605

Sample Narrative:

L1866577-01 WG2535605: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.810		0.0167	0.200	1	06/13/2025 08:06	WG2534212

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	9.32		0.100	0.100	5	06/19/2025 14:33	WG2534629
Barium	274		10.0	10.0	5	06/19/2025 14:33	WG2534629
Cadmium	0.351		0.100	0.100	5	06/19/2025 14:33	WG2534629
Copper	22.2		10.0	10.0	5	06/19/2025 14:33	WG2534629
Lead	17.7		10.0	10.0	5	06/19/2025 14:33	WG2534629
Nickel	29.7		10.0	10.0	5	06/19/2025 14:33	WG2534629
Selenium	1.42		0.100	0.100	5	06/19/2025 14:33	WG2534629
Silver	ND		0.500	0.500	5	06/19/2025 14:33	WG2534629
Zinc	111		50.0	50.0	5	06/19/2025 14:33	WG2534629

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	30.4		1	06/11/2025 10:31	WG2534203

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	0.200	1	06/18/2025 22:47	WG2534386

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.94		1	06/12/2025 08:45	WG2535601

Sample Narrative:

L1866577-02 WG2535601: 8.94 at 21.6C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	3850	umhos/cm		10.0	1	06/13/2025 21:35	WG2535605

Sample Narrative:

L1866577-02 WG2535605: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.812		0.0167	0.200	1	06/13/2025 08:07	WG2534212

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	6.17		0.100	0.100	5	06/19/2025 14:36	WG2534629
Barium	396		10.0	10.0	5	06/19/2025 14:36	WG2534629
Cadmium	0.272		0.100	0.100	5	06/19/2025 14:36	WG2534629
Copper	16.2		10.0	10.0	5	06/19/2025 14:36	WG2534629
Lead	14.8		10.0	10.0	5	06/19/2025 14:36	WG2534629
Nickel	17.9		10.0	10.0	5	06/19/2025 14:36	WG2534629
Selenium	0.772		0.100	0.100	5	06/19/2025 14:36	WG2534629
Silver	ND		0.500	0.500	5	06/19/2025 14:36	WG2534629
Zinc	64.2		50.0	50.0	5	06/19/2025 14:36	WG2534629

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	13.6		1	06/11/2025 10:33	WG2534203

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.212		0.200	0.200	1	06/18/2025 22:57	WG2534386

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.49		1	06/12/2025 08:45	WG2535601

Sample Narrative:

L1866577-03 WG2535601: 8.49 at 21.2C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1900	umhos/cm		10.0	1	06/13/2025 21:35	WG2535605

Sample Narrative:

L1866577-03 WG2535605: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.639		0.0167	0.200	1	06/13/2025 08:09	WG2534212

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	7.35		0.100	0.100	5	06/19/2025 14:17	WG2534629
Barium	569	J3 V	10.0	10.0	5	06/19/2025 14:17	WG2534629
Cadmium	0.277		0.100	0.100	5	06/19/2025 14:17	WG2534629
Copper	17.2		10.0	10.0	5	06/19/2025 14:17	WG2534629
Lead	14.8		10.0	10.0	5	06/19/2025 14:17	WG2534629
Nickel	20.5		10.0	10.0	5	06/19/2025 14:17	WG2534629
Selenium	0.977		0.100	0.100	5	06/19/2025 14:17	WG2534629
Silver	ND		0.500	0.500	5	06/19/2025 14:17	WG2534629
Zinc	72.5		50.0	50.0	5	06/19/2025 14:17	WG2534629

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	30.4		1	06/11/2025 10:34	WG2534203

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	0.200	1	06/18/2025 23:08	WG2534386

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.55		1	06/12/2025 08:45	WG2535601

Sample Narrative:

L1866577-04 WG2535601: 8.55 at 21.1C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	4130	umhos/cm		10.0	1	06/13/2025 21:35	WG2535605

Sample Narrative:

L1866577-04 WG2535605: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.01		0.0167	0.200	1	06/13/2025 08:14	WG2534212

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	10.3		0.100	0.100	5	06/19/2025 14:39	WG2534629
Barium	332		10.0	10.0	5	06/19/2025 14:39	WG2534629
Cadmium	0.374		0.100	0.100	5	06/19/2025 14:39	WG2534629
Copper	21.3		10.0	10.0	5	06/19/2025 14:39	WG2534629
Lead	16.4		10.0	10.0	5	06/19/2025 14:39	WG2534629
Nickel	21.6		10.0	10.0	5	06/19/2025 14:39	WG2534629
Selenium	1.43		0.100	0.100	5	06/19/2025 14:39	WG2534629
Silver	ND		0.500	0.500	5	06/19/2025 14:39	WG2534629
Zinc	73.4		50.0	50.0	5	06/19/2025 14:39	WG2534629

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	28.0		1	06/11/2025 10:36	WG2534203

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	1.20		1.00	1.00	5	06/18/2025 23:39	WG2534386

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.68		1	06/12/2025 08:45	WG2535601

Sample Narrative:

L1866577-05 WG2535601: 8.68 at 22.6C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	3530	umhos/cm		10.0	1	06/13/2025 21:35	WG2535605

Sample Narrative:

L1866577-05 WG2535605: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.918		0.0167	0.200	1	06/13/2025 08:16	WG2534212

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	6.25		0.100	0.100	5	06/19/2025 17:13	WG2534629
Barium	255		10.0	10.0	5	06/19/2025 17:13	WG2534629
Cadmium	0.287		0.100	0.100	5	06/19/2025 17:13	WG2534629
Copper	15.4		10.0	10.0	5	06/19/2025 17:13	WG2534629
Lead	15.9		10.0	10.0	5	06/19/2025 17:13	WG2534629
Nickel	28.7		10.0	10.0	5	06/19/2025 17:13	WG2534629
Selenium	0.886		0.100	0.100	5	06/19/2025 17:13	WG2534629
Silver	ND		0.500	0.500	5	06/19/2025 17:13	WG2534629
Zinc	70.4		50.0	50.0	5	06/19/2025 17:13	WG2534629

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	15.1		1	06/11/2025 10:41	WG2534203

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	0.200	1	06/18/2025 23:49	WG2534386

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.15		1	06/12/2025 08:45	WG2535601

Sample Narrative:

L1866577-06 WG2535601: 8.15 at 22.5C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	8350	umhos/cm		10.0	1	06/13/2025 21:35	WG2535605

Sample Narrative:

L1866577-06 WG2535605: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.30		0.0167	0.200	1	06/13/2025 08:17	WG2534212

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	6.51		0.100	0.100	5	06/19/2025 14:56	WG2534629
Barium	281		10.0	10.0	5	06/19/2025 14:56	WG2534629
Cadmium	0.281		0.100	0.100	5	06/19/2025 14:56	WG2534629
Copper	17.1		10.0	10.0	5	06/19/2025 14:56	WG2534629
Lead	14.7		10.0	10.0	5	06/19/2025 14:56	WG2534629
Nickel	18.6		10.0	10.0	5	06/19/2025 14:56	WG2534629
Selenium	0.810		0.100	0.100	5	06/19/2025 14:56	WG2534629
Silver	ND		0.500	0.500	5	06/19/2025 14:56	WG2534629
Zinc	65.3		50.0	50.0	5	06/19/2025 14:56	WG2534629

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	3.71		1	06/11/2025 10:43	WG2534203

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	0.200	1	06/19/2025 00:00	WG2534386

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.74		1	06/12/2025 08:45	WG2535601

Sample Narrative:

L1866577-07 WG2535601: 7.74 at 22.1C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	3570	umhos/cm		10.0	1	06/13/2025 21:35	WG2535605

Sample Narrative:

L1866577-07 WG2535605: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.39		0.0167	0.200	1	06/13/2025 08:19	WG2534212

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	6.18		0.100	0.100	5	06/19/2025 18:01	WG2534629
Barium	354		10.0	10.0	5	06/19/2025 18:01	WG2534629
Cadmium	0.312		0.100	0.100	5	06/19/2025 18:01	WG2534629
Copper	17.5		10.0	10.0	5	06/19/2025 18:01	WG2534629
Lead	14.4		10.0	10.0	5	06/19/2025 18:01	WG2534629
Nickel	20.7		10.0	10.0	5	06/19/2025 18:01	WG2534629
Selenium	0.701		0.100	0.100	5	06/19/2025 18:01	WG2534629
Silver	ND		0.500	0.500	5	06/19/2025 18:01	WG2534629
Zinc	67.2		50.0	50.0	5	06/19/2025 18:01	WG2534629

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	31.0		1	06/11/2025 10:44	WG2534203

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	0.200	1	06/19/2025 00:10	WG2534386

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.83		1	06/12/2025 08:45	WG2535601

Sample Narrative:

L1866577-08 WG2535601: 8.83 at 22.3C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	3700	umhos/cm		10.0	1	06/13/2025 21:35	WG2535605

Sample Narrative:

L1866577-08 WG2535605: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.755		0.0167	0.200	1	06/13/2025 08:21	WG2534212

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	15.2		0.100	0.100	5	06/19/2025 15:02	WG2534629
Barium	308		10.0	10.0	5	06/19/2025 15:02	WG2534629
Cadmium	0.423		0.100	0.100	5	06/19/2025 15:02	WG2534629
Copper	25.5		10.0	10.0	5	06/19/2025 15:02	WG2534629
Lead	17.0		10.0	10.0	5	06/19/2025 15:02	WG2534629
Nickel	20.8		10.0	10.0	5	06/19/2025 15:02	WG2534629
Selenium	2.07		0.100	0.100	5	06/19/2025 15:02	WG2534629
Silver	ND		0.500	0.500	5	06/19/2025 15:02	WG2534629
Zinc	71.7		50.0	50.0	5	06/19/2025 15:02	WG2534629

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	22.4		1	06/11/2025 10:46	WG2534203

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.372		0.200	0.200	1	06/19/2025 00:21	WG2534386

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.52		1	06/12/2025 08:45	WG2535601

Sample Narrative:

L1866577-09 WG2535601: 8.52 at 22C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	3320	umhos/cm		10.0	1	06/13/2025 21:35	WG2535605

Sample Narrative:

L1866577-09 WG2535605: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.774		0.0167	0.200	1	06/13/2025 08:22	WG2534212

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	6.76		0.100	0.100	5	06/19/2025 15:05	WG2534629
Barium	508		10.0	10.0	5	06/19/2025 15:05	WG2534629
Cadmium	0.325		0.100	0.100	5	06/19/2025 15:05	WG2534629
Copper	18.0		10.0	10.0	5	06/19/2025 15:05	WG2534629
Lead	13.5		10.0	10.0	5	06/19/2025 15:05	WG2534629
Nickel	20.4		10.0	10.0	5	06/19/2025 15:05	WG2534629
Selenium	1.06		0.100	0.100	5	06/19/2025 15:05	WG2534629
Silver	ND		0.500	0.500	5	06/19/2025 15:05	WG2534629
Zinc	64.1		50.0	50.0	5	06/19/2025 15:05	WG2534629

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	18.3		1	06/11/2025 10:48	WG2534203

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	0.200	1	06/19/2025 00:31	WG2534386

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.14		1	06/12/2025 08:45	WG2535601

Sample Narrative:

L1866577-10 WG2535601: 8.14 at 22.1C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	9350	umhos/cm		10.0	1	06/13/2025 21:35	WG2535605

Sample Narrative:

L1866577-10 WG2535605: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.25		0.0167	0.200	1	06/13/2025 08:24	WG2534212

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	10.8		0.100	0.100	5	06/19/2025 15:08	WG2534629
Barium	628		10.0	10.0	5	06/19/2025 15:08	WG2534629
Cadmium	0.444		0.100	0.100	5	06/19/2025 15:08	WG2534629
Copper	21.0		10.0	10.0	5	06/19/2025 15:08	WG2534629
Lead	14.5		10.0	10.0	5	06/19/2025 15:08	WG2534629
Nickel	16.5		10.0	10.0	5	06/19/2025 15:08	WG2534629
Selenium	1.93		0.100	0.100	5	06/19/2025 15:08	WG2534629
Silver	ND		0.500	0.500	5	06/19/2025 15:08	WG2534629
Zinc	51.9		50.0	50.0	5	06/19/2025 15:08	WG2534629

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	22.0		1	06/11/2025 10:49	WG2534203

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	0.200	1	06/19/2025 00:42	WG2534386

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.22		1	06/12/2025 08:45	WG2535601

Sample Narrative:

L1866577-11 WG2535601: 8.22 at 22.1C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	4250	umhos/cm		10.0	1	06/13/2025 21:35	WG2535605

Sample Narrative:

L1866577-11 WG2535605: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.890		0.0167	0.200	1	06/13/2025 08:26	WG2534212

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	6.13		0.100	0.100	5	06/19/2025 15:12	WG2534629
Barium	238		10.0	10.0	5	06/19/2025 15:12	WG2534629
Cadmium	0.299		0.100	0.100	5	06/19/2025 15:12	WG2534629
Copper	17.6		10.0	10.0	5	06/19/2025 15:12	WG2534629
Lead	15.6		10.0	10.0	5	06/19/2025 15:12	WG2534629
Nickel	21.9		10.0	10.0	5	06/19/2025 15:12	WG2534629
Selenium	1.15		0.100	0.100	5	06/19/2025 15:12	WG2534629
Silver	ND		0.500	0.500	5	06/19/2025 15:12	WG2534629
Zinc	73.6		50.0	50.0	5	06/19/2025 15:12	WG2534629

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	13.7		1	06/11/2025 10:51	WG2534203

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.234		0.200	0.200	1	06/19/2025 00:52	WG2534386

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.07		1	06/12/2025 08:45	WG2535601

Sample Narrative:

L1866577-12 WG2535601: 8.07 at 21.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	7460	umhos/cm		10.0	1	06/13/2025 21:35	WG2535605

Sample Narrative:

L1866577-12 WG2535605: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.33		0.0167	0.200	1	06/13/2025 08:27	WG2534212

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	5.68		0.100	0.100	5	06/19/2025 15:15	WG2534629
Barium	151		10.0	10.0	5	06/19/2025 15:15	WG2534629
Cadmium	0.256		0.100	0.100	5	06/19/2025 15:15	WG2534629
Copper	14.8		10.0	10.0	5	06/19/2025 15:15	WG2534629
Lead	14.5		10.0	10.0	5	06/19/2025 15:15	WG2534629
Nickel	21.5		10.0	10.0	5	06/19/2025 15:15	WG2534629
Selenium	0.824		0.100	0.100	5	06/19/2025 15:15	WG2534629
Silver	ND		0.500	0.500	5	06/19/2025 15:15	WG2534629
Zinc	62.8		50.0	50.0	5	06/19/2025 15:15	WG2534629

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	28.2		1	06/11/2025 10:53	WG2534203

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.229		0.200	0.200	1	06/19/2025 01:13	WG2534386

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.53		1	06/12/2025 08:45	WG2535601

Sample Narrative:

L1866577-13 WG2535601: 8.53 at 21.8C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	3800	umhos/cm		10.0	1	06/13/2025 21:35	WG2535605

Sample Narrative:

L1866577-13 WG2535605: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.06		0.0167	0.200	1	06/13/2025 08:29	WG2534212

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	17.5		0.100	0.100	5	06/19/2025 15:18	WG2534629
Barium	216		10.0	10.0	5	06/19/2025 15:18	WG2534629
Cadmium	0.670		0.100	0.100	5	06/19/2025 15:18	WG2534629
Copper	33.9		10.0	10.0	5	06/19/2025 15:18	WG2534629
Lead	18.8		10.0	10.0	5	06/19/2025 15:18	WG2534629
Nickel	29.6		10.0	10.0	5	06/19/2025 15:18	WG2534629
Selenium	1.98		0.100	0.100	5	06/19/2025 15:18	WG2534629
Silver	ND		0.500	0.500	5	06/19/2025 15:18	WG2534629
Zinc	80.5		50.0	50.0	5	06/19/2025 15:18	WG2534629

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	16.5		1	06/11/2025 10:54	WG2534203

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	0.200	1	06/19/2025 01:45	WG2534386

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.02		1	06/12/2025 08:45	WG2535601

Sample Narrative:

L1866577-14 WG2535601: 8.02 at 21.9C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	5260	umhos/cm		10.0	1	06/13/2025 21:35	WG2535605

Sample Narrative:

L1866577-14 WG2535605: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.914		0.0167	0.200	1	06/13/2025 07:45	WG2534212

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	5.70		0.100	0.100	5	06/19/2025 15:42	WG2534629
Barium	280		10.0	10.0	5	06/19/2025 15:42	WG2534629
Cadmium	0.260		0.100	0.100	5	06/19/2025 15:42	WG2534629
Copper	15.7		10.0	10.0	5	06/19/2025 15:42	WG2534629
Lead	14.4		10.0	10.0	5	06/19/2025 15:42	WG2534629
Nickel	18.6		10.0	10.0	5	06/19/2025 15:42	WG2534629
Selenium	0.931		0.100	0.100	5	06/19/2025 15:42	WG2534629
Silver	ND		0.500	0.500	5	06/19/2025 15:42	WG2534629
Zinc	68.3		50.0	50.0	5	06/19/2025 15:42	WG2534629

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	20.4		1	06/11/2025 10:56	WG2534203

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	0.200	1	06/19/2025 01:55	WG2534386

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.11		1	06/12/2025 08:45	WG2535601

Sample Narrative:

L1866577-15 WG2535601: 8.11 at 21.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	6410	umhos/cm		10.0	1	06/13/2025 21:35	WG2535605

Sample Narrative:

L1866577-15 WG2535605: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.829		0.0167	0.200	1	06/13/2025 07:47	WG2534212

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	13.4		0.100	0.100	5	06/19/2025 15:45	WG2534629
Barium	386		10.0	10.0	5	06/19/2025 15:45	WG2534629
Cadmium	0.629		0.100	0.100	5	06/19/2025 15:45	WG2534629
Copper	24.9		10.0	10.0	5	06/19/2025 15:45	WG2534629
Lead	23.5		10.0	10.0	5	06/19/2025 15:45	WG2534629
Nickel	29.7		10.0	10.0	5	06/19/2025 15:45	WG2534629
Selenium	1.97		0.100	0.100	5	06/19/2025 15:45	WG2534629
Silver	ND		0.500	0.500	5	06/19/2025 15:45	WG2534629
Zinc	95.4		50.0	50.0	5	06/19/2025 15:45	WG2534629

Method Blank (MB)

(MB) R4232613-1 06/18/25 21:34

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

L1866577-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1866577-12 06/19/25 00:52 • (DUP) R4232613-7 06/19/25 01:03

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	0.234	0.220	1	6.00		20

L1866581-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1866581-03 06/19/25 02:37 • (DUP) R4232613-8 06/19/25 02:48

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

Laboratory Control Sample (LCS)

(LCS) R4232613-2 06/18/25 21:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	10.0	10.6	106	80.0-120	

L1866577-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1866577-01 06/18/25 21:54 • (MS) R4232613-3 06/18/25 22:05 • (MSD) R4232613-4 06/18/25 22:15

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 %
Hexavalent Chromium	20.0	ND	19.2	18.5	96.1	92.5	1	75.0-125			3.87	20

L1866577-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1866577-01 06/18/25 21:54 • (MS) R4232613-5 06/18/25 22:26

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	648	ND	617	95.2	50	75.0-125	

L1866568-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1866568-01 06/12/25 08:45 • (DUP) R4229252-2 06/12/25 08:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.44	8.45	1	0.118		1

Sample Narrative:

OS: 8.44 at 20.6C

DUP: 8.45 at 21.4C

L1866577-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1866577-16 06/12/25 08:45 • (DUP) R4229252-3 06/12/25 08:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.98	7.96	1	0.251		1

Sample Narrative:

OS: 7.98 at 21.9C

DUP: 7.96 at 21.9C

Laboratory Control Sample (LCS)

(LCS) R4229252-1 06/12/25 08:45

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 at 20.8C

Method Blank (MB)

(MB) R4230236-1 06/13/25 21:35

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

L1866568-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1866568-02 06/13/25 21:35 • (DUP) R4230236-3 06/13/25 21:35

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	786	791	1	0.634		20

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

L1866577-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1866577-15 06/13/25 21:35 • (DUP) R4230236-4 06/13/25 21:35

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	6410	6370	1	0.626		20

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

Laboratory Control Sample (LCS)

(LCS) R4230236-2 06/13/25 21:35

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	581	553	95.2	90.0-110	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4230041-1 06/13/25 07:54

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Hot Water Sol. Boron	ND		0.0167	0.200

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

(LCS) R4230041-2 06/13/25 07:55 • (LCSD) R4230041-3 06/13/25 07:57

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	1.06	1.07	106	107	80.0-120			0.893	20

Method Blank (MB)

(MB) R4233036-1 06/19/25 14:11

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		0.0855	1.00
Copper	ND		0.133	5.00
Lead	ND		10.0	10.0
Nickel	ND		0.197	2.50
Selenium	ND		0.100	0.100
Silver	ND		0.500	0.500
Zinc	ND		0.740	25.0

Laboratory Control Sample (LCS)

(LCS) R4233036-2 06/19/25 14:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	108	108	80.0-120	
Barium	100	110	110	80.0-120	
Cadmium	100	111	111	80.0-120	
Copper	100	107	107	80.0-120	
Lead	100	109	109	80.0-120	
Nickel	100	111	111	80.0-120	
Selenium	100	107	107	80.0-120	
Silver	20.0	22.2	111	80.0-120	
Zinc	100	107	107	80.0-120	

L1866577-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1866577-03 06/19/25 14:17 • (MS) R4233036-5 06/19/25 14:27 • (MSD) R4233036-6 06/19/25 14:30

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	7.35	100	102	93.0	94.2	5	75.0-125			1.17	20
Barium	100	569	351	595	0.000	25.5	5	75.0-125	V	J3 V	51.6	20
Cadmium	100	0.277	96.0	98.6	95.8	98.3	5	75.0-125			2.59	20
Copper	100	17.2	110	112	92.5	94.9	5	75.0-125			2.20	20
Lead	100	14.8	103	109	88.3	94.3	5	75.0-125			5.73	20
Nickel	100	20.5	116	116	95.4	95.8	5	75.0-125			0.330	20
Selenium	100	0.977	96.0	97.2	95.1	96.3	5	75.0-125			1.23	20
Silver	20.0	ND	19.2	19.8	95.9	98.8	5	75.0-125			2.91	20
Zinc	100	72.5	161	163	88.9	90.6	5	75.0-125			1.01	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

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
J3	The associated batch QC was outside the established quality control range for precision.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	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: Stipanovich 41-27 & 8-0-27

Please Circle: PT (MT) CT ET

Phone: **610-405-9078**

Lab Project #:

AFE# or C/C: 24479, 24480

Collected by (print): BL, MS

Site/Facility ID #:

Billing Code #: 8520.154

Collected by (signature):

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

Quote #

Date Results Needed: STD

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

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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

D117

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

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)
BG11c 4'	Grab	SS	4'	6/3/25	1100	1		X					-01
BG11c 6'			6'		1210								-02
BG11c 7'			7'		1215								-03
BG12c 4'			4'		1115								-04
BG12c 6'			6'		1230								-05
BG12c 7'			7'		1235								-06
BG13c 4'			4'		1130								-07
BG13c 6'			6'		1250								-08
BG13c 7'			7'		1255								-09
BG14c 4'			4'		1145								-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 #

Sample Receipt Checklist
COC Seal Present/Intact: __NP X 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: X Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
BL	6/3/25	1551	Sade Consino
Sade Consino	6/4/25	1820	SWA Cargo
			Received for lab by: (Signature)

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

Temp: °C Bottles Received: 16
TLA9 2.4+0.4=2.8

Date: 6/5/25 Time: 10:20

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

PROCO

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: Stipanovich 41-27 & 8-Ø-27

Please Circle: PT (MT) CT ET

Phone: **610-405-9078**

Lab Project #:

AFE# or C/C: 24479, 24480

Collected by (print): BL, MS

Site/Facility ID #:

Billing Code: 8520.154

Collected by (signature): BL

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

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	Selenium				Remarks	Sample # (lab only)
BG14@6'	Grab.	SS	6'	6/3/25	1310	1		X									-11
BG14@7'			7'		1315												-12
BG15@4'			4'		1200												-13
BG15@6'			6'		1330												-14
BG15@7'			7'		1335												-15
SP-CS05R	Comp.		-		1400							X					-16

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

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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 # L1866482

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 __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:	Time:	Received by: (Signature)
BL	6/3/25	1551	SoR Courier
SoR Courier	6/4/25	1800	SWA Cargo
			Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: °C Bottles Received:

Date: 6/5/25 Time: 10:20

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

PNDCO