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ANALYTICAL REPORT

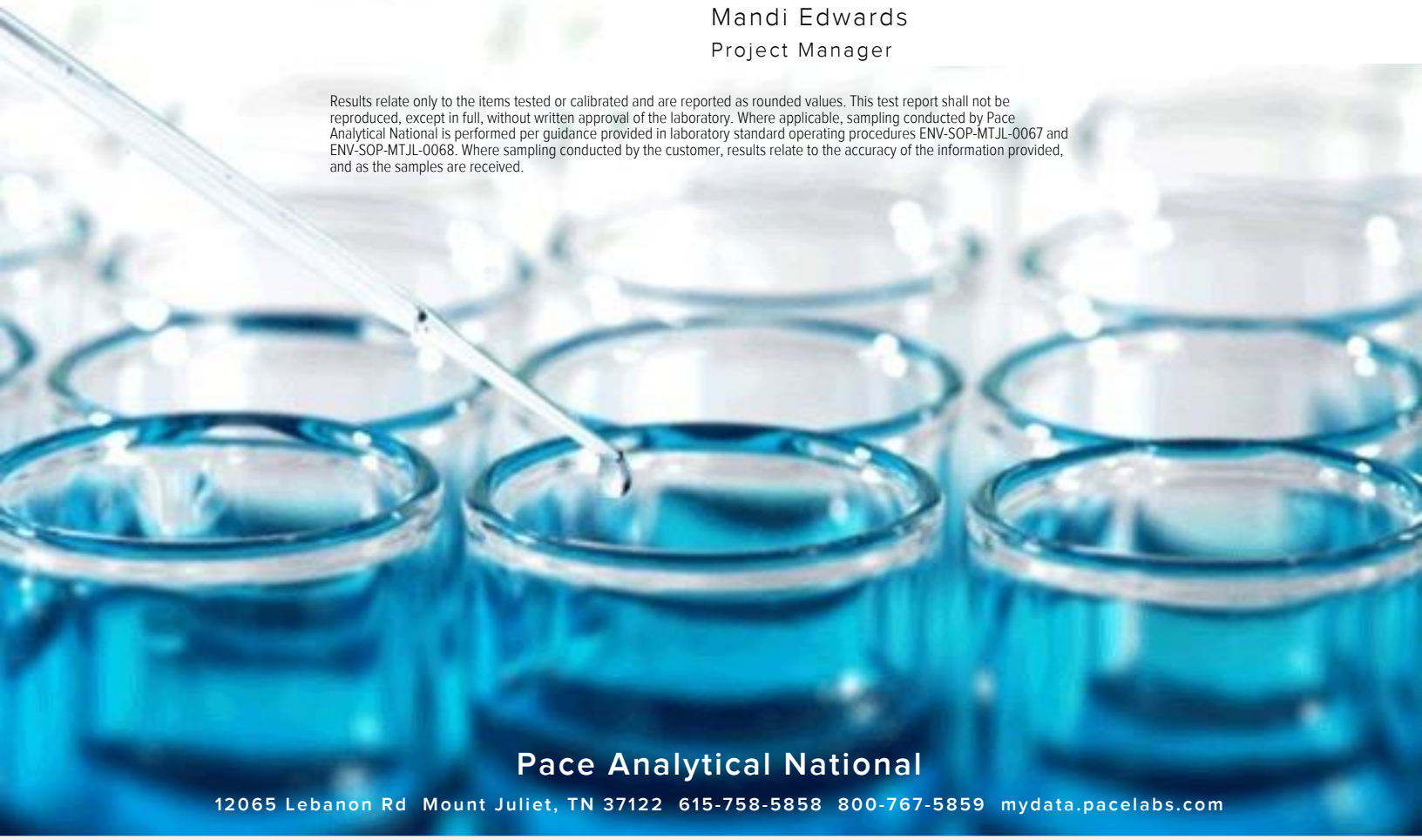
July 02, 2025

Civitas - CO

Sample Delivery Group:	L1868492
Samples Received:	06/11/2025
Project Number:	24175
Description:	Edith Ann 33-21
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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WH-B02R@8' L1868492-01

Collected by: DT/SC | Collected date/time: 06/09/25 14:00 | Received date/time: 06/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9045D	WG2542018	1	07/01/25 11:13	07/01/25 11:47	RJP	Mt. Juliet, TN

SP-CS02R@2' L1868492-02

Collected by: DT/SC | Collected date/time: 06/09/25 14:10 | Received date/time: 06/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2541007	5	06/18/25 07:17	06/19/25 13:50	JDB	Mt. Juliet, TN

BG01@6' L1868492-03

Collected by: DT/SC | Collected date/time: 06/09/25 14:20 | Received date/time: 06/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2539817	1	06/18/25 23:20	06/18/25 23:20	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2543834	1	06/30/25 07:02	07/01/25 19:42	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2541269	1	06/18/25 11:11	06/19/25 10:00	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2541274	1	06/18/25 11:13	06/19/25 19:42	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2539823	1	06/17/25 09:32	06/17/25 23:08	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2541009	5	06/18/25 08:51	06/27/25 03:00	JPD	Mt. Juliet, TN

BG01@8' L1868492-04

Collected by: DT/SC | Collected date/time: 06/09/25 14:30 | Received date/time: 06/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2539817	1	06/18/25 23:22	06/18/25 23:22	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2543834	1	06/30/25 07:02	07/01/25 19:51	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2541269	1	06/18/25 11:11	06/19/25 10:00	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2541274	1	06/18/25 11:13	06/19/25 19:42	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2539823	1	06/17/25 09:32	06/17/25 23:10	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2541009	5	06/18/25 08:51	06/27/25 03:03	JPD	Mt. Juliet, TN

BG02@6' L1868492-05

Collected by: DT/SC | Collected date/time: 06/09/25 14:40 | Received date/time: 06/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2539817	1	06/18/25 23:24	06/18/25 23:24	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2543834	1	06/30/25 07:02	07/01/25 20:01	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2541269	1	06/18/25 11:11	06/19/25 10:00	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2541274	1	06/18/25 11:13	06/19/25 19:42	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2539823	1	06/17/25 09:32	06/17/25 23:12	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2541009	5	06/18/25 08:51	06/27/25 03:06	JPD	Mt. Juliet, TN

BG02@8' L1868492-06

Collected by: DT/SC | Collected date/time: 06/09/25 14:50 | Received date/time: 06/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2539817	1	06/18/25 23:25	06/18/25 23:25	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2543834	1	06/30/25 07:02	07/01/25 20:11	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2541269	1	06/18/25 11:11	06/19/25 10:00	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2541274	1	06/18/25 11:13	06/19/25 19:42	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2539823	1	06/17/25 09:32	06/17/25 23:13	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2541009	5	06/18/25 08:51	06/27/25 03:09	JPD	Mt. Juliet, TN

BG03@6' L1868492-07

Collected by: DT/SC | Collected date/time: 06/09/25 15:00 | Received date/time: 06/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2539817	1	06/18/25 23:27	06/18/25 23:27	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2543834	1	06/30/25 07:02	07/01/25 20:20	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2541269	1	06/18/25 11:11	06/19/25 10:00	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2541274	1	06/18/25 11:13	06/19/25 19:42	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2539823	1	06/17/25 09:32	06/17/25 23:15	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2541009	5	06/18/25 08:51	06/27/25 03:12	JPD	Mt. Juliet, TN

BG03@8' L1868492-08

Collected by: DT/SC | Collected date/time: 06/09/25 15:10 | Received date/time: 06/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2539817	1	06/18/25 23:29	06/18/25 23:29	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2543834	1	06/30/25 07:02	07/01/25 20:49	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2541269	1	06/18/25 11:11	06/19/25 10:00	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2541274	1	06/18/25 11:13	06/19/25 19:42	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2539823	1	06/17/25 09:32	06/17/25 23:36	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2541009	5	06/18/25 08:51	06/27/25 03:15	JPD	Mt. Juliet, TN

BG04@6' L1868492-09

Collected by: DT/SC | Collected date/time: 06/09/25 15:20 | Received date/time: 06/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2539817	1	06/18/25 23:30	06/18/25 23:30	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2543834	1	06/30/25 07:02	07/01/25 20:59	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2541269	1	06/18/25 11:11	06/19/25 10:00	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2541274	1	06/18/25 11:13	06/19/25 19:42	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2539823	1	06/17/25 09:32	06/17/25 23:38	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2541009	5	06/18/25 08:51	06/27/25 03:18	JPD	Mt. Juliet, TN

BG04@8' L1868492-10

Collected by: DT/SC | Collected date/time: 06/09/25 15:30 | Received date/time: 06/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2539817	1	06/18/25 23:00	06/18/25 23:00	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2543834	1	06/30/25 07:02	07/01/25 21:09	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2541269	1	06/18/25 11:11	06/19/25 10:00	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2541274	1	06/18/25 11:13	06/19/25 19:42	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2539823	1	06/17/25 09:32	06/17/25 23:39	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2541009	5	06/18/25 08:51	06/27/25 02:24	JPD	Mt. Juliet, TN

BG05@6' L1868492-11

Collected by: DT/SC | Collected date/time: 06/09/25 15:40 | Received date/time: 06/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2539817	1	06/18/25 23:02	06/18/25 23:02	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2543834	1	06/30/25 07:02	07/01/25 21:18	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2541269	1	06/18/25 11:11	06/19/25 10:00	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2541274	1	06/18/25 11:13	06/19/25 19:42	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2539823	1	06/17/25 09:32	06/17/25 23:41	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2541009	5	06/18/25 08:51	06/27/25 02:27	JPD	Mt. Juliet, TN

SAMPLE SUMMARY

BG05@8' L1868492-12

Collected by: DT/SC
Collected date/time: 06/09/25 15:50
Received date/time: 06/11/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2539817	1	06/18/25 23:04	06/18/25 23:04	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2543834	1	06/30/25 07:02	07/01/25 21:28	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2541269	1	06/18/25 11:11	06/19/25 10:00	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2541274	1	06/18/25 11:13	06/19/25 19:42	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2539823	1	06/17/25 09:32	06/17/25 23:43	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2541009	5	06/18/25 08:51	06/27/25 02:30	JPD	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

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.90		1	07/01/2025 11:47	WG2542018

Sample Narrative:

L1868492-01 WG2542018: 7.9 at 20.8C

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Selenium	0.982		0.100	0.100	5	06/19/2025 13:50	WG2541007

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	5.07		1	06/18/2025 23:20	WG2539817

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.303		0.200	0.200	1	07/01/2025 19:42	WG2543834

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.90		1	06/19/2025 10:00	WG2541269

Sample Narrative:

L1868492-03 WG2541269: 7.9 at 22.6C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	2060	umhos/cm		10.0	1	06/19/2025 19:42	WG2541274

Sample Narrative:

L1868492-03 WG2541274: 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	0.541		0.0167	0.200	1	06/17/2025 23:08	WG2539823

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	5.07		0.100	0.100	5	06/27/2025 03:00	WG2541009
Barium	189		10.0	10.0	5	06/27/2025 03:00	WG2541009
Cadmium	0.249		0.100	0.100	5	06/27/2025 03:00	WG2541009
Copper	15.6		10.0	10.0	5	06/27/2025 03:00	WG2541009
Lead	11.0		10.0	10.0	5	06/27/2025 03:00	WG2541009
Nickel	18.9		10.0	10.0	5	06/27/2025 03:00	WG2541009
Selenium	0.210		0.100	0.100	5	06/27/2025 03:00	WG2541009
Silver	ND		0.500	0.500	5	06/27/2025 03:00	WG2541009
Zinc	57.6		50.0	50.0	5	06/27/2025 03:00	WG2541009

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	4.37		1	06/18/2025 23:22	WG2539817

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.415		0.200	0.200	1	07/01/2025 19:51	WG2543834

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.85		1	06/19/2025 10:00	WG2541269

Sample Narrative:

L1868492-04 WG2541269: 7.85 at 22.2C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1840	umhos/cm		10.0	1	06/19/2025 19:42	WG2541274

Sample Narrative:

L1868492-04 WG2541274: 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	0.516		0.0167	0.200	1	06/17/2025 23:10	WG2539823

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.23		0.100	0.100	5	06/27/2025 03:03	WG2541009
Barium	149		10.0	10.0	5	06/27/2025 03:03	WG2541009
Cadmium	0.341		0.100	0.100	5	06/27/2025 03:03	WG2541009
Copper	20.1		10.0	10.0	5	06/27/2025 03:03	WG2541009
Lead	13.0		10.0	10.0	5	06/27/2025 03:03	WG2541009
Nickel	18.8		10.0	10.0	5	06/27/2025 03:03	WG2541009
Selenium	0.302		0.100	0.100	5	06/27/2025 03:03	WG2541009
Silver	ND		0.500	0.500	5	06/27/2025 03:03	WG2541009
Zinc	72.7		50.0	50.0	5	06/27/2025 03:03	WG2541009

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.87		1	06/18/2025 23:24	WG2539817

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	07/01/2025 20:01	WG2543834

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.94		1	06/19/2025 10:00	WG2541269

Sample Narrative:

L1868492-05 WG2541269: 7.94 at 22.3C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1310	umhos/cm		10.0	1	06/19/2025 19:42	WG2541274

Sample Narrative:

L1868492-05 WG2541274: 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	0.456		0.0167	0.200	1	06/17/2025 23:12	WG2539823

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.45		0.100	0.100	5	06/27/2025 03:06	WG2541009
Barium	149		10.0	10.0	5	06/27/2025 03:06	WG2541009
Cadmium	0.210		0.100	0.100	5	06/27/2025 03:06	WG2541009
Copper	16.1		10.0	10.0	5	06/27/2025 03:06	WG2541009
Lead	11.4		10.0	10.0	5	06/27/2025 03:06	WG2541009
Nickel	17.7		10.0	10.0	5	06/27/2025 03:06	WG2541009
Selenium	0.278		0.100	0.100	5	06/27/2025 03:06	WG2541009
Silver	ND		0.500	0.500	5	06/27/2025 03:06	WG2541009
Zinc	64.0		50.0	50.0	5	06/27/2025 03:06	WG2541009

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.70		1	06/18/2025 23:25	WG2539817

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.382		0.200	0.200	1	07/01/2025 20:11	WG2543834

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.95		1	06/19/2025 10:00	WG2541269

Sample Narrative:

L1868492-06 WG2541269: 7.95 at 22.6C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1210	umhos/cm		10.0	1	06/19/2025 19:42	WG2541274

Sample Narrative:

L1868492-06 WG2541274: 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	0.473		0.0167	0.200	1	06/17/2025 23:13	WG2539823

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.27		0.100	0.100	5	06/27/2025 03:09	WG2541009
Barium	169		10.0	10.0	5	06/27/2025 03:09	WG2541009
Cadmium	0.279		0.100	0.100	5	06/27/2025 03:09	WG2541009
Copper	21.6		10.0	10.0	5	06/27/2025 03:09	WG2541009
Lead	15.4		10.0	10.0	5	06/27/2025 03:09	WG2541009
Nickel	22.1		10.0	10.0	5	06/27/2025 03:09	WG2541009
Selenium	0.275		0.100	0.100	5	06/27/2025 03:09	WG2541009
Silver	ND		0.500	0.500	5	06/27/2025 03:09	WG2541009
Zinc	74.7		50.0	50.0	5	06/27/2025 03:09	WG2541009

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.05		1	06/18/2025 23:27	WG2539817

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.357		0.200	0.200	1	07/01/2025 20:20	WG2543834

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.93		1	06/19/2025 10:00	WG2541269

Sample Narrative:

L1868492-07 WG2541269: 7.93 at 22.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	929	umhos/cm		10.0	1	06/19/2025 19:42	WG2541274

Sample Narrative:

L1868492-07 WG2541274: 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	0.429		0.0167	0.200	1	06/17/2025 23:15	WG2539823

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.42		0.100	0.100	5	06/27/2025 03:12	WG2541009
Barium	185		10.0	10.0	5	06/27/2025 03:12	WG2541009
Cadmium	0.199		0.100	0.100	5	06/27/2025 03:12	WG2541009
Copper	16.6		10.0	10.0	5	06/27/2025 03:12	WG2541009
Lead	11.3		10.0	10.0	5	06/27/2025 03:12	WG2541009
Nickel	17.1		10.0	10.0	5	06/27/2025 03:12	WG2541009
Selenium	0.298		0.100	0.100	5	06/27/2025 03:12	WG2541009
Silver	ND		0.500	0.500	5	06/27/2025 03:12	WG2541009
Zinc	65.9		50.0	50.0	5	06/27/2025 03:12	WG2541009

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.62		1	06/18/2025 23:29	WG2539817

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.964		0.200	0.200	1	07/01/2025 20:49	WG2543834

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.92		1	06/19/2025 10:00	WG2541269

Sample Narrative:

L1868492-08 WG2541269: 7.92 at 22.5C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	834	umhos/cm		10.0	1	06/19/2025 19:42	WG2541274

Sample Narrative:

L1868492-08 WG2541274: 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	0.312		0.0167	0.200	1	06/17/2025 23:36	WG2539823

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.39		0.100	0.100	5	06/27/2025 03:15	WG2541009
Barium	120		10.0	10.0	5	06/27/2025 03:15	WG2541009
Cadmium	0.127		0.100	0.100	5	06/27/2025 03:15	WG2541009
Copper	17.6		10.0	10.0	5	06/27/2025 03:15	WG2541009
Lead	10.9		10.0	10.0	5	06/27/2025 03:15	WG2541009
Nickel	13.1		10.0	10.0	5	06/27/2025 03:15	WG2541009
Selenium	0.221		0.100	0.100	5	06/27/2025 03:15	WG2541009
Silver	ND		0.500	0.500	5	06/27/2025 03:15	WG2541009
Zinc	59.9		50.0	50.0	5	06/27/2025 03:15	WG2541009

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.92		1	06/18/2025 23:30	WG2539817

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.344		0.200	0.200	1	07/01/2025 20:59	WG2543834

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.89		1	06/19/2025 10:00	WG2541269

Sample Narrative:

L1868492-09 WG2541269: 7.89 at 22.5C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1010	umhos/cm		10.0	1	06/19/2025 19:42	WG2541274

Sample Narrative:

L1868492-09 WG2541274: 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	0.385		0.0167	0.200	1	06/17/2025 23:38	WG2539823

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.50		0.100	0.100	5	06/27/2025 03:18	WG2541009
Barium	93.1		10.0	10.0	5	06/27/2025 03:18	WG2541009
Cadmium	0.129		0.100	0.100	5	06/27/2025 03:18	WG2541009
Copper	11.2		10.0	10.0	5	06/27/2025 03:18	WG2541009
Lead	ND		10.0	10.0	5	06/27/2025 03:18	WG2541009
Nickel	12.8		10.0	10.0	5	06/27/2025 03:18	WG2541009
Selenium	0.330		0.100	0.100	5	06/27/2025 03:18	WG2541009
Silver	ND		0.500	0.500	5	06/27/2025 03:18	WG2541009
Zinc	ND		50.0	50.0	5	06/27/2025 03:18	WG2541009

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.05		1	06/18/2025 23:00	WG2539817

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.282		0.200	0.200	1	07/01/2025 21:09	WG2543834

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.94		1	06/19/2025 10:00	WG2541269

Sample Narrative:

L1868492-10 WG2541269: 7.94 at 22.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	975	umhos/cm		10.0	1	06/19/2025 19:42	WG2541274

Sample Narrative:

L1868492-10 WG2541274: 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	0.342		0.0167	0.200	1	06/17/2025 23:39	WG2539823

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.36		0.100	0.100	5	06/27/2025 02:24	WG2541009
Barium	114		10.0	10.0	5	06/27/2025 02:24	WG2541009
Cadmium	ND		0.100	0.100	5	06/27/2025 02:24	WG2541009
Copper	16.2		10.0	10.0	5	06/27/2025 02:24	WG2541009
Lead	10.1		10.0	10.0	5	06/27/2025 02:24	WG2541009
Nickel	15.9		10.0	10.0	5	06/27/2025 02:24	WG2541009
Selenium	0.307		0.100	0.100	5	06/27/2025 02:24	WG2541009
Silver	ND		0.500	0.500	5	06/27/2025 02:24	WG2541009
Zinc	ND		50.0	50.0	5	06/27/2025 02:24	WG2541009

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.16		1	06/18/2025 23:02	WG2539817

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	07/01/2025 21:18	WG2543834

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.21		1	06/19/2025 10:00	WG2541269

Sample Narrative:

L1868492-11 WG2541269: 8.21 at 22.6C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	770	umhos/cm		10.0	1	06/19/2025 19:42	WG2541274

Sample Narrative:

L1868492-11 WG2541274: 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	0.248		0.0167	0.200	1	06/17/2025 23:41	WG2539823

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.68		0.100	0.100	5	06/27/2025 02:27	WG2541009
Barium	74.8		10.0	10.0	5	06/27/2025 02:27	WG2541009
Cadmium	0.118		0.100	0.100	5	06/27/2025 02:27	WG2541009
Copper	10.6		10.0	10.0	5	06/27/2025 02:27	WG2541009
Lead	ND		10.0	10.0	5	06/27/2025 02:27	WG2541009
Nickel	11.8		10.0	10.0	5	06/27/2025 02:27	WG2541009
Selenium	0.206		0.100	0.100	5	06/27/2025 02:27	WG2541009
Silver	ND		0.500	0.500	5	06/27/2025 02:27	WG2541009
Zinc	ND		50.0	50.0	5	06/27/2025 02:27	WG2541009

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.05		1	06/18/2025 23:04	WG2539817

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.255		0.200	0.200	1	07/01/2025 21:28	WG2543834

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.07		1	06/19/2025 10:00	WG2541269

Sample Narrative:

L1868492-12 WG2541269: 8.07 at 22.3C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	891	umhos/cm		10.0	1	06/19/2025 19:42	WG2541274

Sample Narrative:

L1868492-12 WG2541274: 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	0.520		0.0167	0.200	1	06/17/2025 23:43	WG2539823

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.67		0.100	0.100	5	06/27/2025 02:30	WG2541009
Barium	63.7		10.0	10.0	5	06/27/2025 02:30	WG2541009
Cadmium	0.123		0.100	0.100	5	06/27/2025 02:30	WG2541009
Copper	14.4		10.0	10.0	5	06/27/2025 02:30	WG2541009
Lead	11.0		10.0	10.0	5	06/27/2025 02:30	WG2541009
Nickel	16.6		10.0	10.0	5	06/27/2025 02:30	WG2541009
Selenium	0.202		0.100	0.100	5	06/27/2025 02:30	WG2541009
Silver	ND		0.500	0.500	5	06/27/2025 02:30	WG2541009
Zinc	58.7		50.0	50.0	5	06/27/2025 02:30	WG2541009

Method Blank (MB)

(MB) R4239241-1 07/01/25 18:54

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

L1868489-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1868489-02 07/01/25 19:13 • (DUP) R4239241-3 07/01/25 19:23

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

L1868512-40 Original Sample (OS) • Duplicate (DUP)

(OS) L1868512-40 07/01/25 23:43 • (DUP) R4239241-8 07/01/25 23:53

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) R4239241-2 07/01/25 19:03

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	10.0	9.45	94.5	80.0-120	

L1868512-33 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1868512-33 07/01/25 21:38 • (MS) R4239241-4 07/01/25 21:47 • (MSD) R4239241-5 07/01/25 21:57

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	16.2	17.9	80.9	89.6	1	75.0-125			10.2	20

L1868512-33 Original Sample (OS) • Matrix Spike (MS)

(OS) L1868512-33 07/01/25 21:38 • (MS) R4239241-6 07/01/25 22:07

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	646	ND	603	93.4	50	75.0-125	

L1867404-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1867404-02 06/19/25 10:00 • (DUP) R4232755-2 06/19/25 10:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.64	7.64	1	0.000		1

Sample Narrative:

OS: 7.64 at 22.9C

DUP: 7.64 at 22.9C

L1868690-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1868690-01 06/19/25 10:00 • (DUP) R4232755-3 06/19/25 10:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	pH	su		%		%
pH	8.47	8.50	1	0.354		1

Sample Narrative:

OS: 8.47 at 22.4C

DUP: 8.5 at 22.4C

Laboratory Control Sample (LCS)

(LCS) R4232755-1 06/19/25 10:00

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

Sample Narrative:

LCS: 9.99 at 21.9C

L1868492-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1868492-01 07/01/25 11:47 • (DUP) R4238811-2 07/01/25 11:47

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.90	7.90	1	0.000		1

Sample Narrative:

OS: 7.9 at 20.8C

DUP: 7.9 at 20.8C

Laboratory Control Sample (LCS)

(LCS) R4238811-1 07/01/25 11:47

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	9.95	99.5	99.0-101	

Sample Narrative:

LCS: 9.95 at 21C

Method Blank (MB)

(MB) R4233143-1 06/19/25 19:42

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

L1867406-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1867406-02 06/19/25 19:42 • (DUP) R4233143-3 06/19/25 19:42

Analyte	Original Result mmhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	ND	166	1	0.0602		20

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

L1868492-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1868492-12 06/19/25 19:42 • (DUP) R4233143-4 06/19/25 19:42

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	891	892	1	0.112		20

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

Laboratory Control Sample (LCS)

(LCS) R4233143-2 06/19/25 19:42

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	581	575	99.0	90.0-110	

Sample Narrative:
LCS: at 25C

QUALITY CONTROL SUMMARY

L1868492-03,04,05,06,07,08,09,10,11,12

Method Blank (MB)

(MB) R4232260-1 06/17/25 23:00

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) R4232260-2 06/17/25 23:02 • (LCSD) R4232260-3 06/17/25 23:03

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	2.00	2.08	2.11	104	211	80.0-120			1.39	20

Method Blank (MB)

(MB) R4232630-1 06/19/25 01:00

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Selenium	ND		0.100	0.100

Laboratory Control Sample (LCS)

(LCS) R4232630-2 06/19/25 01:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Selenium	100	91.0	91.0	80.0-120	

L1868492-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1868492-02 06/19/25 01:08 • (MS) R4232630-5 06/19/25 01:18 • (MSD) R4232630-6 06/19/25 01:21

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 %
Selenium	100	0.586	101	99.1	100	98.5	5	75.0-125			1.73	20

QUALITY CONTROL SUMMARY

L1868492-03,04,05,06,07,08,09,10,11,12

Method Blank (MB)

(MB) R4236974-1 06/26/25 23:17

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

Laboratory Control Sample (LCS)

(LCS) R4236974-2 06/26/25 23:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	103	103	80.0-120	
Barium	100	101	101	80.0-120	
Cadmium	100	106	106	80.0-120	
Copper	100	105	105	80.0-120	
Lead	100	99.8	99.8	80.0-120	
Nickel	100	106	106	80.0-120	
Selenium	100	100	100	80.0-120	
Silver	20.0	23.0	115	80.0-120	
Zinc	100	103	103	80.0-120	

L1868457-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1868457-10 06/26/25 23:23 • (MS) R4236974-5 06/26/25 23:33 • (MSD) R4236974-6 06/26/25 23:36

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	1.28	94.9	91.1	93.6	89.8	5	75.0-125			4.10	20
Barium	100	40.9	142	140	101	98.7	5	75.0-125			1.67	20
Cadmium	100	ND	94.2	90.2	94.2	90.2	5	75.0-125			4.24	20
Copper	100	ND	99.2	92.9	99.2	92.9	5	75.0-125			6.51	20
Lead	100	ND	92.4	89.3	92.4	89.3	5	75.0-125			3.35	20
Nickel	100	ND	101	95.7	101	95.7	5	75.0-125			5.18	20
Selenium	100	0.102	90.6	89.2	90.5	89.1	5	75.0-125			1.59	20
Silver	20.0	ND	20.8	20.5	104	103	5	75.0-125			1.17	20
Zinc	100	ND	110	103	110	103	5	75.0-125			6.32	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

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Page 1 of 2

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:	Edith Ann 33-21
Please Circle:	PT (MT) CT ET
Phone:	**610-405-9078**
Lab Project #:	
AFE# or C/C:	24175
Collected by (print):	DT, SC
Site/Facility ID #:	
Billing Code #:	8520.154
Collected by (signature):	Dan Arm
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 #	
~~DT~~ Date Results Needed	~~DT~~ 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	pH	Selenium			Remarks	Sample # (lab only)
DT ~~1400~~ WH-BG2RC8'	Grab	SS	8'	6/9/2025	1400	1						X					-01
SP-CS02R@2'			2'		1410								X				-02
BG01@6'			6'		1420			X									-03
BG01@8'			8'		1430												-04
BG02@6'			6'		1440												-05
BG02@8'			8'		1450												-06
BG03@6'			6'		1500												-07
BG03@8'			8'		1510												-08
BG04@6'			6'		1520												-09
BG04@8'			8'		1530												-10

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

Pace PEOPLE ADVANCING SCIENCE

L1868492

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 # **K118**

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: X Y __N
Bottles arrive intact: X Y __N
Correct bottles used: X Y __N
Sufficient volume sent: X 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: 6/9/25	Time: 1707	Received by: (Signature) Gale Corvino	Trip Blank Received: Yes (No) HCL / MeoH TBR
Relinquished by : (Signature) Gale Corvino	Date: 6/10/25	Time: 1800	Received by: (Signature) SwA cargo	Temp: 2.2+0.4=2.6°C Bottles Received: 12
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Chris Burdfield	Date: 6/11/25 Time: 8:00

If preservation required by Login: Date/Time

Hold: Condition: NCF / (OK)

PRDCO

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: Edith Ann 33-21

Please Circle: PT MT CT ET

Phone: **610-405-9078**

Lab Project #:

AFE# or C/C: 24175

Collected by (print): DT, SC

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

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)
BG05 @6'	Grab	SS	6'	6/9/25	1540	1		X									-11
BG05 @8'	↓	↓	8'	↓	1550	↓		↓									-12

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

Pace
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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

SDG # L1868498

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)
	6/9/25	1707	Sample courier
Sample courier	6/10/25	1800	Swift Cargo
			Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 2.2 +0.4=2.6 °C Bottles Received: 12

Date: 6/11/25 Time: 8:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

PWSID