ANALYTICAL REPORT

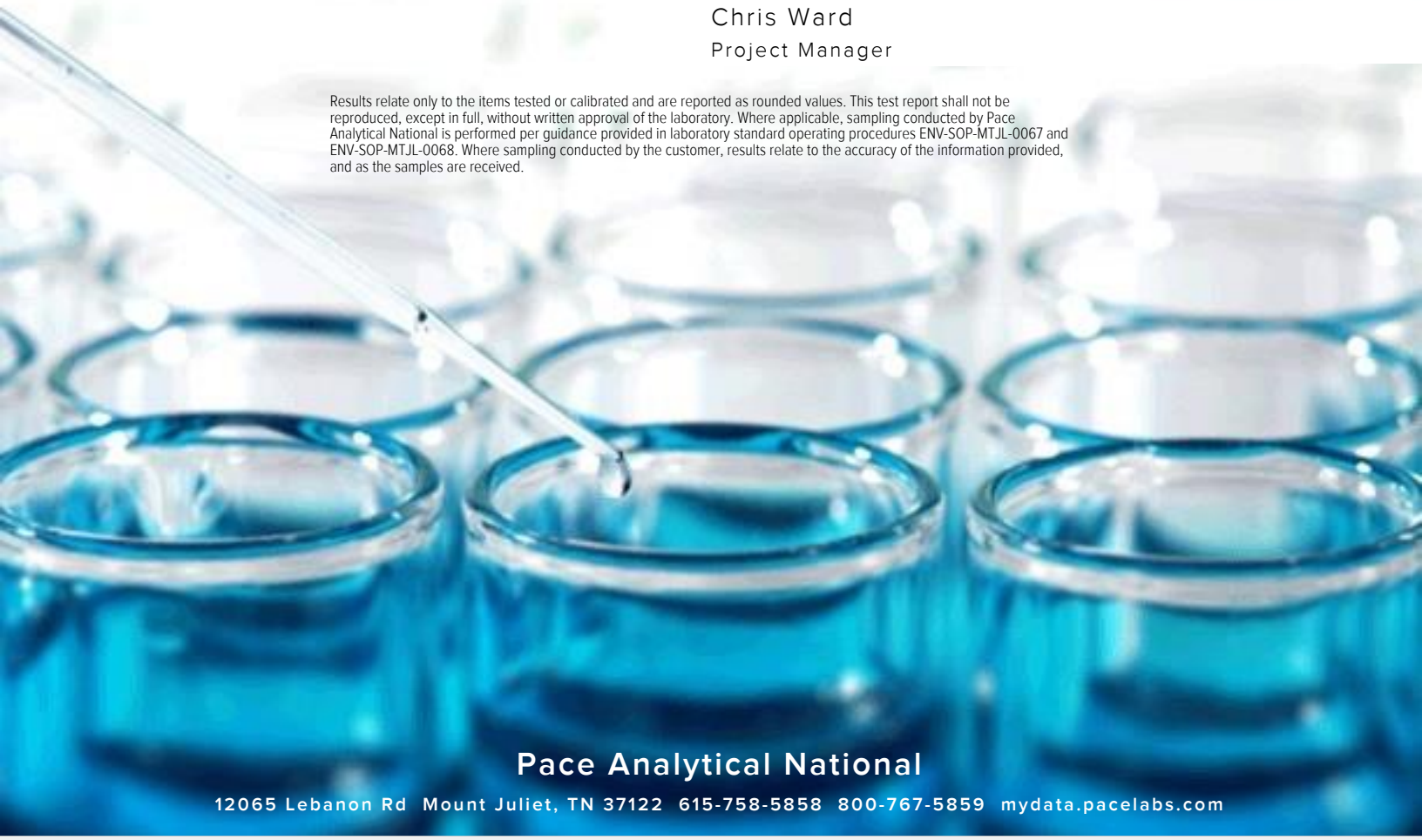
August 18, 2025

Chevron - CO

Sample Delivery Group:	L1881162
Samples Received:	07/23/2025
Project Number:	33271
Description:	Guttersen C 33-32 WH-FL
Site:	425746
Report To:	Scott Williamson 2115 117th Avenue Greeley, CO 80631

Entire Report Reviewed By: Chris Ward

Chris Ward
Project Manager



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

TABLE OF CONTENTS

BKG02@3' L1881162-01

Collected by: Katie Jones | Collected date/time: 07/22/25 11:09 | Received date/time: 07/23/25 11:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2569409	1	07/31/25 04:13	07/31/25 04:13	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2571097	1	08/01/25 10:50	08/05/25 10:29	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2570498	1	07/31/25 15:34	08/01/25 15:43	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2570393	1	07/31/25 14:16	08/01/25 22:00	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2569415	1	07/30/25 13:44	07/30/25 16:39	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2567056	5	07/26/25 08:38	08/13/25 21:01	LD	Mt. Juliet, TN

BKG02@4' L1881162-02

Collected by: Katie Jones | Collected date/time: 07/22/25 11:17 | Received date/time: 07/23/25 11:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2569409	1	07/31/25 04:15	07/31/25 04:15	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2571097	1	08/01/25 10:50	08/05/25 10:47	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2570498	1	07/31/25 15:34	08/01/25 15:43	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2570393	1	07/31/25 14:16	08/01/25 22:00	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2569415	1	07/30/25 13:44	07/30/25 16:42	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2567056	5	07/26/25 08:38	08/13/25 21:12	LD	Mt. Juliet, TN

BKG02@2.5' L1881162-03

Collected by: Katie Jones | Collected date/time: 07/22/25 11:04 | Received date/time: 07/23/25 11:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2569409	1	07/31/25 04:16	07/31/25 04:16	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2571097	1	08/01/25 10:50	08/05/25 10:56	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2570498	1	07/31/25 15:34	08/01/25 15:43	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2570393	1	07/31/25 14:16	08/01/25 22:00	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2569415	1	07/30/25 13:44	07/30/25 16:45	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2567056	5	07/26/25 08:38	08/13/25 21:15	LD	Mt. Juliet, TN

BKG02@0.5' L1881162-04

Collected by: Katie Jones | Collected date/time: 07/22/25 10:53 | Received date/time: 07/23/25 11:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2569409	1	07/31/25 04:18	07/31/25 04:18	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2571097	1	08/01/25 10:50	08/05/25 11:05	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2570498	1	07/31/25 15:34	08/01/25 15:43	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2570393	1	07/31/25 14:16	08/01/25 22:00	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2569415	1	07/30/25 13:44	07/30/25 16:49	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2567056	5	07/26/25 08:38	08/13/25 21:18	LD	Mt. Juliet, TN

BKG02@6' L1881162-05

Collected by: Katie Jones | Collected date/time: 07/22/25 11:32 | Received date/time: 07/23/25 11:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2569409	1	07/31/25 04:20	07/31/25 04:20	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2571097	1	08/01/25 10:50	08/05/25 11:14	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2570498	1	07/31/25 15:34	08/01/25 15:43	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2570393	1	07/31/25 14:16	08/01/25 22:00	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2569415	1	07/30/25 13:44	07/30/25 16:52	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2567056	5	07/26/25 08:38	08/13/25 21:21	LD	Mt. Juliet, TN

BKG02@5' L1881162-06

Collected by: Katie Jones | Collected date/time: 07/22/25 11:25 | Received date/time: 07/23/25 11:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2569409	1	07/31/25 04:22	07/31/25 04:22	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2571097	1	08/01/25 10:50	08/05/25 11:23	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2570498	1	07/31/25 15:34	08/01/25 15:43	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2570393	1	07/31/25 14:16	08/01/25 22:00	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2569415	1	07/30/25 13:44	07/30/25 16:55	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2567056	5	07/26/25 08:38	08/13/25 21:25	LD	Mt. Juliet, TN

BKG03@5' L1881162-07

Collected by: Katie Jones | Collected date/time: 07/22/25 13:47 | Received date/time: 07/23/25 11:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2569409	1	07/31/25 04:24	07/31/25 04:24	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2571097	1	08/01/25 10:50	08/05/25 11:32	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2570498	1	07/31/25 15:34	08/01/25 15:43	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2570393	1	07/31/25 14:16	08/01/25 22:00	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2569415	1	07/30/25 13:44	07/30/25 16:58	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2567056	5	07/26/25 08:38	08/13/25 21:28	LD	Mt. Juliet, TN

BKG03@3' L1881162-08

Collected by: Katie Jones | Collected date/time: 07/22/25 13:29 | Received date/time: 07/23/25 11:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2569409	1	07/31/25 04:29	07/31/25 04:29	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2571097	1	08/01/25 10:50	08/05/25 13:21	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2570498	1	07/31/25 15:34	08/01/25 15:43	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2570393	1	07/31/25 14:16	08/01/25 22:00	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2569415	1	07/30/25 13:44	07/30/25 17:07	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2567046	5	07/28/25 16:33	08/14/25 17:43	LD	Mt. Juliet, TN

BKG03@6' L1881162-09

Collected by: Katie Jones | Collected date/time: 07/22/25 13:53 | Received date/time: 07/23/25 11:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2569409	1	07/31/25 04:31	07/31/25 04:31	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2571097	1	08/01/25 10:50	08/05/25 13:29	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2570498	1	07/31/25 15:34	08/01/25 15:43	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2570393	1	07/31/25 14:16	08/01/25 22:00	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2569415	1	07/30/25 13:44	07/30/25 17:10	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2567056	5	07/26/25 08:38	08/13/25 21:31	LD	Mt. Juliet, TN

BKG03@4' L1881162-10

Collected by: Katie Jones | Collected date/time: 07/22/25 13:37 | Received date/time: 07/23/25 11:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2569409	1	07/31/25 04:33	07/31/25 04:33	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2571097	1	08/01/25 10:50	08/05/25 13:38	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2570498	1	07/31/25 15:34	08/01/25 15:43	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2570393	1	07/31/25 14:16	08/01/25 22:00	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2569415	1	07/30/25 13:44	07/30/25 17:14	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2567056	5	07/26/25 08:38	08/13/25 21:34	LD	Mt. Juliet, TN

SAMPLE SUMMARY

BKG03@2.5' L1881162-11

Collected by: Katie Jones
Collected date/time: 07/22/25 13:23
Received date/time: 07/23/25 11:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2569409	1	07/31/25 04:35	07/31/25 04:35	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2571097	1	08/01/25 10:50	08/05/25 13:47	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2570498	1	07/31/25 15:34	08/01/25 15:43	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2570393	1	07/31/25 14:16	08/01/25 22:00	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2569415	1	07/30/25 13:44	07/30/25 17:26	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2567056	5	07/26/25 08:38	08/13/25 21:37	LD	Mt. Juliet, TN

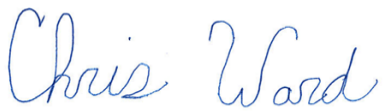
BKG03@0.5' L1881162-12

Collected by: Katie Jones
Collected date/time: 07/22/25 13:18
Received date/time: 07/23/25 11:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2569409	1	07/31/25 04:37	07/31/25 04:37	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2571097	1	08/01/25 10:50	08/05/25 14:05	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2570498	1	07/31/25 15:34	08/01/25 15:43	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2570393	1	07/31/25 14:16	08/01/25 22:00	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2569415	1	07/30/25 13:44	07/30/25 17:29	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2567056	5	07/26/25 08:38	08/13/25 21:41	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.



Chris Ward
Project Manager

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	23.6		1	07/31/2025 04:13	WG2569409

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	08/05/2025 10:29	WG2571097

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.98		1	08/01/2025 15:43	WG2570498

Sample Narrative:

L1881162-01 WG2570498: 8.98 at 21.1C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	2.71	mmhos/cm		0.0100	1	08/01/2025 22:00	WG2570393

Sample Narrative:

L1881162-01 WG2570393: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.108		0.100	1	07/30/2025 16:39	WG2569415

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.17		0.100	5	08/13/2025 21:01	WG2567056
Barium	58.6		10.0	5	08/13/2025 21:01	WG2567056
Cadmium	ND		0.100	5	08/13/2025 21:01	WG2567056
Copper	ND		10.0	5	08/13/2025 21:01	WG2567056
Lead	ND		10.0	5	08/13/2025 21:01	WG2567056
Nickel	ND		10.0	5	08/13/2025 21:01	WG2567056
Selenium	0.390		0.100	5	08/13/2025 21:01	WG2567056
Silver	ND		0.500	5	08/13/2025 21:01	WG2567056
Zinc	ND		50.0	5	08/13/2025 21:01	WG2567056

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	15.1		1	07/31/2025 04:15	WG2569409

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	08/05/2025 10:47	WG2571097

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.63		1	08/01/2025 15:43	WG2570498

Sample Narrative:

L1881162-02 WG2570498: 8.63 at 21.1C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	3.15	mmhos/cm		0.0100	1	08/01/2025 22:00	WG2570393

Sample Narrative:

L1881162-02 WG2570393: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.100	1	07/30/2025 16:42	WG2569415

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.42		0.100	5	08/13/2025 21:12	WG2567056
Barium	72.6		10.0	5	08/13/2025 21:12	WG2567056
Cadmium	ND		0.100	5	08/13/2025 21:12	WG2567056
Copper	ND		10.0	5	08/13/2025 21:12	WG2567056
Lead	ND		10.0	5	08/13/2025 21:12	WG2567056
Nickel	ND		10.0	5	08/13/2025 21:12	WG2567056
Selenium	0.465		0.100	5	08/13/2025 21:12	WG2567056
Silver	ND		0.500	5	08/13/2025 21:12	WG2567056
Zinc	ND		50.0	5	08/13/2025 21:12	WG2567056

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	4.53		1	07/31/2025 04:16	WG2569409

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	08/05/2025 10:56	WG2571097

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.91		1	08/01/2025 15:43	WG2570498

Sample Narrative:

L1881162-03 WG2570498: 8.91 at 21.2C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.990	mmhos/cm		0.0100	1	08/01/2025 22:00	WG2570393

Sample Narrative:

L1881162-03 WG2570393: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.131		0.100	1	07/30/2025 16:45	WG2569415

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.97		0.100	5	08/13/2025 21:15	WG2567056
Barium	65.2		10.0	5	08/13/2025 21:15	WG2567056
Cadmium	0.111		0.100	5	08/13/2025 21:15	WG2567056
Copper	ND		10.0	5	08/13/2025 21:15	WG2567056
Lead	ND		10.0	5	08/13/2025 21:15	WG2567056
Nickel	ND		10.0	5	08/13/2025 21:15	WG2567056
Selenium	0.296		0.100	5	08/13/2025 21:15	WG2567056
Silver	ND		0.500	5	08/13/2025 21:15	WG2567056
Zinc	ND		50.0	5	08/13/2025 21:15	WG2567056

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.369		1	07/31/2025 04:18	WG2569409

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	08/05/2025 11:05	WG2571097

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.54		1	08/01/2025 15:43	WG2570498

Sample Narrative:

L1881162-04 WG2570498: 7.54 at 21C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.341	mmhos/cm		0.0100	1	08/01/2025 22:00	WG2570393

Sample Narrative:

L1881162-04 WG2570393: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.100		0.100	1	07/30/2025 16:49	WG2569415

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.75		0.100	5	08/13/2025 21:18	WG2567056
Barium	38.3		10.0	5	08/13/2025 21:18	WG2567056
Cadmium	0.137		0.100	5	08/13/2025 21:18	WG2567056
Copper	ND		10.0	5	08/13/2025 21:18	WG2567056
Lead	ND		10.0	5	08/13/2025 21:18	WG2567056
Nickel	ND		10.0	5	08/13/2025 21:18	WG2567056
Selenium	0.372		0.100	5	08/13/2025 21:18	WG2567056
Silver	ND		0.500	5	08/13/2025 21:18	WG2567056
Zinc	ND		50.0	5	08/13/2025 21:18	WG2567056

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	4.69		1	07/31/2025 04:20	WG2569409

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	08/05/2025 11:14	WG2571097

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.62		1	08/01/2025 15:43	WG2570498

Sample Narrative:

L1881162-05 WG2570498: 8.62 at 21.8C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.853	mmhos/cm		0.0100	1	08/01/2025 22:00	WG2570393

Sample Narrative:

L1881162-05 WG2570393: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.100	1	07/30/2025 16:52	WG2569415

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	0.743		0.100	5	08/13/2025 21:21	WG2567056
Barium	36.5		10.0	5	08/13/2025 21:21	WG2567056
Cadmium	ND		0.100	5	08/13/2025 21:21	WG2567056
Copper	ND		10.0	5	08/13/2025 21:21	WG2567056
Lead	ND		10.0	5	08/13/2025 21:21	WG2567056
Nickel	ND		10.0	5	08/13/2025 21:21	WG2567056
Selenium	0.224		0.100	5	08/13/2025 21:21	WG2567056
Silver	ND		0.500	5	08/13/2025 21:21	WG2567056
Zinc	ND		50.0	5	08/13/2025 21:21	WG2567056

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	9.65		1	07/31/2025 04:22	WG2569409

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	08/05/2025 11:23	WG2571097

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.41		1	08/01/2025 15:43	WG2570498

Sample Narrative:

L1881162-06 WG2570498: 8.41 at 21.2C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	2.13	mmhos/cm		0.0100	1	08/01/2025 22:00	WG2570393

Sample Narrative:

L1881162-06 WG2570393: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.100	1	07/30/2025 16:55	WG2569415

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.50		0.100	5	08/13/2025 21:25	WG2567056
Barium	75.7		10.0	5	08/13/2025 21:25	WG2567056
Cadmium	ND		0.100	5	08/13/2025 21:25	WG2567056
Copper	ND		10.0	5	08/13/2025 21:25	WG2567056
Lead	ND		10.0	5	08/13/2025 21:25	WG2567056
Nickel	ND		10.0	5	08/13/2025 21:25	WG2567056
Selenium	0.409		0.100	5	08/13/2025 21:25	WG2567056
Silver	ND		0.500	5	08/13/2025 21:25	WG2567056
Zinc	ND		50.0	5	08/13/2025 21:25	WG2567056

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	6.21		1	07/31/2025 04:24	WG2569409

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	08/05/2025 11:32	WG2571097

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.60		1	08/01/2025 15:43	WG2570498

Sample Narrative:

L1881162-07 WG2570498: 8.6 at 21.1C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.884	mmhos/cm		0.0100	1	08/01/2025 22:00	WG2570393

Sample Narrative:

L1881162-07 WG2570393: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.100	1	07/30/2025 16:58	WG2569415

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.29		0.100	5	08/13/2025 21:28	WG2567056
Barium	35.1		10.0	5	08/13/2025 21:28	WG2567056
Cadmium	ND		0.100	5	08/13/2025 21:28	WG2567056
Copper	ND		10.0	5	08/13/2025 21:28	WG2567056
Lead	ND		10.0	5	08/13/2025 21:28	WG2567056
Nickel	ND		10.0	5	08/13/2025 21:28	WG2567056
Selenium	0.287		0.100	5	08/13/2025 21:28	WG2567056
Silver	ND		0.500	5	08/13/2025 21:28	WG2567056
Zinc	ND		50.0	5	08/13/2025 21:28	WG2567056

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	17.2		1	07/31/2025 04:29	WG2569409

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	08/05/2025 13:21	WG2571097

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.48		1	08/01/2025 15:43	WG2570498

Sample Narrative:

L1881162-08 WG2570498: 8.48 at 20.2C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	4.86	mmhos/cm		0.0100	1	08/01/2025 22:00	WG2570393

Sample Narrative:

L1881162-08 WG2570393: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.100	1	07/30/2025 17:07	WG2569415

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.92		0.100	5	08/14/2025 17:43	WG2567046
Barium	67.1		10.0	5	08/14/2025 17:43	WG2567046
Cadmium	ND		0.100	5	08/14/2025 17:43	WG2567046
Copper	ND		10.0	5	08/14/2025 17:43	WG2567046
Lead	ND		10.0	5	08/14/2025 17:43	WG2567046
Nickel	ND		10.0	5	08/14/2025 17:43	WG2567046
Selenium	0.359		0.100	5	08/14/2025 17:43	WG2567046
Silver	ND		0.500	5	08/14/2025 17:43	WG2567046
Zinc	ND		50.0	5	08/14/2025 17:43	WG2567046

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	5.40		1	07/31/2025 04:31	WG2569409

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	08/05/2025 13:29	WG2571097

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.45		1	08/01/2025 15:43	WG2570498

Sample Narrative:

L1881162-09 WG2570498: 8.45 at 20.1C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1.34	mmhos/cm		0.0100	1	08/01/2025 22:00	WG2570393

Sample Narrative:

L1881162-09 WG2570393: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.100	1	07/30/2025 17:10	WG2569415

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	0.754		0.100	5	08/13/2025 21:31	WG2567056
Barium	38.0		10.0	5	08/13/2025 21:31	WG2567056
Cadmium	ND		0.100	5	08/13/2025 21:31	WG2567056
Copper	ND		10.0	5	08/13/2025 21:31	WG2567056
Lead	ND		10.0	5	08/13/2025 21:31	WG2567056
Nickel	ND		10.0	5	08/13/2025 21:31	WG2567056
Selenium	0.215		0.100	5	08/13/2025 21:31	WG2567056
Silver	ND		0.500	5	08/13/2025 21:31	WG2567056
Zinc	ND		50.0	5	08/13/2025 21:31	WG2567056

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	21.3		1	07/31/2025 04:33	WG2569409

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	08/05/2025 13:38	WG2571097

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.70		1	08/01/2025 15:43	WG2570498

Sample Narrative:

L1881162-10 WG2570498: 8.7 at 20.2C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	3.97	mmhos/cm		0.0100	1	08/01/2025 22:00	WG2570393

Sample Narrative:

L1881162-10 WG2570393: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.105		0.100	1	07/30/2025 17:14	WG2569415

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.65		0.100	5	08/13/2025 21:34	WG2567056
Barium	114		10.0	5	08/13/2025 21:34	WG2567056
Cadmium	0.103		0.100	5	08/13/2025 21:34	WG2567056
Copper	ND		10.0	5	08/13/2025 21:34	WG2567056
Lead	ND		10.0	5	08/13/2025 21:34	WG2567056
Nickel	ND		10.0	5	08/13/2025 21:34	WG2567056
Selenium	0.405		0.100	5	08/13/2025 21:34	WG2567056
Silver	ND		0.500	5	08/13/2025 21:34	WG2567056
Zinc	ND		50.0	5	08/13/2025 21:34	WG2567056

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	22.5		1	07/31/2025 04:35	WG2569409

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	08/05/2025 13:47	WG2571097

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.69		1	08/01/2025 15:43	WG2570498

Sample Narrative:

L1881162-11 WG2570498: 8.69 at 20.8C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	4.88	mmhos/cm		0.0100	1	08/01/2025 22:00	WG2570393

Sample Narrative:

L1881162-11 WG2570393: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.241		0.100	1	07/30/2025 17:26	WG2569415

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.89		0.100	5	08/13/2025 21:37	WG2567056
Barium	44.1		10.0	5	08/13/2025 21:37	WG2567056
Cadmium	ND		0.100	5	08/13/2025 21:37	WG2567056
Copper	ND		10.0	5	08/13/2025 21:37	WG2567056
Lead	ND		10.0	5	08/13/2025 21:37	WG2567056
Nickel	ND		10.0	5	08/13/2025 21:37	WG2567056
Selenium	0.348		0.100	5	08/13/2025 21:37	WG2567056
Silver	ND		0.500	5	08/13/2025 21:37	WG2567056
Zinc	ND		50.0	5	08/13/2025 21:37	WG2567056

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.551		1	07/31/2025 04:37	WG2569409

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	08/05/2025 14:05	WG2571097

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.79		1	08/01/2025 15:43	WG2570498

Sample Narrative:

L1881162-12 WG2570498: 7.79 at 20.2C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.363	mmhos/cm		0.0100	1	08/01/2025 22:00	WG2570393

Sample Narrative:

L1881162-12 WG2570393: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.129		0.100	1	07/30/2025 17:29	WG2569415

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.66		0.100	5	08/13/2025 21:41	WG2567056
Barium	34.0		10.0	5	08/13/2025 21:41	WG2567056
Cadmium	ND		0.100	5	08/13/2025 21:41	WG2567056
Copper	ND		10.0	5	08/13/2025 21:41	WG2567056
Lead	ND		10.0	5	08/13/2025 21:41	WG2567056
Nickel	ND		10.0	5	08/13/2025 21:41	WG2567056
Selenium	0.314		0.100	5	08/13/2025 21:41	WG2567056
Silver	ND		0.500	5	08/13/2025 21:41	WG2567056
Zinc	ND		50.0	5	08/13/2025 21:41	WG2567056

Method Blank (MB)

(MB) R4255608-1 08/05/25 10:12

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

L1881162-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1881162-01 08/05/25 10:29 • (DUP) R4255608-3 08/05/25 10:38

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

L1881162-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1881162-11 08/05/25 13:47 • (DUP) R4255608-4 08/05/25 13:56

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) R4255608-2 08/05/25 10:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	10.0	9.75	97.5	80.0-120	

L1881188-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1881188-08 08/05/25 16:33 • (MS) R4255608-5 08/05/25 16:41 • (MSD) R4255608-6 08/05/25 16:50

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	16.9	15.5	84.3	77.5	1	75.0-125			8.43	20

L1881188-08 Original Sample (OS) • Matrix Spike (MS)

(OS) L1881188-08 08/05/25 16:33 • (MS) R4255608-7 08/05/25 17:17

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	656	ND	675	103	50	75.0-125	

L1881157-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1881157-01 08/01/25 15:43 • (DUP) R4252996-2 08/01/25 15:43

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.36	8.39	1	0.358		1

Sample Narrative:

OS: 8.36 at 21.7C

DUP: 8.39 at 21.1C

L1881237-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1881237-09 08/01/25 15:43 • (DUP) R4252996-3 08/01/25 15:43

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.54	8.54	1	0.000		1

Sample Narrative:

OS: 8.54 at 20.1C

DUP: 8.54 at 20.4C

Laboratory Control Sample (LCS)

(LCS) R4252996-1 08/01/25 15:43

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

Sample Narrative:

LCS: 9.97 at 20.7C

Method Blank (MB)

(MB) R4253043-1 08/01/25 22:00

Analyte	MB Result mmhos/cm	MB Qualifier	MB MDL mmhos/cm	MB RDL mmhos/cm
Specific Conductance	U		0.0100	0.0100

Sample Narrative:
BLANK: at 25C

L1881157-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1881157-02 08/01/25 22:00 • (DUP) R4253043-3 08/01/25 22:00

Analyte	Original Result mmhos/cm	DUP Result mmhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	0.641	0.640	1	0.156		20

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

L1881176-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1881176-05 08/01/25 22:00 • (DUP) R4253043-4 08/01/25 22:00

Analyte	Original Result mmhos/cm	DUP Result mmhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	2.21	2.22	1	0.361		20

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

Laboratory Control Sample (LCS)

(LCS) R4253043-2 08/01/25 22:00

Analyte	Spike Amount mmhos/cm	LCS Result mmhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	0.581	0.559	96.2	90.0-110	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4251827-1 07/30/25 16:30

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

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

(LCS) R4251827-2 07/30/25 16:33 • (LCSD) R4251827-3 07/30/25 16:36

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	0.985	0.985	98.5	98.5	80.0-120			0.0460	20

Method Blank (MB)

(MB) R4258765-1 08/14/25 17:00

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

Laboratory Control Sample (LCS)

(LCS) R4258765-2 08/14/25 17:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	102	102	80.0-120	
Barium	100	99.1	99.1	80.0-120	
Cadmium	100	102	102	80.0-120	
Copper	100	100	100	80.0-120	
Lead	100	99.1	99.1	80.0-120	
Nickel	100	104	104	80.0-120	
Selenium	100	99.7	99.7	80.0-120	
Silver	20.0	20.8	104	80.0-120	
Zinc	100	100	100	80.0-120	

L1881188-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1881188-06 08/14/25 17:07 • (MS) R4258765-5 08/14/25 17:16 • (MSD) R4258765-6 08/14/25 17:19

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	6.41	99.2	101	92.8	94.9	5	75.0-125			2.05	20
Barium	100	109	180	205	70.9	95.9	5	75.0-125	J6		13.0	20
Cadmium	100	0.233	97.4	97.8	97.1	97.5	5	75.0-125			0.412	20
Copper	100	10.6	101	102	90.2	91.7	5	75.0-125			1.43	20
Lead	100	10.5	100	101	89.8	90.1	5	75.0-125			0.239	20
Nickel	100	10.0	103	104	93.1	94.2	5	75.0-125			1.06	20
Selenium	100	0.703	96.8	98.4	96.1	97.7	5	75.0-125			1.71	20
Silver	20.0	ND	20.0	20.2	100	101	5	75.0-125			0.810	20
Zinc	100	ND	128	129	128	129	5	75.0-125	J5	J5	0.669	20

L1881188-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1881188-08 08/14/25 17:30 • (MS) R4258765-8 08/14/25 17:37 • (MSD) R4258765-9 08/14/25 17:40

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	5.25	107	104	101	99.1	5	75.0-125			2.25	20
Barium	100	89.6	201	204	111	115	5	75.0-125			1.65	20
Cadmium	100	0.140	102	101	102	100	5	75.0-125			1.39	20
Copper	100	ND	104	104	104	104	5	75.0-125			0.123	20
Lead	100	ND	105	102	105	102	5	75.0-125			2.41	20
Nickel	100	ND	110	107	110	107	5	75.0-125			2.36	20
Selenium	100	0.543	104	102	104	101	5	75.0-125			2.16	20
Silver	20.0	ND	20.9	21.0	105	105	5	75.0-125			0.359	20
Zinc	100	ND	129	129	129	129	5	75.0-125	J5	J5	0.636	20

Method Blank (MB)

(MB) R4258265-1 08/13/25 20:39

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

Laboratory Control Sample (LCS)

(LCS) R4258265-2 08/13/25 20:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	90.1	90.1	80.0-120	
Barium	100	86.5	86.5	80.0-120	
Cadmium	100	95.8	95.8	80.0-120	
Copper	100	92.4	92.4	80.0-120	
Lead	100	90.3	90.3	80.0-120	
Nickel	100	93.7	93.7	80.0-120	
Selenium	100	92.7	92.7	80.0-120	
Silver	20.0	19.5	97.6	80.0-120	
Zinc	100	92.9	92.9	80.0-120	

L1881204-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1881204-13 08/13/25 20:45 • (MS) R4258265-5 08/13/25 20:55 • (MSD) R4258265-6 08/13/25 20:58

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	3.50	108	109	105	105	5	75.0-125			0.744	20
Barium	100	26.1	136	143	110	117	5	75.0-125			4.92	20
Cadmium	100	ND	110	114	110	114	5	75.0-125			3.38	20
Copper	100	ND	109	113	109	113	5	75.0-125			3.26	20
Lead	100	ND	109	111	109	111	5	75.0-125			1.73	20
Nickel	100	ND	115	118	115	118	5	75.0-125			2.61	20
Selenium	100	0.532	108	111	108	111	5	75.0-125			2.83	20
Silver	20.0	ND	22.8	23.3	114	117	5	75.0-125			2.15	20
Zinc	100	ND	140	142	140	142	5	75.0-125	J5	J5	1.47	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.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
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
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

Company Name/Address:
Chevron - CO

2115 117th Avenue
Greeley, CO 80631

Billing Information:
Dan Peterson
2115 117th Avenue
Greeley, CO 80634

Pres Chk

Report to:
Scott Williamson 970-304-5000

Email To: **jessica.carr@pacelabs.com**

Project Description: Guttersen C 33-32 wlt-FL

City/State Collected: LaSalle, CO

Please Circle: PT (MT) CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project # 33271

Lab Project # **CHEGCO-MONTROSE**

Collected by (print): Katie Jones

Site/Facility ID # 425746

P.O. # **2024.015804**

Collected by (signature): Katie Jones

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

Pace
PEOPLE ADVANCING SCIENCE

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

LR811162
1028

Acctnum: **CHEGCO**
Template:**T270927**
Prelogin: **P1158620**
PM: **824 - Chris Ward**
PB:
Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BG Table 915-1 4ozClr-NoPres	Full Table 915-1 4ozClr-NoPres	Remarks	Sample # (lab only)
BKG02@3'	Grab	SS	3'	7/22/25	1109	2	X			-01
BKG02@4'	Grab	SS	4'	7/22/25	1117	2	X			-02
BKG02@2.5'	Grab	SS	2.5'	7/22/25	1104	2	X			-03
BKG02@0.5'	Grab	SS	0.5'	7/22/25	1053	2	X			-04
BKG02@6'	Grab	SS	6'	7/22/25	1132	2	X			-05
BKG02@5'	Grab	SS	5'	7/22/25	1125	2	X			-06
BKG03@5'	Grab	SS	5'	7/22/25	1347	2	X			-07
BKG03@3'	Grab	SS	3'	7/22/25	1329	2	X			-08
BKG03@6'	Grab	SS	6'	7/22/25	1353	2	X			-09
BKG03@4'	Grab	SS	4'	7/22/25	1337	2	X			-10

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # [redacted]

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:	Time:	Received by: (Signature)	Trip Blank Received: Yes (No) HCL / MeoH TBR
Katie Jones	7/22/25	1517	[redacted]	TLH9
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
[redacted]	7/22/25	1800	[redacted]	3.2-0.1=3.1 24
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
[redacted]			VC	7-23-25 1100

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

Company Name/Address:
Chevron - CO

2115 117th Avenue
Greeley, CO 80631

Billing Information:
Dan Peterson
2115 117th Avenue
Greeley, CO 80634

Pres Chk

Report to:
Scott Williamson 970-304-5000

Email To: **jessica.carr@pacelabs.com**

Project Description: Guttersen C 33-32 WH-PL

City/State Collected: La Salle, CO

Please Circle: PT MT CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project # 33271

Lab Project # **CHEGCO-MONTROSE**

Collected by (print): Katie Jones

Site/Facility ID # 425746

P.O. # **2024.015804**

Collected by (signature): Katie Jones

Immediately Packed on Ice N ___ Y ✓

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

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BG Table 915-1 4ozClr-NoPres	Full Table 915-1 4ozClr-NoPres	Remarks	Sample # (lab only)
BKG03@2.5'	Grab	SS	2.5'	7/22/25	1323	2	X			-11
BKG03@0.5'	Grab	SS	0.5'	7/22/25	1318	2	X			-17

Chain of Custody Page 2 of 2

Pace
PEOPLE ADVANCING SCIENCE

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

SDG # L1611162

Table #

Acctnum: **CHEGCO**

Template: **T270927**

Prelogin: **P1158620**

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 _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Katie Jones	7/22/25	1517	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	07/22/25	1800	SWX
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			VC

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 3.2-0.1=3.1 °C Bottles Received: 24

Date: 7-23-25 Time: 1100

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

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