

Chevron - CO

Sample Delivery Group: L1859433
Samples Received: 05/15/2025
Project Number:
Description: Hanscome C21-79 HN

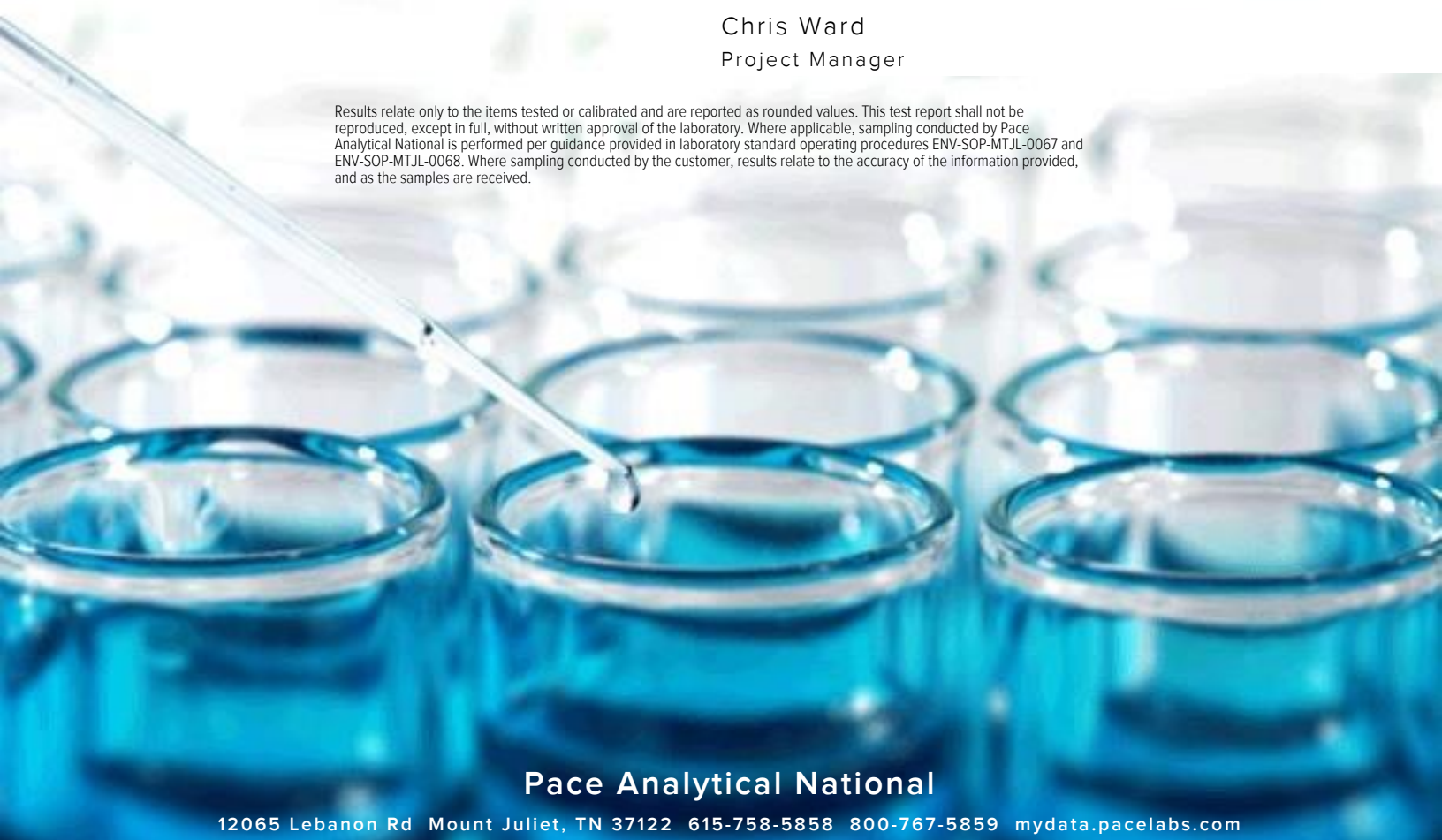
Report To: CDH Team
2115 117th Avenue
Greeley, CO 80631

Entire Report Reviewed By:



Chris Ward
Project Manager










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Pace Analytical National

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SAMPLE SUMMARY

BKG01@3' L1859433-01

Collected by: Simon Hertzler
 Collected date/time: 05/14/25 11:37
 Received date/time: 05/15/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2520347	1	05/23/25 10:28	05/23/25 10:28	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2517095	1	05/23/25 10:53	05/27/25 09:55	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2522406	1	05/23/25 17:27	05/24/25 05:40	KA	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2522537	1	05/23/25 23:24	05/27/25 16:11	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2520417	1	05/21/25 19:40	05/22/25 17:06	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2517352	5	05/21/25 17:37	05/24/25 01:18	UNP	Mt. Juliet, TN



BKG02@3' L1859433-02

Collected by: Simon Hertzler
 Collected date/time: 05/14/25 11:29
 Received date/time: 05/15/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2520357	1	05/23/25 13:18	05/23/25 13:18	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2517095	1	05/23/25 10:53	05/27/25 10:05	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2522409	1	05/23/25 17:31	05/23/25 22:30	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2522536	1	05/23/25 23:21	05/26/25 11:08	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2520388	1	05/21/25 19:23	05/22/25 13:07	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2517371	5	05/20/25 16:18	05/21/25 16:34	JDB	Mt. Juliet, TN

BKG03@3' L1859433-03

Collected by: Simon Hertzler
 Collected date/time: 05/14/25 11:41
 Received date/time: 05/15/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2520347	1	05/23/25 10:31	05/23/25 10:31	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2517095	1	05/23/25 10:53	05/27/25 10:15	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2522406	1	05/23/25 17:27	05/24/25 05:40	KA	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2522537	1	05/23/25 23:24	05/27/25 16:11	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2520417	5	05/21/25 19:40	05/22/25 17:09	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2517371	5	05/20/25 16:18	05/21/25 16:37	JDB	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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	10.6		1	05/23/2025 10:28	WG2520347

1 Cp

2 Tc

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/27/2025 09:55	WG2517095

3 Ss

4 Cn

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.73		1	05/24/2025 05:40	WG2522406

5 Sr

6 Qc

Sample Narrative:

L1859433-01 WG2522406: 8.73 at 20.7C

7 Gl

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	3.25	mmhos/cm		0.0100	1	05/27/2025 16:11	WG2522537

8 Al

9 Sc

Sample Narrative:

L1859433-01 WG2522537: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.525		0.200	1	05/22/2025 17:06	WG2520417

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.57		0.100	5	05/24/2025 01:18	WG2517352
Barium	194		10.0	5	05/24/2025 01:18	WG2517352
Cadmium	0.359		0.100	5	05/24/2025 01:18	WG2517352
Copper	23.5		10.0	5	05/24/2025 01:18	WG2517352
Lead	14.4		10.0	5	05/24/2025 01:18	WG2517352
Nickel	18.2		10.0	5	05/24/2025 01:18	WG2517352
Selenium	0.720		0.100	5	05/24/2025 01:18	WG2517352
Silver	ND		0.500	5	05/24/2025 01:18	WG2517352
Zinc	68.8		50.0	5	05/24/2025 01:18	WG2517352

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	11.3		1	05/23/2025 13:18	WG2520357

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/27/2025 10:05	WG2517095

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.47		1	05/23/2025 22:30	WG2522409

Sample Narrative:

L1859433-02 WG2522409: 8.47 at 19.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	6.16	mmhos/cm		0.0100	1	05/26/2025 11:08	WG2522536

Sample Narrative:

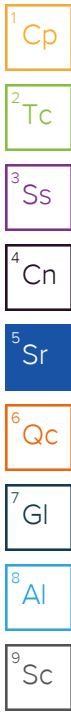
L1859433-02 WG2522536: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.517		0.200	1	05/22/2025 13:07	WG2520388

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.12		0.100	5	05/21/2025 16:34	WG2517371
Barium	428		10.0	5	05/21/2025 16:34	WG2517371
Cadmium	1.00		0.100	5	05/21/2025 16:34	WG2517371
Copper	14.0		10.0	5	05/21/2025 16:34	WG2517371
Lead	10.6		10.0	5	05/21/2025 16:34	WG2517371
Nickel	18.0		10.0	5	05/21/2025 16:34	WG2517371
Selenium	0.488		0.100	5	05/21/2025 16:34	WG2517371
Silver	ND		0.500	5	05/21/2025 16:34	WG2517371
Zinc	52.6		50.0	5	05/21/2025 16:34	WG2517371



Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	6.72		1	05/23/2025 10:31	WG2520347

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/27/2025 10:15	WG2517095

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.40		1	05/24/2025 05:40	WG2522406

Sample Narrative:

L1859433-03 WG2522406: 8.4 at 21C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	2.10	mmhos/cm		0.0100	1	05/27/2025 16:11	WG2522537

Sample Narrative:

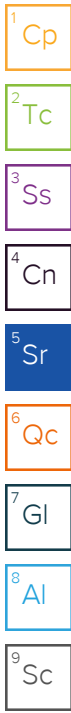
L1859433-03 WG2522537: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		1.00	5	05/22/2025 17:09	WG2520417

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.33		0.100	5	05/21/2025 16:37	WG2517371
Barium	138		10.0	5	05/21/2025 16:37	WG2517371
Cadmium	0.183		0.100	5	05/21/2025 16:37	WG2517371
Copper	15.2		10.0	5	05/21/2025 16:37	WG2517371
Lead	ND		10.0	5	05/21/2025 16:37	WG2517371
Nickel	12.2		10.0	5	05/21/2025 16:37	WG2517371
Selenium	0.386		0.100	5	05/21/2025 16:37	WG2517371
Silver	ND		0.500	5	05/21/2025 16:37	WG2517371
Zinc	ND		50.0	5	05/21/2025 16:37	WG2517371



Method Blank (MB)

(MB) R4221149-1 05/27/25 05:25

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Hexavalent Chromium	U		0.300	0.300

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L1859279-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1859279-07 05/27/25 06:42 • (DUP) R4221149-3 05/27/25 06:52

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

L1859433-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1859433-03 05/27/25 10:15 • (DUP) R4221149-8 05/27/25 10:24

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4221149-2 05/27/25 05:35

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	10.0	9.80	98.0	80.0-120	

L1859279-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1859279-13 05/27/25 08:09 • (MS) R4221149-5 05/27/25 08:29 • (MSD) R4221149-6 05/27/25 08:38

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Hexavalent Chromium	20.0	ND	16.9	13.7	84.6	68.7	1	75.0-125		J3 J6	20.7	20

L1859279-13 Original Sample (OS) • Matrix Spike (MS)

(OS) L1859279-13 05/27/25 08:09 • (MS) R4221149-7 05/27/25 08:48

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Hexavalent Chromium	654	ND	615	94.1	50	75.0-125	

L1859275-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1859275-05 05/24/25 05:40 • (DUP) R4220001-2 05/24/25 05:40

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
su	su			%		%
pH	7.92	7.91	1	0.126		1

Sample Narrative:

OS: 7.92 at 21C
DUP: 7.91 at 20.8C

L1859859-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1859859-05 05/24/25 05:40 • (DUP) R4220001-3 05/24/25 05:40

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
su	su			%		%
pH	8.66	8.67	1	0.115		1

Sample Narrative:

OS: 8.66 at 20.8C
DUP: 8.67 at 20.5C

Laboratory Control Sample (LCS)

(LCS) R4220001-1 05/24/25 05:40

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
su	su		%	%	
pH	10.0	10.0	100	99.0-101	

Sample Narrative:

LCS: 10.02 at 20.5C

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1859275-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1859275-12 05/23/25 22:30 • (DUP) R4219918-2 05/23/25 22:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.26	8.29	1	0.363		1

Sample Narrative:

OS: 8.26 at 20.4C
DUP: 8.29 at 20.7C

L1859864-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1859864-08 05/23/25 22:30 • (DUP) R4219918-3 05/23/25 22:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.38	8.37	1	0.119		1

Sample Narrative:

OS: 8.38 at 19.7C
DUP: 8.37 at 20C

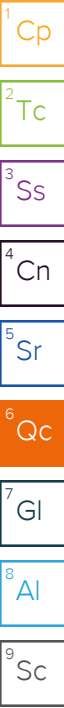
Laboratory Control Sample (LCS)

(LCS) R4219918-1 05/23/25 22:30

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	10.0	100	99.0-101	

Sample Narrative:

LCS: 10 at 19.9C



Method Blank (MB)

(MB) R4220742-1 05/26/25 11:08

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Specific Conductance	U		0.0100	0.0100

Sample Narrative:

BLANK: at 25C

L1859275-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1859275-12 05/26/25 11:08 • (DUP) R4220742-3 05/26/25 11:08

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	2.25	2.19	1	2.79		20

Sample Narrative:

OS: at 25C
DUP: at 25C

L1859864-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1859864-04 05/26/25 11:08 • (DUP) R4220742-4 05/26/25 11:08

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	ND	2.17	1	0.230		20

Sample Narrative:

OS: at 25C
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4220742-2 05/26/25 11:08

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Specific Conductance	0.581	0.596	103	90.0-110	

Sample Narrative:

LCS: at 25C

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4221338-1 05/27/25 16:11

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Specific Conductance	U		0.0100	0.0100

Sample Narrative:

BLANK: at 25C

L1859275-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1859275-05 05/27/25 16:11 • (DUP) R4221338-3 05/27/25 16:11

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	1.70	1.71	1	0.293		20

Sample Narrative:

OS: at 25C
DUP: at 25C

L1859859-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1859859-05 05/27/25 16:11 • (DUP) R4221338-4 05/27/25 16:11

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	0.156	0.156	1	0.0642		20

Sample Narrative:

OS: at 25C
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4221338-2 05/27/25 16:11

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Specific Conductance	0.581	0.580	99.8	90.0-110	

Sample Narrative:

LCS: at 25C



Method Blank (MB)

(MB) R4218994-1 05/22/25 12:39

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

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

(LCS) R4218994-2 05/22/25 12:41 • (LCSD) R4218994-3 05/22/25 12:43

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	0.975	0.993	97.5	99.3	80.0-120			1.89	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4219418-1 05/22/25 16:17

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

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

(LCS) R4219418-2 05/22/25 16:19 • (LCSD) R4219418-3 05/22/25 16:22

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hot Water Sol. Boron	1.00	1.07	1.01	107	101	80.0-120			5.89	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4219929-1 05/23/25 23:49

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

Laboratory Control Sample (LCS)

(LCS) R4219929-2 05/23/25 23:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	97.4	97.4	80.0-120	
Barium	100	95.2	95.2	80.0-120	
Cadmium	100	101	101	80.0-120	
Copper	100	102	102	80.0-120	
Lead	100	96.8	96.8	80.0-120	
Nickel	100	100	100	80.0-120	
Selenium	100	97.6	97.6	80.0-120	
Silver	20.0	20.2	101	80.0-120	
Zinc	100	97.1	97.1	80.0-120	

⁷Gl

⁸Al

⁹Sc

L1859390-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1859390-11 05/23/25 23:55 • (MS) R4219929-5 05/24/25 00:04 • (MSD) R4219929-6 05/24/25 00:07

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	3.91	103	111	98.6	107	5	75.0-125			8.14	20
Barium	100	72.4	164	173	91.7	100	5	75.0-125			5.12	20
Cadmium	100	0.109	101	110	101	110	5	75.0-125			8.11	20
Copper	100	ND	110	116	101	107	5	75.0-125			5.27	20
Lead	100	ND	103	112	96.3	105	5	75.0-125			7.72	20
Nickel	100	11.0	111	118	99.5	107	5	75.0-125			6.58	20
Selenium	100	0.371	98.2	105	97.8	105	5	75.0-125			6.76	20
Silver	20.0	ND	20.4	21.8	102	109	5	75.0-125			6.71	20
Zinc	100	ND	132	135	95.8	98.9	5	75.0-125	<u>J5</u>	<u>J5</u>	2.35	20

Method Blank (MB)

(MB) R4218347-1 05/21/25 14:48

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

Laboratory Control Sample (LCS)

(LCS) R4218347-2 05/21/25 14:51

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	91.1	91.1	80.0-120	
Barium	100	85.8	85.8	80.0-120	
Cadmium	100	91.4	91.4	80.0-120	
Copper	100	89.0	89.0	80.0-120	
Lead	100	86.0	86.0	80.0-120	
Nickel	100	94.6	94.6	80.0-120	
Selenium	100	92.9	92.9	80.0-120	
Silver	20.0	18.3	91.4	80.0-120	
Zinc	100	89.0	89.0	80.0-120	

⁷Gl

⁸Al

⁹Sc

L1859279-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1859279-10 05/21/25 15:02 • (MS) R4218347-5 05/21/25 15:11 • (MSD) R4218347-6 05/21/25 15:15

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	2.76	101	94.2	98.0	91.4	5	75.0-125			6.79	20
Barium	100	58.8	145	162	85.8	103	5	75.0-125			11.1	20
Cadmium	100	0.119	96.4	89.8	96.2	89.7	5	75.0-125			7.01	20
Copper	100	ND	105	96.6	105	96.6	5	75.0-125			8.71	20
Lead	100	ND	98.6	91.1	98.6	91.1	5	75.0-125			7.96	20
Nickel	100	ND	108	100	108	100	5	75.0-125			7.47	20
Selenium	100	0.271	97.5	91.6	97.3	91.3	5	75.0-125			6.29	20
Silver	20.0	ND	19.1	18.3	95.3	91.3	5	75.0-125			4.33	20
Zinc	100	ND	123	113	123	113	5	75.0-125			8.01	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.

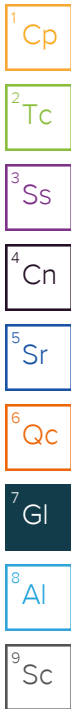
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. 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.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

J3	The associated batch QC was outside the established quality control range for precision.
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

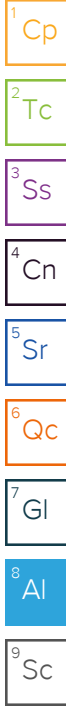
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122


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 80631		Analysis / Container / Preservative								Chain of Custody Page <u>1</u> of <u>1</u>																																					
Report to: CDH Team 970-304-5000		Email To: danpeterson@chevron.com; CVX-PM@cdhconsult.com; jason.davidson@chevron.		<table border="1"> <tr> <td>Pres Chk</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Full TABLE915 4ozClr-NoPres</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>TABLE915BG 4ozClr-NoPres</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>								Pres Chk												Full TABLE915 4ozClr-NoPres												TABLE915BG 4ozClr-NoPres												 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	
Pres Chk																																																	
Full TABLE915 4ozClr-NoPres																																																	
TABLE915BG 4ozClr-NoPres																																																	

Project Description: <i>Hanscome C21-79 HN</i>		City/State Collected:		Please Circle: PT MT CT ET	
Regulatory Program(DOD, RCRA, DW, etc):		Client Project #		Lab Project # CHEGCO-CDH	
Collected by (print): <i>Simon Hertzler Gascho</i>		Site/Facility ID #		P.O. #	
Collected by (signature): <i>Simon Hertzler Gascho</i>		Rush? (Lab MUST Be Notified) <input type="checkbox"/> Same Day <input type="checkbox"/> Five Day <input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only) <input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only) <input checked="" type="checkbox"/> Three Day <input checked="" type="checkbox"/> STD TAT		Quote #	
Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>				Date Results Needed	
				No. of Cntrs	

SDG # *11859433*
B024

Acctnum: **CHEGCO**
Template: **T270844**
Prelogin: **P1140482**
PM: **824 - Chris Ward**
PB:

Shipped Via: **FedEX Ground**

Remarks	Sample # (lab only)
	<i>- 01</i>
	<i>- 02</i>
	<i>- 03</i>

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Full TABLE915 4ozClr-NoPres	TABLE915BG 4ozClr-NoPres									
<i>BKG01@3'</i>	<i>Grab</i>	<i>SS</i>	<i>3'</i>	<i>5/14/25</i>	<i>1137</i>	<i>2</i>		<i>X</i>									
<i>BKG02@3'</i>	<i>↓</i>	<i>SS</i>	<i>↓</i>	<i>↓</i>	<i>1129</i>	<i>2</i>		<i>X</i>									
<i>BKG03@3'</i>	<i>↓</i>	<i>SS</i>	<i>↓</i>	<i>↓</i>	<i>1141</i>	<i>2</i>		<i>X</i>									

* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other _____		Remarks:		pH _____ Temp _____ Flow _____ Other _____		Sample Receipt Checklist COC Seal Present/Intact: <input type="checkbox"/> NP <input checked="" type="checkbox"/> N COC Signed/Accurate: <input checked="" type="checkbox"/> N Bottles arrive intact: <input checked="" type="checkbox"/> N Correct bottles used: <input checked="" type="checkbox"/> N Sufficient volume sent: <input checked="" type="checkbox"/> N If Applicable VOA Zero Headspace: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N Preservation Correct/Checked: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N RAD Screen <0.5 mR/hr: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier _____		Tracking #					
Relinquished by: (Signature) <i>Simon Hertzler Gascho</i>		Date: <i>5/14/25</i>	Time: <i>16:37</i>	Received by: (Signature) <i>Shirley</i>		Trip Blank Received: Yes/No HCL/MeOH TBR	
Relinquished by: (Signature) <i>Shirley</i>		Date: <i>5-14-25</i>	Time: <i>18:00</i>	Received by: (Signature) <i>SWA</i>		Temp: <i>71.9°C</i> Bottles Received: <i>205 + 4 = 209 L</i>	
Relinquished by: (Signature) <i>Alysa Mitchell</i>		Date:	Time:	Received for lab by: (Signature)		Date: <i>5/15/25</i>	Time: <i>1230</i>
						Hold:	Condition: NCF / <i>OK</i>