ANALYTICAL REPORT

August 04, 2025

Pace Analytical Services, LLC
2025.08.04 10:55:29 -05'00'
Document is certified

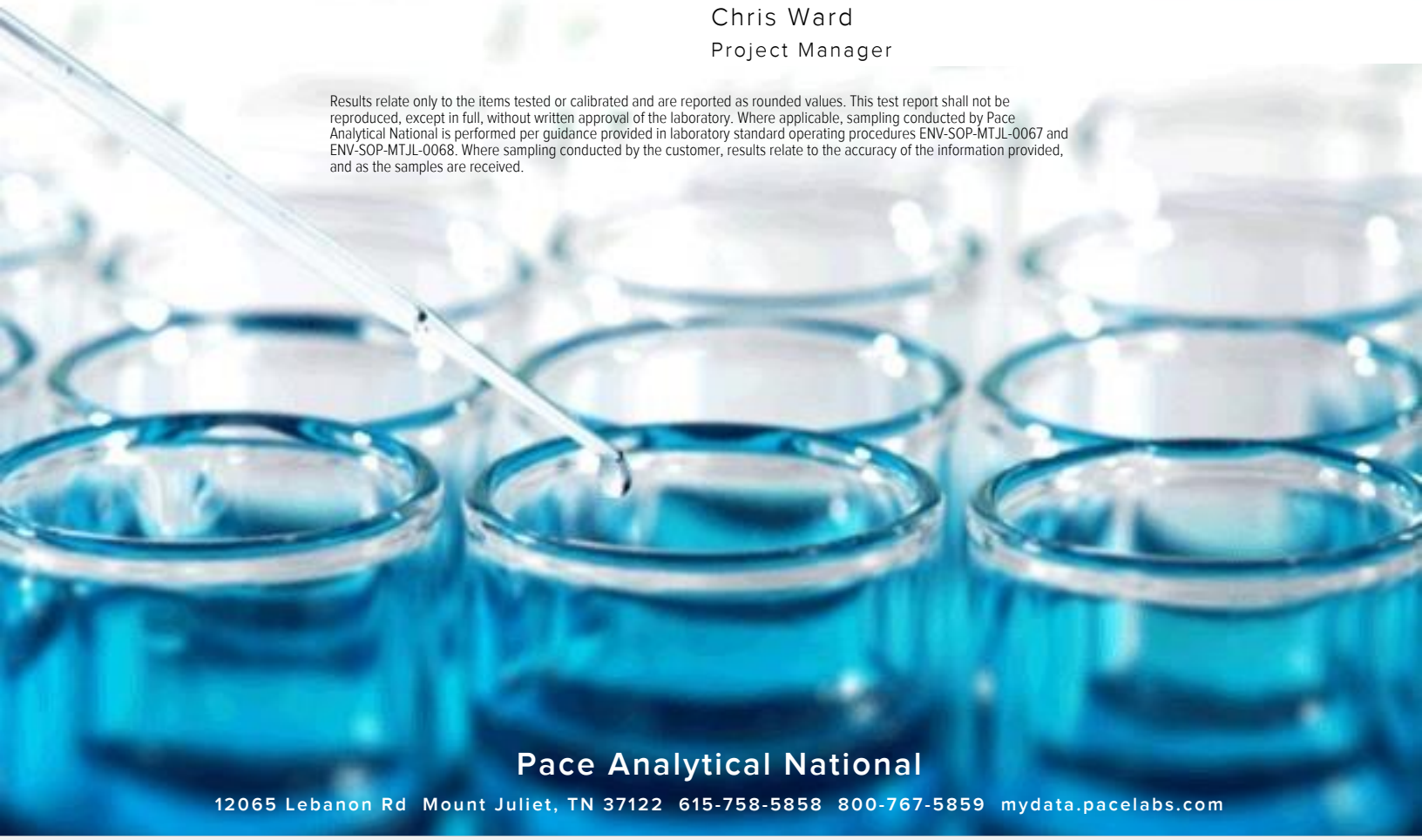
Chevron - CO

Sample Delivery Group:	L1879075
Samples Received:	07/16/2025
Project Number:	0736294
Description:	Chevron RBU/WYSCAVER USX CC05-25
Site:	05-123-33489
Report To:	Justin Onwiler 2115 117th Avenue Greeley, CO 80631

Entire Report Reviewed By:

Chris Ward
Project Manager

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



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

TABLE OF CONTENTS

31838-BG-01-SO-4-20250715 L1879075-01

Collected by	Collected date/time	Received date/time
	07/15/25 10:40	07/16/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2561963	1	07/22/25 13:19	07/22/25 13:19	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2563954	1	07/24/25 18:01	07/26/25 09:44	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2564047	1	07/22/25 11:05	07/23/25 12:10	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2564052	1	07/22/25 11:06	07/26/25 21:45	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2562000	1	07/18/25 11:13	07/19/25 13:50	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2561628	5	07/18/25 08:25	08/01/25 03:20	JPD	Mt. Juliet, TN

31838-BG-01-SO-8-20250715 L1879075-02

Collected by	Collected date/time	Received date/time
	07/15/25 10:50	07/16/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2561963	1	07/22/25 13:21	07/22/25 13:21	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2563954	1	07/24/25 18:01	07/26/25 10:11	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2564055	1	07/22/25 11:10	07/23/25 13:00	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2564059	1	07/22/25 11:13	07/26/25 22:50	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2562000	1	07/18/25 11:13	07/19/25 13:53	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2561628	5	07/18/25 08:25	08/01/25 03:23	JPD	Mt. Juliet, TN

31838-BG-02-SO-4-20250715 L1879075-03

Collected by	Collected date/time	Received date/time
	07/15/25 10:55	07/16/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2561963	1	07/22/25 13:23	07/22/25 13:23	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2563954	1	07/24/25 18:01	07/26/25 10:20	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2564055	1	07/22/25 11:10	07/23/25 13:00	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2564059	1	07/22/25 11:13	07/26/25 22:50	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2562000	1	07/18/25 11:13	07/19/25 14:02	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2561628	5	07/18/25 08:25	08/01/25 03:26	JPD	Mt. Juliet, TN

31838-BG-02-SO-8-20250715 L1879075-04

Collected by	Collected date/time	Received date/time
	07/15/25 11:05	07/16/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2561963	1	07/22/25 13:25	07/22/25 13:25	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2563954	1	07/24/25 18:01	07/26/25 10:29	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2564055	1	07/22/25 11:10	07/23/25 13:00	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2564059	1	07/22/25 11:13	07/26/25 22:50	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2562000	1	07/18/25 11:13	07/19/25 14:05	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2561628	5	07/18/25 08:25	08/01/25 03:29	JPD	Mt. Juliet, TN

31838-BG-03-SO-4-20250715 L1879075-05

Collected by	Collected date/time	Received date/time
	07/15/25 10:50	07/16/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2561963	1	07/22/25 13:26	07/22/25 13:26	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2563954	1	07/24/25 18:01	07/26/25 10:38	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2564055	1	07/22/25 11:10	07/23/25 13:00	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2564059	1	07/22/25 11:13	07/26/25 22:50	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2562000	1	07/18/25 11:13	07/19/25 14:09	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2561628	5	07/18/25 08:25	08/01/25 03:32	JPD	Mt. Juliet, TN

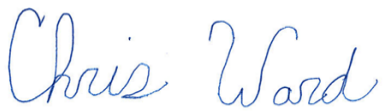
31838-BG-03-SO-8-20250715 L1879075-06

	Collected by	Collected date/time	Received date/time
		07/15/25 11:05	07/16/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2561963	1	07/22/25 12:38	07/22/25 12:38	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2563954	1	07/24/25 18:01	07/26/25 10:47	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2564055	1	07/22/25 11:10	07/23/25 13:00	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2564059	1	07/22/25 11:13	07/26/25 22:50	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2562000	1	07/18/25 11:13	07/19/25 14:12	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2561633	5	07/17/25 16:50	07/31/25 00:41	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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.197		1	07/22/2025 13:19	WG2561963

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	07/26/2025 09:44	WG2563954

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.70		1	07/23/2025 12:10	WG2564047

Sample Narrative:

L1879075-01 WG2564047: 7.7 at 22.1C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.199	mmhos/cm		0.0100	1	07/26/2025 21:45	WG2564052

Sample Narrative:

L1879075-01 WG2564052: 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	07/19/2025 13:50	WG2562000

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.33		0.100	5	08/01/2025 03:20	WG2561628
Barium	66.8		10.0	5	08/01/2025 03:20	WG2561628
Cadmium	0.124		0.100	5	08/01/2025 03:20	WG2561628
Copper	ND		10.0	5	08/01/2025 03:20	WG2561628
Lead	ND		10.0	5	08/01/2025 03:20	WG2561628
Nickel	ND		10.0	5	08/01/2025 03:20	WG2561628
Selenium	0.175		0.100	5	08/01/2025 03:20	WG2561628
Silver	ND		0.500	5	08/01/2025 03:20	WG2561628
Zinc	ND		50.0	5	08/01/2025 03:20	WG2561628

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.18		1	07/22/2025 13:21	WG2561963

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	07/26/2025 10:11	WG2563954

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.28		1	07/23/2025 13:00	WG2564055

Sample Narrative:

L1879075-02 WG2564055: 8.28 at 22.3C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.572	mmhos/cm		0.0100	1	07/26/2025 22:50	WG2564059

Sample Narrative:

L1879075-02 WG2564059: 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	07/19/2025 13:53	WG2562000

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.70		0.100	5	08/01/2025 03:23	WG2561628
Barium	95.7		10.0	5	08/01/2025 03:23	WG2561628
Cadmium	ND		0.100	5	08/01/2025 03:23	WG2561628
Copper	ND		10.0	5	08/01/2025 03:23	WG2561628
Lead	ND		10.0	5	08/01/2025 03:23	WG2561628
Nickel	ND		10.0	5	08/01/2025 03:23	WG2561628
Selenium	0.200		0.100	5	08/01/2025 03:23	WG2561628
Silver	ND		0.500	5	08/01/2025 03:23	WG2561628
Zinc	ND		50.0	5	08/01/2025 03:23	WG2561628

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.231		1	07/22/2025 13:23	WG2561963

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	07/26/2025 10:20	WG2563954

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.30		1	07/23/2025 13:00	WG2564055

Sample Narrative:

L1879075-03 WG2564055: 8.3 at 22.4C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.220	mmhos/cm		0.0100	1	07/26/2025 22:50	WG2564059

Sample Narrative:

L1879075-03 WG2564059: 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	07/19/2025 14:02	WG2562000

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.49		0.100	5	08/01/2025 03:26	WG2561628
Barium	43.7		10.0	5	08/01/2025 03:26	WG2561628
Cadmium	ND		0.100	5	08/01/2025 03:26	WG2561628
Copper	ND		10.0	5	08/01/2025 03:26	WG2561628
Lead	ND		10.0	5	08/01/2025 03:26	WG2561628
Nickel	ND		10.0	5	08/01/2025 03:26	WG2561628
Selenium	0.160		0.100	5	08/01/2025 03:26	WG2561628
Silver	ND		0.500	5	08/01/2025 03:26	WG2561628
Zinc	ND		50.0	5	08/01/2025 03:26	WG2561628

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.269		1	07/22/2025 13:25	WG2561963

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	07/26/2025 10:29	WG2563954

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.08		1	07/23/2025 13:00	WG2564055

Sample Narrative:

L1879075-04 WG2564055: 8.08 at 22.5C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.298	mmhos/cm		0.0100	1	07/26/2025 22:50	WG2564059

Sample Narrative:

L1879075-04 WG2564059: 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	07/19/2025 14:05	WG2562000

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.11		0.100	5	08/01/2025 03:29	WG2561628
Barium	34.5		10.0	5	08/01/2025 03:29	WG2561628
Cadmium	ND		0.100	5	08/01/2025 03:29	WG2561628
Copper	ND		10.0	5	08/01/2025 03:29	WG2561628
Lead	ND		10.0	5	08/01/2025 03:29	WG2561628
Nickel	ND		10.0	5	08/01/2025 03:29	WG2561628
Selenium	ND		0.100	5	08/01/2025 03:29	WG2561628
Silver	ND		0.500	5	08/01/2025 03:29	WG2561628
Zinc	ND		50.0	5	08/01/2025 03:29	WG2561628

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.0887		1	07/22/2025 13:26	WG2561963

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	07/26/2025 10:38	WG2563954

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.45		1	07/23/2025 13:00	WG2564055

Sample Narrative:

L1879075-05 WG2564055: 8.45 at 22.7C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.182	mmhos/cm		0.0100	1	07/26/2025 22:50	WG2564059

Sample Narrative:

L1879075-05 WG2564059: 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	07/19/2025 14:09	WG2562000

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.54		0.100	5	08/01/2025 03:32	WG2561628
Barium	66.0		10.0	5	08/01/2025 03:32	WG2561628
Cadmium	ND		0.100	5	08/01/2025 03:32	WG2561628
Copper	ND		10.0	5	08/01/2025 03:32	WG2561628
Lead	ND		10.0	5	08/01/2025 03:32	WG2561628
Nickel	ND		10.0	5	08/01/2025 03:32	WG2561628
Selenium	0.169		0.100	5	08/01/2025 03:32	WG2561628
Silver	ND		0.500	5	08/01/2025 03:32	WG2561628
Zinc	ND		50.0	5	08/01/2025 03:32	WG2561628

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.456		1	07/22/2025 12:38	WG2561963

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	07/26/2025 10:47	WG2563954

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.81		1	07/23/2025 13:00	WG2564055

Sample Narrative:

L1879075-06 WG2564055: 8.81 at 22.4C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.166	mmhos/cm		0.0100	1	07/26/2025 22:50	WG2564059

Sample Narrative:

L1879075-06 WG2564059: 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	07/19/2025 14:12	WG2562000

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.38		0.100	5	07/31/2025 00:41	WG2561633
Barium	35.8		10.0	5	07/31/2025 00:41	WG2561633
Cadmium	ND		0.100	5	07/31/2025 00:41	WG2561633
Copper	ND		10.0	5	07/31/2025 00:41	WG2561633
Lead	ND		10.0	5	07/31/2025 00:41	WG2561633
Nickel	ND		10.0	5	07/31/2025 00:41	WG2561633
Selenium	ND		0.100	5	07/31/2025 00:41	WG2561633
Silver	ND		0.500	5	07/31/2025 00:41	WG2561633
Zinc	ND		50.0	5	07/31/2025 00:41	WG2561633

Method Blank (MB)

(MB) R4250074-1 07/26/25 08:24

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

L1879070-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1879070-07 07/26/25 09:18 • (DUP) R4250074-3 07/26/25 09:27

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

L1879412-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1879412-03 07/26/25 11:14 • (DUP) R4250074-4 07/26/25 11:23

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

Laboratory Control Sample (LCS)

(LCS) R4250074-2 07/26/25 08:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	10.0	9.24	92.4	80.0-120	

L1879920-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1879920-06 07/26/25 12:25 • (MS) R4250074-5 07/26/25 12:34 • (MSD) R4250074-6 07/26/25 12:43

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	ND	5.16	0.000	25.8	1	75.0-125	J6	J3 J6	200	20

L1879920-06 Original Sample (OS) • Matrix Spike (MS)

(OS) L1879920-06 07/26/25 12:25 • (MS) R4250074-9 07/26/25 12:52

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	656	ND	458	69.9	50	75.0-125	J6

L1878981-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1878981-02 07/23/25 12:10 • (DUP) R4248680-2 07/23/25 12:10

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.16	8.13	1	0.368		1

Sample Narrative:

OS: 8.16 at 22.2C

DUP: 8.13 at 22.2C

L1879075-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1879075-01 07/23/25 12:10 • (DUP) R4248680-3 07/23/25 12:10

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.70	7.72	1	0.259		1

Sample Narrative:

OS: 7.7 at 22.1C

DUP: 7.72 at 22.4C

Laboratory Control Sample (LCS)

(LCS) R4248680-1 07/23/25 12:10

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

Sample Narrative:

LCS: 9.98 at 21.5C

L1878981-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1878981-05 07/23/25 13:00 • (DUP) R4248671-2 07/23/25 13:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.32	8.32	1	0.000		1

Sample Narrative:

OS: 8.32 at 22.4C

DUP: 8.32 at 22.4C

L1879128-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1879128-09 07/23/25 13:00 • (DUP) R4248671-3 07/23/25 13:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.38	8.39	1	0.119		1

Sample Narrative:

OS: 8.38 at 22.2C

DUP: 8.39 at 22.3C

Laboratory Control Sample (LCS)

(LCS) R4248671-1 07/23/25 13:00

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 21.9C

Method Blank (MB)

(MB) R4250060-1 07/26/25 21:45

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

L1878981-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1878981-03 07/26/25 21:45 • (DUP) R4250060-3 07/26/25 21:45

Analyte	Original Result mmhos/cm	DUP Result mmhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	0.656	0.653	1	0.458		20

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

L1879070-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1879070-08 07/26/25 21:45 • (DUP) R4250060-4 07/26/25 21:45

Analyte	Original Result mmhos/cm	DUP Result mmhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	0.218	0.219	1	0.411		20

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

Laboratory Control Sample (LCS)

(LCS) R4250060-2 07/26/25 21:45

Analyte	Spike Amount mmhos/cm	LCS Result mmhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	0.581	0.544	93.6	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) R4250062-1 07/26/25 22:50

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

L1879075-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1879075-02 07/26/25 22:50 • (DUP) R4250062-3 07/26/25 22:50

Analyte	Original Result mmhos/cm	DUP Result mmhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	0.572	0.573	1	0.175		20

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

L1879128-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1879128-08 07/26/25 22:50 • (DUP) R4250062-4 07/26/25 22:50

Analyte	Original Result mmhos/cm	DUP Result mmhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	5.50	5.46	1	0.730		20

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

Laboratory Control Sample (LCS)

(LCS) R4250062-2 07/26/25 22:50

Analyte	Spike Amount mmhos/cm	LCS Result mmhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	0.581	0.548	94.3	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) R4247136-1 07/19/25 09:50

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) R4247136-2 07/19/25 09:53 • (LCSD) R4247136-3 07/19/25 09:56

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	0.956	0.991	95.6	99.1	80.0-120			3.68	20

Method Blank (MB)

(MB) R4252353-7 08/01/25 01:59

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) R4252353-8 08/01/25 02:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	95.2	95.2	80.0-120	
Barium	100	90.2	90.2	80.0-120	
Cadmium	100	98.2	98.2	80.0-120	
Copper	100	91.4	91.4	80.0-120	
Lead	100	88.2	88.2	80.0-120	
Nickel	100	98.2	98.2	80.0-120	
Selenium	100	95.2	95.2	80.0-120	
Silver	20.0	19.0	95.1	80.0-120	
Zinc	100	95.4	95.4	80.0-120	

L1879070-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1879070-03 08/01/25 02:05 • (MS) R4252353-11 08/01/25 02:14 • (MSD) R4252353-12 08/01/25 02:18

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	3.58	93.5	101	89.9	97.3	5	75.0-125			7.55	20
Barium	100	80.4	190	170	110	89.4	5	75.0-125			11.3	20
Cadmium	100	0.115	92.4	101	92.3	101	5	75.0-125			8.70	20
Copper	100	ND	92.7	99.8	92.7	99.8	5	75.0-125			7.40	20
Lead	100	ND	92.7	97.7	92.7	97.7	5	75.0-125			5.16	20
Nickel	100	ND	97.9	105	97.9	105	5	75.0-125			6.66	20
Selenium	100	0.183	90.7	97.0	90.5	96.8	5	75.0-125			6.74	20
Silver	20.0	ND	18.4	19.6	91.9	98.1	5	75.0-125			6.44	20
Zinc	100	ND	114	122	114	122	5	75.0-125			6.77	20

Method Blank (MB)

(MB) R4251889-1 07/30/25 23:41

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) R4251889-2 07/30/25 23:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	95.6	95.6	80.0-120	
Barium	100	93.2	93.2	80.0-120	
Cadmium	100	98.0	98.0	80.0-120	
Copper	100	99.6	99.6	80.0-120	
Lead	100	94.5	94.5	80.0-120	
Nickel	100	100	100	80.0-120	
Selenium	100	96.9	96.9	80.0-120	
Silver	20.0	19.4	97.2	80.0-120	
Zinc	100	94.6	94.6	80.0-120	

L1878207-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1878207-03 07/30/25 23:47 • (MS) R4251889-5 07/30/25 23:58 • (MSD) R4251889-6 07/31/25 00:01

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	13.6	108	110	93.9	96.4	5	75.0-125			2.31	20
Barium	100	101	201	214	100	113	5	75.0-125			6.26	20
Cadmium	100	0.127	96.5	97.8	96.3	97.7	5	75.0-125			1.38	20
Copper	100	34.0	129	133	94.7	98.6	5	75.0-125			2.99	20
Lead	100	39.9	129	142	89.0	102	5	75.0-125			9.81	20
Nickel	100	39.8	138	141	98.5	101	5	75.0-125			2.11	20
Selenium	100	0.288	95.1	93.6	94.8	93.3	5	75.0-125			1.53	20
Silver	20.0	ND	18.7	19.0	93.5	94.9	5	75.0-125			1.56	20
Zinc	100	75.1	166	172	90.9	97.3	5	75.0-125			3.78	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
J3	The associated batch QC was outside the established quality control range for precision.
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	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

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

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

Company Name/Address:	Billing Information:	Pres Chk	Analysis / Container / Preservative	Chain of Custody Page 1 of 1
Chevron - CO **1200 17th St. Floor 10** **Denver, Co 80202**	**1200 17th St. Floor 10** **Denver, Co 80202**		BG Table 915 4oz Clear No Pres	**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 L1879075
Report to: **Nathan Champlin - 406-671-8273**	Email To: **Nathan.Champlin@erm.com**			
Project Description: Chevron RBU/WYSCAVER USX CC05-25	City/State Collected: CO	Please Circle: PT **MT** CT ET		
Regulatory Program(DOD,RCRA,DW,etc):	Client Project # 0736294	Lab Project # **CHEGCO-ERM**		SDG # Table # **K186**
Collected by (print): BS, NS, PC, AM, HR, CW, AM, MB	Site/Facility ID #05-123-33489	P.O. AFE #BCDJ29299		Acctnum: **CHEGCO** Template:**T270815** Prelogin: **P1140477** PM: **824 - Chris Ward** PB:
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 __X__ STD TAT Date Results Needed	**Quote #**	No. of Cntrs	Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BG Table 915 4oz Clear No Pres	Remarks	Sample # (lab only)
31838-BG-01-SO-4-20250715	G	SS	4	7/15/2025	1040	2	x		-01
31838-BG-01-SO-8-20250715	G	SS	8	7/15/2025	1050	2	x		-02
31838-BG-02-SO-4-20250715	G	SS	4	7/15/2025	1055	2	x		-03
31838-BG-02-SO-8-20250715	G	SS	8	7/15/2025	1105	2	x		-04
31838-BG-03-SO-4-20250715	G	SS	4	7/15/2025	1050	2	x		-05
31838-BG-03-SO-8-20250715	G	SS	8	7/15/2025	1105	2	x		-06

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

Samples returned via:
UPS FedEx Courier _____

Tracking # MuH

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	7/15/25	1400	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	07/15/25	1800	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Evelyn Oyn

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: MuH °C Bottles Received: 12

Date: 7/16/25 Time: 1000

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

If preservation required by Login: Date/Time

Hold: Condition NCF / OK

Multiple Parcel Form L# U879075

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
SWA 1	TCA1	2.6	+0.4	3.0	Yes / No / Not Present
	TCA1	2.3	+0.4	2.7	Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present

Evelyn Ogm
Name

7/16/25
Date