

**Chevron - CO**

Sample Delivery Group: L1880255  
Samples Received: 07/19/2025  
Project Number:  
Description: Novacek C28-27D

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

Entire Report Reviewed By:



Chris Ward  
Project Manager

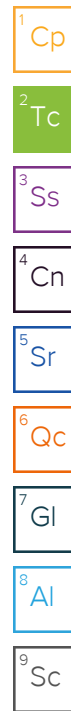
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**Pace Analytical National**

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

# TABLE OF CONTENTS

|   |           |
|---|-----------|
| <b>Cp: Cover Page</b>                     | <b>1</b>  |
| <b>Tc: Table of Contents</b>              | <b>2</b>  |
| <b>Ss: Sample Summary</b>                 | <b>3</b>  |
| <b>Cn: Case Narrative</b>                 | <b>5</b>  |
| <b>Sr: Sample Results</b>                 | <b>6</b>  |
| BKG01@4' L1880255-01                      | 6         |
| BKG01@6' L1880255-02                      | 7         |
| BKG02@4' L1880255-03                      | 8         |
| BKG02@6' L1880255-04                      | 9         |
| BKG03@4' L1880255-05                      | 10        |
| BKG03@6' L1880255-06                      | 11        |
| <b>Qc: Quality Control Summary</b>        | <b>12</b> |
| Wet Chemistry by Method 7199              | 12        |
| Wet Chemistry by Method 9045D (S-1.10)    | 14        |
| Wet Chemistry by Method 9050AMod (S-1.20) | 17        |
| Metals (ICP) by Method 6010D (S-7.10)     | 20        |
| Metals (ICPMS) by Method 6020B            | 21        |
| <b>Gl: Glossary of Terms</b>              | <b>23</b> |
| <b>Al: Accreditations &amp; Locations</b> | <b>24</b> |
| <b>Sc: Sample Chain of Custody</b>        | <b>25</b> |



# SAMPLE SUMMARY

## BKG01@4' L1880255-01

Collected by: Simon Gascho  
 Collected date/time: 07/18/25 10:50  
 Received date/time: 07/19/25 09:00

| Method                                    | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results                        | WG2568294 | 1        | 07/30/25 01:27        | 07/30/25 01:27     | MAP     | Mt. Juliet, TN |
| Wet Chemistry by Method 7199              | WG2568890 | 1        | 07/29/25 16:11        | 08/05/25 12:00     | EKB     | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D (S-1.10)    | WG2569561 | 1        | 07/30/25 13:56        | 07/31/25 14:09     | BJM     | Mt. Juliet, TN |
| Wet Chemistry by Method 9050AMod (S-1.20) | WG2569566 | 1        | 07/30/25 14:00        | 08/01/25 16:00     | KRB     | Mt. Juliet, TN |
| Metals (ICP) by Method 6010D (S-7.10)     | WG2568303 | 1        | 07/29/25 12:03        | 07/29/25 20:48     | RLS     | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B            | WG2565382 | 5        | 07/24/25 08:18        | 08/09/25 12:46     | JPD     | Mt. Juliet, TN |



## BKG01@6' L1880255-02

Collected by: Simon Gascho  
 Collected date/time: 07/18/25 10:56  
 Received date/time: 07/19/25 09:00

| Method                                    | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results                        | WG2568294 | 1        | 07/30/25 01:29        | 07/30/25 01:29     | MAP     | Mt. Juliet, TN |
| Wet Chemistry by Method 7199              | WG2568890 | 1        | 07/29/25 16:11        | 08/05/25 12:09     | EKB     | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D (S-1.10)    | WG2569512 | 1        | 07/30/25 13:46        | 07/31/25 15:42     | BJM     | Mt. Juliet, TN |
| Wet Chemistry by Method 9050AMod (S-1.20) | WG2569548 | 1        | 07/30/25 13:52        | 08/01/25 16:35     | KRB     | Mt. Juliet, TN |
| Metals (ICP) by Method 6010D (S-7.10)     | WG2568303 | 1        | 07/29/25 12:03        | 07/29/25 21:07     | RLS     | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B            | WG2565384 | 5        | 07/24/25 07:07        | 08/09/25 21:09     | TMT     | Mt. Juliet, TN |

## BKG02@4' L1880255-03

Collected by: Simon Gascho  
 Collected date/time: 07/18/25 11:00  
 Received date/time: 07/19/25 09:00

| Method                                    | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results                        | WG2568294 | 1        | 07/30/25 01:31        | 07/30/25 01:31     | MAP     | Mt. Juliet, TN |
| Wet Chemistry by Method 7199              | WG2568890 | 1        | 07/29/25 16:11        | 08/05/25 12:19     | EKB     | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D (S-1.10)    | WG2569512 | 1        | 07/30/25 13:46        | 07/31/25 15:42     | BJM     | Mt. Juliet, TN |
| Wet Chemistry by Method 9050AMod (S-1.20) | WG2569548 | 1        | 07/30/25 13:52        | 08/01/25 16:35     | KRB     | Mt. Juliet, TN |
| Metals (ICP) by Method 6010D (S-7.10)     | WG2568303 | 1        | 07/29/25 12:03        | 07/29/25 21:10     | RLS     | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B            | WG2565384 | 5        | 07/24/25 07:07        | 08/09/25 21:12     | TMT     | Mt. Juliet, TN |

## BKG02@6' L1880255-04

Collected by: Simon Gascho  
 Collected date/time: 07/18/25 11:07  
 Received date/time: 07/19/25 09:00

| Method                                    | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results                        | WG2568294 | 1        | 07/30/25 01:33        | 07/30/25 01:33     | MAP     | Mt. Juliet, TN |
| Wet Chemistry by Method 7199              | WG2568890 | 1        | 07/29/25 16:11        | 08/05/25 12:29     | EKB     | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D (S-1.10)    | WG2569512 | 1        | 07/30/25 13:46        | 07/31/25 15:42     | BJM     | Mt. Juliet, TN |
| Wet Chemistry by Method 9050AMod (S-1.20) | WG2569548 | 1        | 07/30/25 13:52        | 08/01/25 16:35     | KRB     | Mt. Juliet, TN |
| Metals (ICP) by Method 6010D (S-7.10)     | WG2568303 | 1        | 07/29/25 12:03        | 07/29/25 21:13     | RLS     | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B            | WG2565384 | 5        | 07/24/25 07:07        | 08/09/25 21:15     | TMT     | Mt. Juliet, TN |

## BKG03@4' L1880255-05

Collected by: Simon Gascho  
 Collected date/time: 07/18/25 11:15  
 Received date/time: 07/19/25 09:00

| Method                                    | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results                        | WG2568294 | 1        | 07/30/25 01:34        | 07/30/25 01:34     | MAP     | Mt. Juliet, TN |
| Wet Chemistry by Method 7199              | WG2568890 | 1        | 07/29/25 16:11        | 08/05/25 12:38     | EKB     | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D (S-1.10)    | WG2569509 | 1        | 07/30/25 13:25        | 07/31/25 14:55     | BJM     | Mt. Juliet, TN |
| Wet Chemistry by Method 9050AMod (S-1.20) | WG2569501 | 1        | 07/30/25 13:23        | 08/01/25 17:45     | KRB     | Mt. Juliet, TN |
| Metals (ICP) by Method 6010D (S-7.10)     | WG2568303 | 1        | 07/29/25 12:03        | 07/29/25 21:16     | RLS     | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B            | WG2565384 | 5        | 07/24/25 07:07        | 08/09/25 21:18     | TMT     | Mt. Juliet, TN |

# SAMPLE SUMMARY

BKG03@6' L1880255-06

Collected by: Simon Gascho  
 Collected date/time: 07/18/25 11:21  
 Received date/time: 07/19/25 09:00

| Method                                    | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results                        | WG2568294 | 1        | 07/30/25 00:51        | 07/30/25 00:51     | MAP     | Mt. Juliet, TN |
| Wet Chemistry by Method 7199              | WG2568890 | 1        | 07/29/25 16:11        | 08/05/25 13:17     | EKB     | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D (S-1.10)    | WG2569561 | 1        | 07/30/25 13:56        | 07/31/25 14:09     | BJM     | Mt. Juliet, TN |
| Wet Chemistry by Method 9050AMod (S-1.20) | WG2569566 | 1        | 07/30/25 14:00        | 08/01/25 16:00     | KRB     | Mt. Juliet, TN |
| Metals (ICP) by Method 6010D (S-7.10)     | WG2568303 | 1        | 07/29/25 12:03        | 07/29/25 21:19     | RLS     | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B            | WG2565384 | 5        | 07/24/25 07:07        | 08/09/25 21:28     | TMT     | Mt. Juliet, TN |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

# 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

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Calculated Results

| Analyte                 | Result | Qualifier | Dilution | Analysis date / time | Batch     |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 0.311  |           | 1        | 07/30/2025 01:27     | WG2568294 |

Wet Chemistry by Method 7199

| Analyte             | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------|--------------|-----------|-----------|----------|----------------------|---------------------------|
| Hexavalent Chromium | 0.545        |           | 0.200     | 1        | 08/05/2025 12:00     | <a href="#">WG2568890</a> |

Wet Chemistry by Method 9045D (S-1.10)

| Analyte | Result su | Qualifier | Dilution | Analysis date / time | Batch                     |
|---------|-----------|-----------|----------|----------------------|---------------------------|
| pH      | 6.84      |           | 1        | 07/31/2025 14:09     | <a href="#">WG2569561</a> |

Sample Narrative:

L1880255-01 WG2569561: 6.84 at 21.5C

Wet Chemistry by Method 9050AMod (S-1.20)

| Analyte              | Result | Units    | Qualifier | RDL    | Dilution | Analysis date / time | Batch                     |
|----------------------|--------|----------|-----------|--------|----------|----------------------|---------------------------|
| Specific Conductance | 0.188  | mmhos/cm |           | 0.0100 | 1        | 08/01/2025 16:00     | <a href="#">WG2569566</a> |

Sample Narrative:

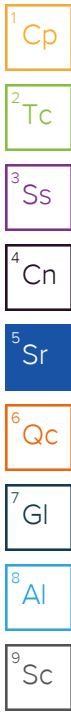
L1880255-01 WG2569566: at 25C

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        | 07/29/2025 20:48     | <a href="#">WG2568303</a> |

Metals (ICPMS) by Method 6020B

| Analyte  | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|----------|----------------------|---------------------------|
| Arsenic  | 3.94         |           | 0.100     | 5        | 08/09/2025 12:46     | <a href="#">WG2565382</a> |
| Barium   | 101          |           | 10.0      | 5        | 08/09/2025 12:46     | <a href="#">WG2565382</a> |
| Cadmium  | ND           |           | 0.100     | 5        | 08/09/2025 12:46     | <a href="#">WG2565382</a> |
| Copper   | ND           |           | 10.0      | 5        | 08/09/2025 12:46     | <a href="#">WG2565382</a> |
| Lead     | ND           |           | 10.0      | 5        | 08/09/2025 12:46     | <a href="#">WG2565382</a> |
| Nickel   | ND           |           | 10.0      | 5        | 08/09/2025 12:46     | <a href="#">WG2565382</a> |
| Selenium | 0.219        |           | 0.100     | 5        | 08/09/2025 12:46     | <a href="#">WG2565382</a> |
| Silver   | ND           |           | 0.500     | 5        | 08/09/2025 12:46     | <a href="#">WG2565382</a> |
| Zinc     | ND           |           | 50.0      | 5        | 08/09/2025 12:46     | <a href="#">WG2565382</a> |



Calculated Results

| Analyte                 | Result | Qualifier | Dilution | Analysis date / time | Batch     |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 0.248  |           | 1        | 07/30/2025 01:29     | WG2568294 |

Wet Chemistry by Method 7199

| Analyte             | Result | Qualifier | RDL   | Dilution | Analysis date / time | Batch                     |
|---------------------|--------|-----------|-------|----------|----------------------|---------------------------|
| Hexavalent Chromium | 0.960  |           | 0.200 | 1        | 08/05/2025 12:09     | <a href="#">WG2568890</a> |

Wet Chemistry by Method 9045D (S-1.10)

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|---------|--------|-----------|----------|----------------------|---------------------------|
| pH      | 7.34   |           | 1        | 07/31/2025 15:42     | <a href="#">WG2569512</a> |

Sample Narrative:

L1880255-02 WG2569512: 7.34 at 21.3C

Wet Chemistry by Method 9050AMod (S-1.20)

| Analyte              | Result | Units    | Qualifier | RDL    | Dilution | Analysis date / time | Batch                     |
|----------------------|--------|----------|-----------|--------|----------|----------------------|---------------------------|
| Specific Conductance | 0.212  | mmhos/cm |           | 0.0100 | 1        | 08/01/2025 16:35     | <a href="#">WG2569548</a> |

Sample Narrative:

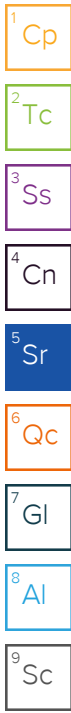
L1880255-02 WG2569548: at 25C

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

| Analyte              | Result | Qualifier | RDL   | Dilution | Analysis date / time | Batch                     |
|----------------------|--------|-----------|-------|----------|----------------------|---------------------------|
| Hot Water Sol. Boron | ND     |           | 0.100 | 1        | 07/29/2025 21:07     | <a href="#">WG2568303</a> |

Metals (ICPMS) by Method 6020B

| Analyte  | Result | Qualifier | RDL   | Dilution | Analysis date / time | Batch                     |
|----------|--------|-----------|-------|----------|----------------------|---------------------------|
| Arsenic  | 6.45   |           | 0.100 | 5        | 08/09/2025 21:09     | <a href="#">WG2565384</a> |
| Barium   | 108    |           | 10.0  | 5        | 08/09/2025 21:09     | <a href="#">WG2565384</a> |
| Cadmium  | ND     |           | 0.100 | 5        | 08/09/2025 21:09     | <a href="#">WG2565384</a> |
| Copper   | ND     |           | 10.0  | 5        | 08/09/2025 21:09     | <a href="#">WG2565384</a> |
| Lead     | ND     |           | 10.0  | 5        | 08/09/2025 21:09     | <a href="#">WG2565384</a> |
| Nickel   | ND     |           | 10.0  | 5        | 08/09/2025 21:09     | <a href="#">WG2565384</a> |
| Selenium | 0.375  |           | 0.100 | 5        | 08/09/2025 21:09     | <a href="#">WG2565384</a> |
| Silver   | ND     |           | 0.500 | 5        | 08/09/2025 21:09     | <a href="#">WG2565384</a> |
| Zinc     | ND     |           | 50.0  | 5        | 08/09/2025 21:09     | <a href="#">WG2565384</a> |



Calculated Results

| Analyte                 | Result | Qualifier | Dilution | Analysis date / time | Batch     |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 0.186  |           | 1        | 07/30/2025 01:31     | WG2568294 |

Wet Chemistry by Method 7199

| Analyte             | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------|--------------|-----------|-----------|----------|----------------------|---------------------------|
| Hexavalent Chromium | 0.550        |           | 0.200     | 1        | 08/05/2025 12:19     | <a href="#">WG2568890</a> |

Wet Chemistry by Method 9045D (S-1.10)

| Analyte | Result su | Qualifier | Dilution | Analysis date / time | Batch                     |
|---------|-----------|-----------|----------|----------------------|---------------------------|
| pH      | 6.74      |           | 1        | 07/31/2025 15:42     | <a href="#">WG2569512</a> |

Sample Narrative:

L1880255-03 WG2569512: 6.74 at 21.2C

Wet Chemistry by Method 9050AMod (S-1.20)

| Analyte              | Result | Units    | Qualifier | RDL    | Dilution | Analysis date / time | Batch                     |
|----------------------|--------|----------|-----------|--------|----------|----------------------|---------------------------|
| Specific Conductance | 0.145  | mmhos/cm |           | 0.0100 | 1        | 08/01/2025 16:35     | <a href="#">WG2569548</a> |

Sample Narrative:

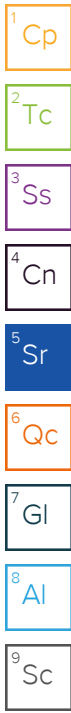
L1880255-03 WG2569548: at 25C

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        | 07/29/2025 21:10     | <a href="#">WG2568303</a> |

Metals (ICPMS) by Method 6020B

| Analyte  | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|----------|----------------------|---------------------------|
| Arsenic  | 4.33         |           | 0.100     | 5        | 08/09/2025 21:12     | <a href="#">WG2565384</a> |
| Barium   | 74.3         |           | 10.0      | 5        | 08/09/2025 21:12     | <a href="#">WG2565384</a> |
| Cadmium  | ND           |           | 0.100     | 5        | 08/09/2025 21:12     | <a href="#">WG2565384</a> |
| Copper   | ND           |           | 10.0      | 5        | 08/09/2025 21:12     | <a href="#">WG2565384</a> |
| Lead     | ND           |           | 10.0      | 5        | 08/09/2025 21:12     | <a href="#">WG2565384</a> |
| Nickel   | ND           |           | 10.0      | 5        | 08/09/2025 21:12     | <a href="#">WG2565384</a> |
| Selenium | 0.248        |           | 0.100     | 5        | 08/09/2025 21:12     | <a href="#">WG2565384</a> |
| Silver   | ND           |           | 0.500     | 5        | 08/09/2025 21:12     | <a href="#">WG2565384</a> |
| Zinc     | ND           |           | 50.0      | 5        | 08/09/2025 21:12     | <a href="#">WG2565384</a> |



Calculated Results

| Analyte                 | Result | Qualifier | Dilution | Analysis date / time | Batch     |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 0.187  |           | 1        | 07/30/2025 01:33     | WG2568294 |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 7199

| Analyte             | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------|--------------|-----------|-----------|----------|----------------------|---------------------------|
| Hexavalent Chromium | 0.992        |           | 0.200     | 1        | 08/05/2025 12:29     | <a href="#">WG2568890</a> |

Wet Chemistry by Method 9045D (S-1.10)

| Analyte | Result su | Qualifier | Dilution | Analysis date / time | Batch                     |
|---------|-----------|-----------|----------|----------------------|---------------------------|
| pH      | 6.98      |           | 1        | 07/31/2025 15:42     | <a href="#">WG2569512</a> |

Sample Narrative:

L1880255-04 WG2569512: 6.98 at 21.2C

Wet Chemistry by Method 9050AMod (S-1.20)

| Analyte              | Result | Units    | Qualifier | RDL    | Dilution | Analysis date / time | Batch                     |
|----------------------|--------|----------|-----------|--------|----------|----------------------|---------------------------|
| Specific Conductance | 0.169  | mmhos/cm |           | 0.0100 | 1        | 08/01/2025 16:35     | <a href="#">WG2569548</a> |

Sample Narrative:

L1880255-04 WG2569548: 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        | 07/29/2025 21:13     | <a href="#">WG2568303</a> |

Metals (ICPMS) by Method 6020B

| Analyte  | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|----------|----------------------|---------------------------|
| Arsenic  | 9.19         |           | 0.100     | 5        | 08/09/2025 21:15     | <a href="#">WG2565384</a> |
| Barium   | 164          |           | 10.0      | 5        | 08/09/2025 21:15     | <a href="#">WG2565384</a> |
| Cadmium  | ND           |           | 0.100     | 5        | 08/09/2025 21:15     | <a href="#">WG2565384</a> |
| Copper   | ND           |           | 10.0      | 5        | 08/09/2025 21:15     | <a href="#">WG2565384</a> |
| Lead     | ND           |           | 10.0      | 5        | 08/09/2025 21:15     | <a href="#">WG2565384</a> |
| Nickel   | ND           |           | 10.0      | 5        | 08/09/2025 21:15     | <a href="#">WG2565384</a> |
| Selenium | 0.501        |           | 0.100     | 5        | 08/09/2025 21:15     | <a href="#">WG2565384</a> |
| Silver   | ND           |           | 0.500     | 5        | 08/09/2025 21:15     | <a href="#">WG2565384</a> |
| Zinc     | ND           |           | 50.0      | 5        | 08/09/2025 21:15     | <a href="#">WG2565384</a> |

Calculated Results

| Analyte                 | Result | Qualifier | Dilution | Analysis date / time | Batch     |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 0.172  |           | 1        | 07/30/2025 01:34     | WG2568294 |

Wet Chemistry by Method 7199

| Analyte             | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------|--------------|-----------|-----------|----------|----------------------|---------------------------|
| Hexavalent Chromium | 0.608        | P1        | 0.200     | 1        | 08/05/2025 12:38     | <a href="#">WG2568890</a> |

Wet Chemistry by Method 9045D (S-1.10)

| Analyte | Result su | Qualifier | Dilution | Analysis date / time | Batch                     |
|---------|-----------|-----------|----------|----------------------|---------------------------|
| pH      | 6.67      |           | 1        | 07/31/2025 14:55     | <a href="#">WG2569509</a> |

Sample Narrative:

L1880255-05 WG2569509: 6.67 at 21.4C

Wet Chemistry by Method 9050AMod (S-1.20)

| Analyte              | Result | Units    | Qualifier | RDL    | Dilution | Analysis date / time | Batch                     |
|----------------------|--------|----------|-----------|--------|----------|----------------------|---------------------------|
| Specific Conductance | 0.127  | mmhos/cm |           | 0.0100 | 1        | 08/01/2025 17:45     | <a href="#">WG2569501</a> |

Sample Narrative:

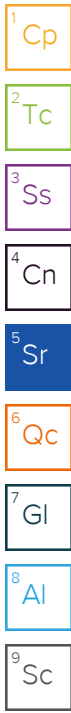
L1880255-05 WG2569501: at 25C

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        | 07/29/2025 21:16     | <a href="#">WG2568303</a> |

Metals (ICPMS) by Method 6020B

| Analyte  | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|----------|----------------------|---------------------------|
| Arsenic  | 3.44         |           | 0.100     | 5        | 08/09/2025 21:18     | <a href="#">WG2565384</a> |
| Barium   | 102          |           | 10.0      | 5        | 08/09/2025 21:18     | <a href="#">WG2565384</a> |
| Cadmium  | ND           |           | 0.100     | 5        | 08/09/2025 21:18     | <a href="#">WG2565384</a> |
| Copper   | ND           |           | 10.0      | 5        | 08/09/2025 21:18     | <a href="#">WG2565384</a> |
| Lead     | ND           |           | 10.0      | 5        | 08/09/2025 21:18     | <a href="#">WG2565384</a> |
| Nickel   | ND           |           | 10.0      | 5        | 08/09/2025 21:18     | <a href="#">WG2565384</a> |
| Selenium | 0.170        |           | 0.100     | 5        | 08/09/2025 21:18     | <a href="#">WG2565384</a> |
| Silver   | ND           |           | 0.500     | 5        | 08/09/2025 21:18     | <a href="#">WG2565384</a> |
| Zinc     | ND           |           | 50.0      | 5        | 08/09/2025 21:18     | <a href="#">WG2565384</a> |



Calculated Results

| Analyte                 | Result | Qualifier | Dilution | Analysis date / time | Batch     |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 0.817  |           | 1        | 07/30/2025 00:51     | WG2568294 |

Wet Chemistry by Method 7199

| Analyte             | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------|--------------|-----------|-----------|----------|----------------------|---------------------------|
| Hexavalent Chromium | 0.279        |           | 0.200     | 1        | 08/05/2025 13:17     | <a href="#">WG2568890</a> |

Wet Chemistry by Method 9045D (S-1.10)

| Analyte | Result su | Qualifier | Dilution | Analysis date / time | Batch                     |
|---------|-----------|-----------|----------|----------------------|---------------------------|
| pH      | 7.76      |           | 1        | 07/31/2025 14:09     | <a href="#">WG2569561</a> |

Sample Narrative:

L1880255-06 WG2569561: 7.76 at 21.5C

Wet Chemistry by Method 9050AMod (S-1.20)

| Analyte              | Result | Units    | Qualifier | RDL    | Dilution | Analysis date / time | Batch                     |
|----------------------|--------|----------|-----------|--------|----------|----------------------|---------------------------|
| Specific Conductance | 0.519  | mmhos/cm |           | 0.0100 | 1        | 08/01/2025 16:00     | <a href="#">WG2569566</a> |

Sample Narrative:

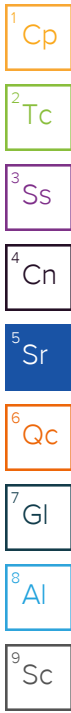
L1880255-06 WG2569566: at 25C

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        | 07/29/2025 21:19     | <a href="#">WG2568303</a> |

Metals (ICPMS) by Method 6020B

| Analyte  | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|----------|----------------------|---------------------------|
| Arsenic  | 2.11         |           | 0.100     | 5        | 08/09/2025 21:28     | <a href="#">WG2565384</a> |
| Barium   | 160          |           | 10.0      | 5        | 08/09/2025 21:28     | <a href="#">WG2565384</a> |
| Cadmium  | ND           |           | 0.100     | 5        | 08/09/2025 21:28     | <a href="#">WG2565384</a> |
| Copper   | ND           |           | 10.0      | 5        | 08/09/2025 21:28     | <a href="#">WG2565384</a> |
| Lead     | ND           |           | 10.0      | 5        | 08/09/2025 21:28     | <a href="#">WG2565384</a> |
| Nickel   | ND           |           | 10.0      | 5        | 08/09/2025 21:28     | <a href="#">WG2565384</a> |
| Selenium | ND           |           | 0.100     | 5        | 08/09/2025 21:28     | <a href="#">WG2565384</a> |
| Silver   | ND           |           | 0.500     | 5        | 08/09/2025 21:28     | <a href="#">WG2565384</a> |
| Zinc     | ND           |           | 50.0      | 5        | 08/09/2025 21:28     | <a href="#">WG2565384</a> |



Method Blank (MB)

(MB) R4254816-1 08/05/25 07:20

| Analyte             | MB Result | MB Qualifier | MB MDL | MB RDL |
|---------------------|-----------|--------------|--------|--------|
| Hexavalent Chromium | U         |              | 0.200  | 0.200  |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L1880242-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1880242-01 08/05/25 07:49 • (DUP) R4254816-3 08/05/25 07:58

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

L1880255-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1880255-05 08/05/25 12:38 • (DUP) R4254816-11 08/05/25 13:07

| Analyte             | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------------------|-----------------|------------|----------|---------|---------------|----------------|
| Hexavalent Chromium | 0.608           | 0.767      | 1        | 23.1    | P1            | 20             |

Laboratory Control Sample (LCS)

(LCS) R4254816-2 08/05/25 07:29

| Analyte             | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------------------|--------------|------------|----------|-------------|---------------|
| Hexavalent Chromium | 10.0         | 8.88       | 88.8     | 80.0-120    |               |

L1880244-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1880244-07 08/05/25 10:23 • (MS) R4254816-8 08/05/25 10:42 • (MSD) R4254816-9 08/05/25 11:11

| 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              | 17.1      | 16.1       | 85.3    | 80.7     | 1        | 75.0-125    |              |               | 5.50 | 20         |

L1880244-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1880244-02 08/05/25 08:37 • (MS) R4254816-13 08/05/25 13:27 • (MSD) R4254816-5 08/05/25 09:25

| 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              | 18.2      | 18.3       | 91.0    | 91.4     | 1        | 75.0-125    |              |               | 0.423 | 20         |

L1880244-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1880244-02 08/05/25 08:37 • (MS) R4254816-6 08/05/25 09:35

| Analyte             | Spike Amount<br>mg/kg | Original Result<br>mg/kg | MS Result<br>mg/kg | MS Rec.<br>% | Dilution | Rec. Limits<br>% | <u>MS Qualifier</u> |
|---------------------|-----------------------|--------------------------|--------------------|--------------|----------|------------------|---------------------|
| Hexavalent Chromium | 638                   | ND                       | 537                | 84.2         | 50       | 75.0-125         |                     |

L1880244-07 Original Sample (OS) • Matrix Spike (MS)

(OS) L1880244-07 08/05/25 10:23 • (MS) R4254816-10 08/05/25 11:21

| Analyte             | Spike Amount<br>mg/kg | Original Result<br>mg/kg | MS Result<br>mg/kg | MS Rec.<br>% | Dilution | Rec. Limits<br>% | <u>MS Qualifier</u> |
|---------------------|-----------------------|--------------------------|--------------------|--------------|----------|------------------|---------------------|
| Hexavalent Chromium | 646                   | ND                       | 570                | 88.3         | 50       | 75.0-125         |                     |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L1880183-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1880183-01 07/31/25 14:55 • (DUP) R4252284-2 07/31/25 14:55

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| su      | su              |            |          | %       |               | %              |
| pH      | 7.68            | 7.70       | 1        | 0.260   |               | 1              |

Sample Narrative:

OS: 7.68 at 21.9C

DUP: 7.7 at 22.1C

L1880255-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1880255-05 07/31/25 14:55 • (DUP) R4252284-3 07/31/25 14:55

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| su      | su              |            |          | %       |               | %              |
| pH      | 6.67            | 6.68       | 1        | 0.150   |               | 1              |

Sample Narrative:

OS: 6.67 at 21.4C

DUP: 6.68 at 21.7C

Laboratory Control Sample (LCS)

(LCS) R4252284-1 07/31/25 14:55

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

Sample Narrative:

LCS: 9.95 at 21.4C



L1880183-38 Original Sample (OS) • Duplicate (DUP)

(OS) L1880183-38 07/31/25 15:42 • (DUP) R4252287-2 07/31/25 15:42

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| su      | su              |            |          | %       |               | %              |
| pH      | 8.63            | 8.65       | 1        | 0.231   |               | 1              |

Sample Narrative:

OS: 8.63 at 22C  
DUP: 8.65 at 22.3C

L1880282-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1880282-03 07/31/25 15:42 • (DUP) R4252287-3 07/31/25 15:42

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| su      | su              |            |          | %       |               | %              |
| pH      | 6.50            | 6.56       | 1        | 0.919   |               | 1              |

Sample Narrative:

OS: 6.5 at 23.1C  
DUP: 6.56 at 23.5C

Laboratory Control Sample (LCS)

(LCS) R4252287-1 07/31/25 15:42

| 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 21.6C

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1880182-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1880182-01 07/31/25 14:09 • (DUP) R4252282-2 07/31/25 14:09

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| su      | su              |            |          | %       |               | %              |
| pH      | 7.40            | 7.42       | 1        | 0.270   |               | 1              |

Sample Narrative:

OS: 7.4 at 21.8C

DUP: 7.42 at 22.2C

L1880841-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1880841-02 07/31/25 14:09 • (DUP) R4252282-3 07/31/25 14:09

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| su      | su              |            |          | %       |               | %              |
| pH      | 8.70            | 8.68       | 1        | 0.230   |               | 1              |

Sample Narrative:

OS: 8.7 at 21.7C

DUP: 8.68 at 21.8C

Laboratory Control Sample (LCS)

(LCS) R4252282-1 07/31/25 14:09

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

Sample Narrative:

LCS: 9.95 at 21.5C

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4252980-1 08/01/25 17:45

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

Sample Narrative:

BLANK: at 25C

L1880183-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1880183-02 08/01/25 17:45 • (DUP) R4252980-3 08/01/25 17:45

| Analyte              | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------------------|-----------------|------------|----------|---------|---------------|----------------|
| Specific Conductance | 3.13            | 3.11       | 1        | 0.641   |               | 20             |

Sample Narrative:

OS: at 25C

DUP: at 25C

L1880183-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1880183-19 08/01/25 17:45 • (DUP) R4252980-4 08/01/25 17:45

| Analyte              | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------------------|-----------------|------------|----------|---------|---------------|----------------|
| Specific Conductance | 0.711           | 0.711      | 1        | 0.000   |               | 20             |

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4252980-2 08/01/25 17:45

| Analyte              | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------------------|--------------|------------|----------|-------------|---------------|
| Specific Conductance | 0.581        | 0.584      | 101      | 90.0-110    |               |

Sample Narrative:

LCS: at 25C



Method Blank (MB)

(MB) R4252942-1 08/01/25 16:35

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

Sample Narrative:

BLANK: at 25C

L1880183-39 Original Sample (OS) • Duplicate (DUP)

(OS) L1880183-39 08/01/25 16:35 • (DUP) R4252942-3 08/01/25 16:35

| Analyte              | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------------------|-----------------|------------|----------|---------|---------------|----------------|
| Specific Conductance | 2.56            | 2.58       | 1        | 0.623   |               | 20             |

Sample Narrative:

OS: at 25C

DUP: at 25C

L1880282-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1880282-02 08/01/25 16:35 • (DUP) R4252942-4 08/01/25 16:35

| Analyte              | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------------------|-----------------|------------|----------|---------|---------------|----------------|
| Specific Conductance | 0.173           | 0.172      | 1        | 0.232   |               | 20             |

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4252942-2 08/01/25 16:35

| Analyte              | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------------------|--------------|------------|----------|-------------|---------------|
| Specific Conductance | 0.581        | 0.577      | 99.3     | 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) R4252935-1 08/01/25 16:00

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

Sample Narrative:

BLANK: at 25C

L1880183-42 Original Sample (OS) • Duplicate (DUP)

(OS) L1880183-42 08/01/25 16:00 • (DUP) R4252935-3 08/01/25 16:00

| Analyte              | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------------------|-----------------|------------|----------|---------|---------------|----------------|
| Specific Conductance | 1.17            | 1.17       | 1        | 0.171   |               | 20             |

Sample Narrative:

OS: at 25C

DUP: at 25C

L1880257-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1880257-06 08/01/25 16:00 • (DUP) R4252935-4 08/01/25 16:00

| Analyte              | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------------------|-----------------|------------|----------|---------|---------------|----------------|
| Specific Conductance | 1.29            | 1.28       | 1        | 0.390   |               | 20             |

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4252935-2 08/01/25 16:00

| Analyte              | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------------------|--------------|------------|----------|-------------|---------------|
| Specific Conductance | 0.581        | 0.581      | 100      | 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) R4251264-1 07/29/25 19:42

| Analyte              | MB Result<br>mg/l | MB Qualifier | MB MDL<br>mg/l | MB RDL<br>mg/l |
|----------------------|-------------------|--------------|----------------|----------------|
| Hot Water Sol. Boron | U                 |              | 0.0199         | 0.100          |

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

(LCS) R4251264-2 07/29/25 19:46 • (LCSD) R4251264-3 07/29/25 19:49

| Analyte              | Spike Amount<br>mg/l | LCS Result<br>mg/l | LCSD Result<br>mg/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Hot Water Sol. Boron | 1.00                 | 0.919              | 0.910               | 91.9          | 91.0           | 80.0-120         |               |                | 0.944    | 20              |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R4256313-1 08/09/25 01:27

| Analyte  | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>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            |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

Laboratory Control Sample (LCS)

(LCS) R4256313-2 08/09/25 01:30

| Analyte  | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------|-----------------------|---------------------|---------------|------------------|---------------|
| Arsenic  | 100                   | 83.8                | 83.8          | 80.0-120         |               |
| Barium   | 100                   | 83.9                | 83.9          | 80.0-120         |               |
| Cadmium  | 100                   | 88.5                | 88.5          | 80.0-120         |               |
| Copper   | 100                   | 83.4                | 83.4          | 80.0-120         |               |
| Lead     | 100                   | 82.6                | 82.6          | 80.0-120         |               |
| Nickel   | 100                   | 84.3                | 84.3          | 80.0-120         |               |
| Selenium | 100                   | 85.9                | 85.9          | 80.0-120         |               |
| Silver   | 20.0                  | 18.0                | 89.9          | 80.0-120         |               |
| Zinc     | 100                   | 83.7                | 83.7          | 80.0-120         |               |

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L1880183-41 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1880183-41 08/09/25 01:34 • (MS) R4256313-5 08/09/25 01:43 • (MSD) R4256313-6 08/09/25 01:46

| Analyte  | Spike Amount<br>mg/kg | Original Result<br>mg/kg | MS Result<br>mg/kg | MSD Result<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Arsenic  | 100                   | 3.57                     | 111                | 104                 | 107          | 100           | 5        | 75.0-125         |              |               | 6.65     | 20              |
| Barium   | 100                   | 113                      | 215                | 208                 | 102          | 94.6          | 5        | 75.0-125         |              |               | 3.63     | 20              |
| Cadmium  | 100                   | 0.180                    | 107                | 101                 | 107          | 101           | 5        | 75.0-125         |              |               | 5.93     | 20              |
| Copper   | 100                   | 11.8                     | 115                | 115                 | 103          | 103           | 5        | 75.0-125         |              |               | 0.540    | 20              |
| Lead     | 100                   | 10.6                     | 113                | 108                 | 103          | 96.9          | 5        | 75.0-125         |              |               | 5.11     | 20              |
| Nickel   | 100                   | 11.6                     | 119                | 111                 | 108          | 99.9          | 5        | 75.0-125         |              |               | 6.80     | 20              |
| Selenium | 100                   | 0.390                    | 107                | 99.7                | 107          | 99.3          | 5        | 75.0-125         |              |               | 7.45     | 20              |
| Silver   | 20.0                  | ND                       | 21.4               | 20.6                | 107          | 103           | 5        | 75.0-125         |              |               | 3.49     | 20              |
| Zinc     | 100                   | ND                       | 158                | 147                 | 158          | 147           | 5        | 75.0-125         | <u>J5</u>    | <u>J5</u>     | 7.14     | 20              |

Method Blank (MB)

(MB) R4256437-1 08/09/25 20:03

| Analyte  | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>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            |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

Laboratory Control Sample (LCS)

(LCS) R4256437-2 08/09/25 20:06

| Analyte  | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------|-----------------------|---------------------|---------------|------------------|---------------|
| Arsenic  | 100                   | 109                 | 109           | 80.0-120         |               |
| Barium   | 100                   | 103                 | 103           | 80.0-120         |               |
| Cadmium  | 100                   | 113                 | 113           | 80.0-120         |               |
| Copper   | 100                   | 109                 | 109           | 80.0-120         |               |
| Lead     | 100                   | 105                 | 105           | 80.0-120         |               |
| Nickel   | 100                   | 112                 | 112           | 80.0-120         |               |
| Selenium | 100                   | 106                 | 106           | 80.0-120         |               |
| Silver   | 20.0                  | 21.8                | 109           | 80.0-120         |               |
| Zinc     | 100                   | 110                 | 110           | 80.0-120         |               |

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L1880233-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1880233-01 08/09/25 20:09 • (MS) R4256437-5 08/09/25 20:19 • (MSD) R4256437-6 08/09/25 20:22

| Analyte  | Spike Amount<br>mg/kg | Original Result<br>mg/kg | MS Result<br>mg/kg | MSD Result<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Arsenic  | 100                   | 1.46                     | 97.9               | 97.3                | 96.5         | 95.9          | 5        | 75.0-125         |              |               | 0.632    | 20              |
| Barium   | 100                   | 22.4                     | 118                | 116                 | 95.1         | 93.9          | 5        | 75.0-125         |              |               | 1.01     | 20              |
| Cadmium  | 100                   | ND                       | 98.0               | 97.2                | 98.0         | 97.2          | 5        | 75.0-125         |              |               | 0.758    | 20              |
| Copper   | 100                   | ND                       | 96.8               | 97.0                | 96.8         | 97.0          | 5        | 75.0-125         |              |               | 0.206    | 20              |
| Lead     | 100                   | ND                       | 97.0               | 96.0                | 97.0         | 96.0          | 5        | 75.0-125         |              |               | 0.990    | 20              |
| Nickel   | 100                   | ND                       | 99.3               | 97.5                | 99.3         | 97.5          | 5        | 75.0-125         |              |               | 1.86     | 20              |
| Selenium | 100                   | ND                       | 92.5               | 93.1                | 92.5         | 93.1          | 5        | 75.0-125         |              |               | 0.701    | 20              |
| Silver   | 20.0                  | ND                       | 19.7               | 19.8                | 98.4         | 99.0          | 5        | 75.0-125         |              |               | 0.547    | 20              |
| Zinc     | 100                   | ND                       | 106                | 103                 | 106          | 103           | 5        | 75.0-125         |              |               | 2.57     | 20              |

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

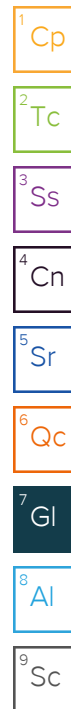
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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. |
| P1        | RPD value not applicable for sample concentrations less than 5 times the reporting limit.              |



# ACCREDITATIONS & LOCATIONS

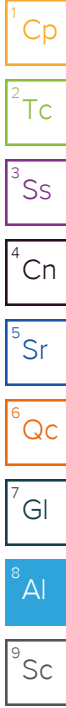
## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

|                               |             |                             |                  |
|-------------------------------|-------------|-----------------------------|------------------|
| 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 <sup>1</sup>     | TN00003          |
| Colorado                      | TN00003     | New York                    | 11742            |
| Connecticut                   | PH-0197     | North Carolina              | Env375           |
| Florida                       | E87487      | North Carolina <sup>1</sup> | DW21704          |
| Georgia                       | NELAP       | North Carolina <sup>3</sup> | 41               |
| Georgia <sup>1</sup>          | 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 <sup>1,6</sup>       | KY90010     | South Carolina              | 84004002         |
| Kentucky <sup>2</sup>         | 16          | South Dakota                | n/a              |
| Louisiana                     | AI30792     | Tennessee <sup>1,4</sup>    | 2006             |
| Louisiana                     | LA018       | Texas                       | T104704245-20-18 |
| Maine                         | TN00003     | Texas <sup>5</sup>          | 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 <sup>5</sup> | 1461.02     | DOD                         | 1461.01          |
| Canada                        | 1461.01     | USDA                        | P330-15-00234    |
| EPA–Crypto                    | TN00003     |                             |                  |

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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

Pres  
 Chk

Analysis / Container / Preservative

Chain of Custody Page \_\_\_ of \_\_\_



**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.pacejobs.com/hubs/pas-standard-terms.pdf>

Lab # **W880755**  
**K023**

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

Shipped Via: **FedEX Ground**

Report to:  
**CDH Team 970-304-5000**

Email To: **danpeterson@chevron.com; CVX-PM@cdhconsult.com; jason.davidson@chevron.**

Project Description:

**Novacek C28-27D**

City/State Collected:

Please Circle:  
 PT MT CT ET

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

Client Project #

Lab Project #  
**CHEGCO-CDH**

Collected by (print):

*Simon Hertler Cascho*

Site/Facility ID #

P.O. #

Collected by (signature):

*Simon Hertler Cascho*

**Rush?** (Lab MUST Be Notified)

\_\_\_ Same Day \_\_\_ Five Day  
 \_\_\_ Next Day \_\_\_ 5 Day (Rad Only)  
 \_\_\_ Two Day \_\_\_ 10 Day (Rad Only)  
 \_\_\_ Three Day  STD TAT

Quote #

Date Results Needed

No.  
 of  
 Cntrs

Packed on ice N \_\_\_ Y

Sample ID

Comp/Grab

Matrix \*

Depth

Date

Time

Full TABLE915 4ozClr-NoPres

TABLE915BG 4ozClr-NoPres

| Sample ID | Comp/Grab | Matrix * | Depth | Date    | Time | No. of Cntrs | Full TABLE915 4ozClr-NoPres | TABLE915BG 4ozClr-NoPres |
|-----------|-----------|----------|-------|---------|------|--------------|-----------------------------|--------------------------|
| BKG01e4'  | Grab      | SS       | 4'    | 7/18/25 | 1050 | 2            |                             | X                        |
| BKG01e6'  | Grab      | SS       | 6'    | 7/18/25 | 1056 | 2            |                             | X                        |
| BKG02e4'  | Grab      | S        | 4'    | 7/18/25 | 1100 | 2            |                             | X                        |
| BKG02e6'  | Grab      | S        | 6'    | 7/18/25 | 1107 | 2            |                             | X                        |
| BKG03e4'  | Grab      | S        | 4'    | 7/18/25 | 1115 | 2            |                             | X                        |
| BKG03e6'  | Grab      | S        | 6'    | 7/18/25 | 1121 | 2            |                             | X                        |

91  
93  
97  
01  
05  
see

\* 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: ___ NP | <input checked="" type="checkbox"/> Y ___ N |
| COC Signed/Accurate:            | <input checked="" type="checkbox"/> Y ___ N |
| Bottles arrive intact:          | <input checked="" type="checkbox"/> Y ___ N |
| Correct bottles used:           | <input checked="" type="checkbox"/> Y ___ N |
| Sufficient volume sent:         | <input checked="" type="checkbox"/> Y ___ N |
| If Applicable                   |   |
| VOA Zero Headspace:             | <input checked="" type="checkbox"/> Y ___ N |
| Preservation Correct/Checked:   | <input checked="" type="checkbox"/> Y ___ N |
| RAD Screen <0.5 mR/hr:          | <input checked="" type="checkbox"/> Y ___ N |

Samples returned via:

\_\_\_ UPS \_\_\_ FedEx \_\_\_ Courier

Tracking #

Relinquished by: (Signature)

*Simon Hertler Cascho*

Date:

7/18/25

Time:

1555

Received by: (Signature)

*[Signature]*

Trip Blank Received: Yes/No  
 HCL/MeOH  
 TBR

Temp: °C Bottles Received: 2

7/19/25 2.1 + 0.1 = 2.0

If preservation required by Login: Date/Time

Relinquished by: (Signature)

*[Signature]*

Date:

07/18/25

Time:

1800

Received by: (Signature)

*[Signature]*

Date: 7/19/25

Time: 9:00am

Hold:

Condition:  
 NCF / OK

Relinquished by: (Signature)

*[Signature]*

Date:

Time:

Received for lab by: (Signature)

*Shelley Pramer*

Date: 7/19/25

Time: 9:00am