

QB Energy

Sample Delivery Group: L1868054
Samples Received: 06/10/2025
Project Number:
Description: J14 Drilling Mud Release
Site: ELU J14 496
Report To: Jake J. / Brett M. / Blair R. / Andy V.
143 Diamond Avenue
Parachute, CO 81635

Entire Report Reviewed By:



Tony Gibson
Project Manager

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¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

SAMPLE SUMMARY

20250606-ELU J14 496-(NW01)@1 L1868054-01

Collected by Marisa Michalski
 Collected date/time 06/06/25 13:10
 Received date/time 06/10/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG2538066 | 1 | 06/18/25 16:50 | 06/18/25 16:50 | JTM | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D | WG2541189 | 1 | 06/18/25 10:26 | 06/18/25 21:50 | CJW | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B-NE493 Ch 2 | WG2538208 | 1 | 06/16/25 15:14 | 06/17/25 17:45 | BAG | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2538503 | 50 | 06/15/25 22:33 | 06/24/25 18:49 | LD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D | WG2538861 | 1 | 06/11/25 10:43 | 06/15/25 20:48 | CDD | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG2540781 | 5 | 06/18/25 11:20 | 06/19/25 16:25 | MAA | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

20250606-ELU J14 496-(NW02)@1 L1868054-02

Collected by Marisa Michalski
 Collected date/time 06/06/25 13:20
 Received date/time 06/10/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG2538066 | 1 | 06/18/25 16:53 | 06/18/25 16:53 | JTM | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D | WG2541189 | 1 | 06/18/25 10:26 | 06/18/25 21:50 | CJW | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B-NE493 Ch 2 | WG2538208 | 1 | 06/16/25 15:14 | 06/17/25 17:48 | BAG | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2538503 | 10 | 06/15/25 22:33 | 06/24/25 19:24 | LD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D | WG2538861 | 1 | 06/11/25 10:43 | 06/15/25 21:12 | CDD | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG2540781 | 1 | 06/18/25 11:20 | 06/19/25 13:30 | MAA | Mt. Juliet, TN |

20250606-ELU J14 496-(EW01)@1 L1868054-03

Collected by Marisa Michalski
 Collected date/time 06/06/25 13:30
 Received date/time 06/10/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG2538066 | 1 | 06/18/25 16:55 | 06/18/25 16:55 | JTM | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D | WG2541189 | 1 | 06/18/25 10:26 | 06/18/25 21:50 | CJW | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B-NE493 Ch 2 | WG2538208 | 1 | 06/16/25 15:14 | 06/17/25 17:51 | BAG | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2538503 | 20 | 06/15/25 22:33 | 06/24/25 19:28 | LD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D | WG2538861 | 1 | 06/11/25 10:43 | 06/15/25 21:36 | CDD | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG2540781 | 1 | 06/18/25 11:20 | 06/19/25 14:42 | MAA | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG2540781 | 5 | 06/18/25 11:20 | 06/19/25 17:39 | MAA | Mt. Juliet, TN |

20250606-ELU J14 496-(SW01)@1 L1868054-04

Collected by Marisa Michalski
 Collected date/time 06/06/25 12:35
 Received date/time 06/10/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG2538066 | 1 | 06/18/25 16:58 | 06/18/25 16:58 | JTM | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D | WG2541189 | 1 | 06/18/25 10:26 | 06/18/25 21:50 | CJW | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B-NE493 Ch 2 | WG2538208 | 1 | 06/16/25 15:14 | 06/17/25 17:54 | BAG | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2538503 | 10 | 06/15/25 22:33 | 06/24/25 19:31 | LD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D | WG2538861 | 1 | 06/11/25 10:43 | 06/15/25 21:59 | CDD | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG2540781 | 1 | 06/18/25 11:20 | 06/19/25 14:13 | MAA | Mt. Juliet, TN |

20250606-ELU J14 496-(SW02)@1 L1868054-05

Collected by Marisa Michalski
 Collected date/time 06/06/25 12:50
 Received date/time 06/10/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG2538066 | 1 | 06/18/25 17:01 | 06/18/25 17:01 | JTM | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D | WG2541189 | 1 | 06/18/25 10:26 | 06/18/25 21:50 | CJW | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B-NE493 Ch 2 | WG2538208 | 1 | 06/16/25 15:14 | 06/17/25 17:57 | BAG | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2538503 | 5 | 06/15/25 22:33 | 06/24/25 18:32 | LD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D | WG2538861 | 1 | 06/11/25 10:43 | 06/15/25 22:23 | CDD | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG2540781 | 1 | 06/18/25 11:20 | 06/19/25 13:44 | MAA | Mt. Juliet, TN |

SAMPLE SUMMARY

20250606-ELU J14 496-(WW01)@1 L1868054-06

Collected by: Marisa Michalski
 Collected date/time: 06/06/25 12:20
 Received date/time: 06/10/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG2538066 | 1 | 06/18/25 17:04 | 06/18/25 17:04 | JTM | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D | WG2541189 | 1 | 06/18/25 10:26 | 06/18/25 21:50 | CJW | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B-NE493 Ch 2 | WG2538208 | 1 | 06/16/25 15:14 | 06/17/25 18:00 | BAG | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2538503 | 20 | 06/15/25 22:33 | 06/24/25 19:34 | LD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D | WG2538861 | 1 | 06/11/25 10:43 | 06/15/25 22:46 | CDD | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG2540781 | 5 | 06/18/25 11:20 | 06/19/25 16:10 | MAA | Mt. Juliet, TN |



20250606-ELU J14 496-(BASE01)@1 L1868054-07

Collected by: Marisa Michalski
 Collected date/time: 06/06/25 13:35
 Received date/time: 06/10/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG2538066 | 1 | 06/18/25 17:07 | 06/18/25 17:07 | JTM | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D | WG2541189 | 1 | 06/18/25 10:26 | 06/18/25 21:50 | CJW | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B-NE493 Ch 2 | WG2538208 | 1 | 06/16/25 15:14 | 06/17/25 15:11 | BAG | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2538503 | 5 | 06/15/25 22:33 | 06/24/25 18:39 | LD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D | WG2538861 | 1 | 06/11/25 10:43 | 06/15/25 23:09 | CDD | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG2540781 | 1 | 06/18/25 11:20 | 06/19/25 13:59 | MAA | Mt. Juliet, TN |

20250606-ELU J14 496-(BASE02)@1 L1868054-08

Collected by: Marisa Michalski
 Collected date/time: 06/06/25 13:45
 Received date/time: 06/10/25 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG2538066 | 1 | 06/18/25 17:10 | 06/18/25 17:10 | JTM | Mt. Juliet, TN |
| Wet Chemistry by Method 9045D | WG2541189 | 1 | 06/18/25 10:26 | 06/18/25 21:50 | CJW | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B-NE493 Ch 2 | WG2538208 | 1 | 06/16/25 15:14 | 06/17/25 15:14 | BAG | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B | WG2538503 | 5 | 06/15/25 22:33 | 06/24/25 18:42 | LD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D | WG2538868 | 1 | 06/11/25 10:43 | 06/15/25 23:00 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015M | WG2540781 | 1 | 06/18/25 11:20 | 06/19/25 13:15 | MAA | 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.



Tony Gibson
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Calculated Results

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 3.73 | | 1 | 06/18/2025 16:50 | WG2538066 |

Wet Chemistry by Method 9045D

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|---------|--------|-----------|----------|----------------------|---------------------------|
| pH | 8.47 | | 1 | 06/18/2025 21:50 | WG2541189 |

Sample Narrative:

L1868054-01 WG2541189: 8.47 at 24.3C

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------|--------|-----------|-------|----------|----------------------|---------------------------|
| Hot Water Sol. Boron | 0.701 | | 0.200 | 1 | 06/17/2025 17:45 | WG2538208 |

Metals (ICPMS) by Method 6020B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------|--------|-----------|-----|----------|----------------------|---------------------------|
| Barium | 9810 | | 100 | 50 | 06/24/2025 18:49 | WG2538503 |

Volatile Organic Compounds (GC) by Method 8015D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---|--------|-----------|----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | ND | | 0.100 | 1 | 06/15/2025 20:48 | WG2538861 |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 93.8 | | 77.0-120 | | 06/15/2025 20:48 | WG2538861 |

Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 66.3 | | 20.0 | 5 | 06/19/2025 16:25 | WG2540781 |
| C28-C36 Motor Oil Range | 195 | | 20.0 | 5 | 06/19/2025 16:25 | WG2540781 |
| (S) <i>o</i> -Terphenyl | 110 | | 18.0-148 | | 06/19/2025 16:25 | WG2540781 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 3.70 | | 1 | 06/18/2025 16:53 | WG2538066 |

Wet Chemistry by Method 9045D

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|---------|--------|-----------|----------|----------------------|---------------------------|
| pH | 8.10 | | 1 | 06/18/2025 21:50 | WG2541189 |

Sample Narrative:

L1868054-02 WG2541189: 8.1 at 23.3C

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------|--------|-----------|-------|----------|----------------------|---------------------------|
| Hot Water Sol. Boron | 0.921 | | 0.200 | 1 | 06/17/2025 17:48 | WG2538208 |

Metals (ICPMS) by Method 6020B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Barium | 4730 | | 20.0 | 10 | 06/24/2025 19:24 | WG2538503 |

Volatile Organic Compounds (GC) by Method 8015D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---|--------|-----------|----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | ND | | 0.100 | 1 | 06/15/2025 21:12 | WG2538861 |
| (S) <i>a, a, a</i> -Trifluorotoluene(FID) | 96.2 | | 77.0-120 | | 06/15/2025 21:12 | WG2538861 |

Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 16.0 | | 4.00 | 1 | 06/19/2025 13:30 | WG2540781 |
| C28-C36 Motor Oil Range | 52.9 | | 4.00 | 1 | 06/19/2025 13:30 | WG2540781 |
| (S) <i>o</i> -Terphenyl | 52.7 | | 18.0-148 | | 06/19/2025 13:30 | WG2540781 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 2.85 | | 1 | 06/18/2025 16:55 | WG2538066 |

Wet Chemistry by Method 9045D

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|---------|--------|-----------|----------|----------------------|---------------------------|
| pH | 8.70 | | 1 | 06/18/2025 21:50 | WG2541189 |

Sample Narrative:

L1868054-03 WG2541189: 8.7 at 23.3C

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------|--------|-----------|-------|----------|----------------------|---------------------------|
| Hot Water Sol. Boron | 2.36 | | 0.200 | 1 | 06/17/2025 17:51 | WG2538208 |

Metals (ICPMS) by Method 6020B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Barium | 7320 | | 40.0 | 20 | 06/24/2025 19:28 | WG2538503 |

Volatile Organic Compounds (GC) by Method 8015D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---|--------|-----------|----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | ND | | 0.100 | 1 | 06/15/2025 21:36 | WG2538861 |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 95.2 | | 77.0-120 | | 06/15/2025 21:36 | WG2538861 |

Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 59.9 | | 4.00 | 1 | 06/19/2025 14:42 | WG2540781 |
| C28-C36 Motor Oil Range | 153 | | 20.0 | 5 | 06/19/2025 17:39 | WG2540781 |
| (S) <i>o</i> -Terphenyl | 91.3 | | 18.0-148 | | 06/19/2025 17:39 | WG2540781 |
| (S) <i>o</i> -Terphenyl | 116 | | 18.0-148 | | 06/19/2025 14:42 | WG2540781 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 3.84 | | 1 | 06/18/2025 16:58 | WG2538066 |

Wet Chemistry by Method 9045D

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|---------|--------|-----------|----------|----------------------|---------------------------|
| pH | 8.46 | | 1 | 06/18/2025 21:50 | WG2541189 |

Sample Narrative:

L1868054-04 WG2541189: 8.46 at 22.8C

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------|--------|-----------|-------|----------|----------------------|---------------------------|
| Hot Water Sol. Boron | 2.92 | | 0.200 | 1 | 06/17/2025 17:54 | WG2538208 |

Metals (ICPMS) by Method 6020B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Barium | 5410 | | 20.0 | 10 | 06/24/2025 19:31 | WG2538503 |

Volatile Organic Compounds (GC) by Method 8015D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---|--------|-----------|----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | ND | | 0.100 | 1 | 06/15/2025 21:59 | WG2538861 |
| (S) <i>a, a, a</i> -Trifluorotoluene(FID) | 94.7 | | 77.0-120 | | 06/15/2025 21:59 | WG2538861 |

Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 34.0 | | 4.00 | 1 | 06/19/2025 14:13 | WG2540781 |
| C28-C36 Motor Oil Range | 116 | | 4.00 | 1 | 06/19/2025 14:13 | WG2540781 |
| (S) <i>o</i> -Terphenyl | 90.5 | | 18.0-148 | | 06/19/2025 14:13 | WG2540781 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 2.45 | | 1 | 06/18/2025 17:01 | WG2538066 |

Wet Chemistry by Method 9045D

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|---------|--------|-----------|----------|----------------------|---------------------------|
| pH | 8.31 | | 1 | 06/18/2025 21:50 | WG2541189 |

Sample Narrative:

L1868054-05 WG2541189: 8.31 at 22.7C

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------|--------|-----------|-------|----------|----------------------|---------------------------|
| Hot Water Sol. Boron | 0.725 | | 0.200 | 1 | 06/17/2025 17:57 | WG2538208 |

Metals (ICPMS) by Method 6020B

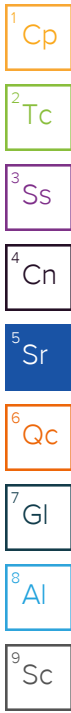
| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Barium | 2530 | | 10.0 | 5 | 06/24/2025 18:32 | WG2538503 |

Volatile Organic Compounds (GC) by Method 8015D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---|--------|-----------|----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | ND | | 0.100 | 1 | 06/15/2025 22:23 | WG2538861 |
| (S) <i>a, a, a</i> -Trifluorotoluene(FID) | 95.4 | | 77.0-120 | | 06/15/2025 22:23 | WG2538861 |

Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 9.06 | | 4.00 | 1 | 06/19/2025 13:44 | WG2540781 |
| C28-C36 Motor Oil Range | 33.1 | | 4.00 | 1 | 06/19/2025 13:44 | WG2540781 |
| (S) <i>o</i> -Terphenyl | 82.5 | | 18.0-148 | | 06/19/2025 13:44 | WG2540781 |



Calculated Results

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 3.81 | | 1 | 06/18/2025 17:04 | WG2538066 |

Wet Chemistry by Method 9045D

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|---------|--------|-----------|----------|----------------------|---------------------------|
| pH | 8.02 | | 1 | 06/18/2025 21:50 | WG2541189 |

Sample Narrative:

L1868054-06 WG2541189: 8.02 at 22.9C

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------|--------|-----------|-------|----------|----------------------|---------------------------|
| Hot Water Sol. Boron | 5.28 | | 0.200 | 1 | 06/17/2025 18:00 | WG2538208 |

Metals (ICPMS) by Method 6020B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Barium | 8750 | | 40.0 | 20 | 06/24/2025 19:34 | WG2538503 |

Volatile Organic Compounds (GC) by Method 8015D

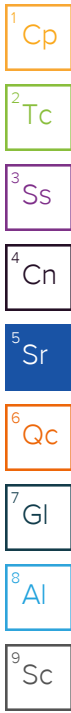
| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | ND | | 0.100 | 1 | 06/15/2025 22:46 | WG2538861 |
| (S) a,a,a-Trifluorotoluene(FID) | 94.3 | | 77.0-120 | | 06/15/2025 22:46 | WG2538861 |

Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|-------------------------|--------|--------------------|----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 107 | | 20.0 | 5 | 06/19/2025 16:10 | WG2540781 |
| C28-C36 Motor Oil Range | 265 | | 20.0 | 5 | 06/19/2025 16:10 | WG2540781 |
| (S) o-Terphenyl | 162 | J1 | 18.0-148 | | 06/19/2025 16:10 | WG2540781 |

Sample Narrative:

L1868054-06 WG2540781: Surrogate failure due to matrix interference.



Calculated Results

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 3.11 | | 1 | 06/18/2025 17:07 | WG2538066 |

Wet Chemistry by Method 9045D

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|---------|--------|-----------|----------|----------------------|---------------------------|
| pH | 8.20 | | 1 | 06/18/2025 21:50 | WG2541189 |

Sample Narrative:

L1868054-07 WG2541189: 8.2 at 22.8C

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------|--------|-----------|-------|----------|----------------------|---------------------------|
| Hot Water Sol. Boron | 0.336 | | 0.200 | 1 | 06/17/2025 15:11 | WG2538208 |

Metals (ICPMS) by Method 6020B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Barium | 844 | | 10.0 | 5 | 06/24/2025 18:39 | WG2538503 |

Volatile Organic Compounds (GC) by Method 8015D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---|--------|-----------|----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | ND | | 0.100 | 1 | 06/15/2025 23:09 | WG2538861 |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 97.6 | | 77.0-120 | | 06/15/2025 23:09 | WG2538861 |

Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | ND | | 4.00 | 1 | 06/19/2025 13:59 | WG2540781 |
| C28-C36 Motor Oil Range | 22.3 | | 4.00 | 1 | 06/19/2025 13:59 | WG2540781 |
| (S) <i>o</i> -Terphenyl | 61.8 | | 18.0-148 | | 06/19/2025 13:59 | WG2540781 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------------------|-----------|
| Sodium Adsorption Ratio | 2.81 | | 1 | 06/18/2025 17:10 | WG2538066 |

Wet Chemistry by Method 9045D

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|---------|--------|-----------|----------|----------------------|---------------------------|
| pH | 8.17 | | 1 | 06/18/2025 21:50 | WG2541189 |

Sample Narrative:

L1868054-08 WG2541189: 8.17 at 22.8C

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------|--------|-----------|-------|----------|----------------------|---------------------------|
| Hot Water Sol. Boron | 0.656 | | 0.200 | 1 | 06/17/2025 15:14 | WG2538208 |

Metals (ICPMS) by Method 6020B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------|--------|-----------|------|----------|----------------------|---------------------------|
| Barium | 2740 | | 10.0 | 5 | 06/24/2025 18:42 | WG2538503 |

Volatile Organic Compounds (GC) by Method 8015D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---|--------|-----------|----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | ND | | 0.100 | 1 | 06/15/2025 23:00 | WG2538868 |
| (S) <i>a, a, a</i> -Trifluorotoluene(FID) | 97.1 | | 77.0-120 | | 06/15/2025 23:00 | WG2538868 |

Semi-Volatile Organic Compounds (GC) by Method 8015M

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|-------------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 5.25 | | 4.00 | 1 | 06/19/2025 13:15 | WG2540781 |
| C28-C36 Motor Oil Range | 21.4 | | 4.00 | 1 | 06/19/2025 13:15 | WG2540781 |
| (S) <i>o</i> -Terphenyl | 45.7 | | 18.0-148 | | 06/19/2025 13:15 | WG2540781 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1868029-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1868029-01 06/18/25 21:50 • (DUP) R4232562-2 06/18/25 21:50

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| pH | 8.44 | 8.45 | 1 | 0.118 | | 1 |

Sample Narrative:

OS: 8.44 at 23.9C
 DUP: 8.45 at 24.1C

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1868059-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1868059-01 06/18/25 21:50 • (DUP) R4232562-3 06/18/25 21:50

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| pH | 8.29 | 8.29 | 1 | 0.000 | | 1 |

Sample Narrative:

OS: 8.29 at 22.8C
 DUP: 8.29 at 23.1C

Laboratory Control Sample (LCS)

(LCS) R4232562-1 06/18/25 21:50

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

Sample Narrative:

LCS: 10 at 23.1C

Method Blank (MB)

(MB) R4231932-1 06/17/25 16:59

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

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

(LCS) R4231932-2 06/17/25 17:02 • (LCSD) R4231932-3 06/17/25 17:05

| 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 | 0.970 | 1.03 | 97.0 | 103 | 80.0-120 | | | 6.35 | 20 |

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

Method Blank (MB)

(MB) R4235526-7 06/24/25 17:39

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------|--------------------|--------------|-----------------|-----------------|
| Barium | U | | 10.0 | 10.0 |

¹Cp

²Tc

³Ss

Laboratory Control Sample (LCS)

(LCS) R4235526-2 06/24/25 16:57

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------|-----------------------|---------------------|---------------|------------------|---------------|
| Barium | 100 | 98.6 | 98.6 | 80.0-120 | |

⁴Cn

⁵Sr

L1867690-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867690-07 06/24/25 17:43 • (MS) R4235526-5 06/24/25 17:10 • (MSD) R4235526-6 06/24/25 17:14

| 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 % |
|---------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Barium | 100 | 138 | 209 | 218 | 70.5 | 79.7 | 5 | 75.0-125 | <u>J6</u> | | 4.32 | 20 |

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4231470-2 06/15/25 13:13

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | U | | 0.0800 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 99.8 | | | 77.0-120 |

Laboratory Control Sample (LCS)

(LCS) R4231470-1 06/15/25 14:18

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction | 5.00 | 3.66 | 73.2 | 72.0-127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 105 | 77.0-120 | |

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

Method Blank (MB)

(MB) R4230799-3 06/15/25 18:07

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | U | | 0.0800 | 0.100 |
| ^(S) a,a,a-Trifluorotoluene(FID) | 99.1 | | | 77.0-120 |

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

(LCS) R4230799-1 06/15/25 16:57 • (LCSD) R4230799-2 06/15/25 17:21

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCSD Result mg/kg | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| TPH (GC/FID) Low Fraction | 5.00 | 5.34 | 4.81 | 107 | 96.2 | 72.0-127 | | | 10.4 | 20 |
| ^(S) a,a,a-Trifluorotoluene(FID) | | | | 109 | 109 | 77.0-120 | | | | |

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

Method Blank (MB)

(MB) R4232900-1 06/19/25 06:46

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|-------------------------|--------------------|--------------|-----------------|-----------------|
| C10-C28 Diesel Range | U | | 1.61 | 4.00 |
| C28-C36 Motor Oil Range | 0.592 | J | 0.274 | 4.00 |
| (S) o-Terphenyl | 95.5 | | | 18.0-148 |

Laboratory Control Sample (LCS)

(LCS) R4232900-2 06/19/25 07:33

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0 | 42.0 | 84.0 | 50.0-150 | |
| (S) o-Terphenyl | | | 95.2 | 18.0-148 | |

L1868087-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1868087-05 06/19/25 08:02 • (MS) R4232900-3 06/19/25 08:48 • (MSD) R4232900-4 06/19/25 09:22

| 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 % |
|----------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 46.6 | 1010 | 1040 | 1290 | 61.3 | 574 | 100 | 50.0-150 | | J3 V | 21.5 | 20 |
| (S) o-Terphenyl | | | | | 0.000 | 0.000 | | 18.0-148 | J7 | J7 | | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

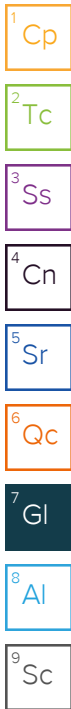
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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. |
| (S) | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media. |
| 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 |
|-----------|---|
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| J1 | Surrogate recovery limits have been exceeded; values are outside upper control limits. |
| 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. |
| J7 | Surrogate recovery cannot be used for control limit evaluation due to dilution. |
| V | The sample concentration is too high to evaluate accurate spike recoveries. |



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



CHAIN-OF-CUSTODY Analytical Request Document

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>
Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here **E205**

Company: QB Energy Operating, LLC. Billing Information: Info on file

Address: Info on file

Report To: Jake Janicek, Brett Middleton, Blair Rollins, Andy Verbonitz, Derek Horn Email To: info on file

Copy To: NA Site Collection Info/Address: NA

Customer Project Name/Number: J14 Drilling Mud Release State: County/City: Time Zone Collected: CO / Rio Blanco []PT [X]MT []CT []ET

Phone: 724-809-5131 Site/Facility ID #: ELU J14 496 Compliance Monitoring? [] Yes [X] No

Email: marisa.michalski@confluence-cc.com

Collected By (print): Marisa Michalski Purchase Order #: NA DW PWS ID #: NA DW Location Code: NA Quote #: NA

Collected By (signature): *Marisa Michalski* Turnaround Date Required: Standard Immediately Packed on Ice: [X] Yes [] No Turnaround

Sample Disposal: [X] Dispose as appropriate [] Return [] Archive: Field Filtered (if applicable): [] Yes [] No [] Hold: Analysis: NA

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

| Customer Sample ID | Matrix * | Comp / Grab | Collected (or Composite Start) | | Composite End | | Res Cl | # of Ctns | Container Type: Plastic (P) or Glass (G) |
|---------------------------------|----------|-------------|--------------------------------|------|---------------|------|--------|-----------|--|
| | | | Date | Time | Date | Time | | | |
| 20250606-ELU J14 496-(NW01)@1 | SL | G | 6/6/2025 | 1310 | | | | 3 | G |
| 20250606-ELU J14 496-(NW02)@1 | SL | G | 6/6/2025 | 1320 | | | | 3 | G |
| 20250606-ELU J14 496-(EW01)@1 | SL | G | 6/6/2025 | 1330 | | | | 3 | G |
| 20250606-ELU J14 496-(SW01)@1 | SL | G | 6/6/2025 | 1235 | | | | 3 | G |
| 20250606-ELU J14 496-(SW02)@1 | SL | G | 6/6/2025 | 1250 | | | | 3 | G |
| 20250606-ELU J14 496-(WW01)@1 | SL | G | 6/6/2025 | 1220 | | | | 3 | G |
| 20250606-ELU J14 496-(BASE01)@1 | SL | G | 6/6/2025 | 1335 | | | | 3 | G |
| 20250606-ELU J14 496-(BASE02)@1 | SL | G | 6/6/2025 | 1345 | | | | 3 | G |

ALL BOLD OUTLINED AREAS are for LAB USE ONLY

Container Preservative Type ** Lab Project Manager: ** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

| Analyses | | | | | | | | | | Lab Profile/Line: | | |
|---------------------|-----|----|-------|--------|--|--|--|--|--|-------------------------------|-------------------------------|--------|
| TPH (ORO, GRO, DRO) | SAR | pH | Boron | Barium | | | | | | Lab Sample Receipt Checklist: | | |
| | | | | | | | | | | | Custody Seals Present/Intact | Y N NA |
| | | | | | | | | | | | Custody Signatures Present | Y N NA |
| | | | | | | | | | | | Collector Signature Present | Y N NA |
| | | | | | | | | | | | Bottles Intact | Y N NA |
| | | | | | | | | | | | Correct Bottles | Y N NA |
| | | | | | | | | | | | Sufficient Volume | Y N NA |
| | | | | | | | | | | | Samples Received on Ice | Y N NA |
| | | | | | | | | | | | VOA - Headspace Acceptable | Y N NA |
| | | | | | | | | | | | USDA Regulated Soils | Y N NA |
| | | | | | | | | | | | Samples in Holding Time | Y N NA |
| | | | | | | | | | | | Residual Chlorine Present | Y N NA |
| | | | | | | | | | | | Cl Strips: | |
| | | | | | | | | | | | Sample pH Acceptable | Y N NA |
| | | | | | | | | | | | pH Strips: | |
| | | | | | | | | | | | Sulfide Present | Y N NA |
| | | | | | | | | | | | Lead Acetate Strips: | |
| | | | | | | | | | | | LAB USE ONLY: L1868054 | |
| | | | | | | | | | | | Lab Sample # / Comments: | |

Customer Remarks / Special Conditions / Possible Hazards: Type of Ice Used: Wet Blue Dry None SHORT HOLDS PRESENT (<72 hours): Y N N/A

Packing Material Used: Lab Tracking #: **4622 5481 9314**

Radchem sample(s) screened (<500 cpm): Y N NA Samples received via: FEDEX UPS Client Courier Pace Courier

Relinquished by/Company: (Signature) *Marisa Michalski* Date/Time: **6/9/25 1600** Received by/Company: (Signature) Date/Time: **6-10-25/0900**

Relinquished by/Company: (Signature) *[Signature]* Date/Time: **6/9/25 1648** Received by/Company: (Signature) *Bi Stewart* Date/Time: **6-10-25/0900**

Relinquished by/Company: (Signature) Date/Time: Received by/Company: (Signature) Date/Time:

MTJL LAB USE ONLY Table #: Acctnum: Template: Prelogin: PM: PB: Trip Blank Received: Y N NA HCL MeOH TSP Other Non Conformance(s): YES / NO Page: 1 of: 1