

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

April 19, 2024

Jacob Whritenour

Tasman Geosciences

6855 W. 119th Ave.

Broomfield, CO 80020

RE: Noble - UNI UPR C 25-03 Flowline

Work Order #2402247

Enclosed are the results of analyses for samples received by Summit Scientific on 02/13/24 17:58. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Jacob Wood". The signature is written in a cursive style with a large initial "J" and a distinct "W".

Jacob Wood For Paul Shrewsbury

President



Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - UNI UPR C 25-03 Flowline

Project Number: UWRWE-A2186-ABN
Project Manager: Jacob Whritenour

Reported:
04/19/24 12:55

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| FL01-I@3' | 2402247-01 | Soil | 02/13/24 12:23 | 02/13/24 17:58 |

Summit Scientific

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Golden, CO 80403
303-277-9310

| | |
|---------|-------------|
| Lab ID | Page 1 of 1 |
| 2402247 | |

| | | |
|--|------------------------------------|---|
| Send Data To: | | Send Invoice To: |
| Client: Noble/Tasman | Project Manager: Jake Whritenour | Company: <i>Noble</i> |
| Address: 6855 W. 119th Ave. | E-Mail: Jwhritenour@tasman-geo.com | Project Name/Location: <i>UNI UPR C25-03 FLOWLINE</i> |
| City/State/Zip: Broomfield/CO/ 80020 | | AFE#: |
| Phone: 978-857-4408 | | PO/Billing Codes: |
| Sampler Name: <i>Kaitlin Steinfurt, Arden Franklin</i> | Project Number: | Contact: |

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | | Analysis Requested | | | | | | | Special Instructions | | | |
|----|--------------------|----------------|--------------|-----------------|--------------|------|-------------------------------------|-------|--------|-------------------------------------|----------------|--------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|------|--------------------------------|--|
| | | | | | HCl | HNO3 | None | Other | Water | Soil | Air-Canister # | Other | Metals - 915 | VOC - 915 | TPH - 915 | PAH - 915 | SAR, EC, pH | Boron - HWS | | HOLD | | |
| 1 | <i>FL01-1 @ 3'</i> | <i>2/13/24</i> | <i>1223</i> | <i>3</i> | | | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | SAR, EC, pH by saturated paste | |
| 2 | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | |
|---|---------------------------------|-------------------------------------|---------------------------------|-------------------|---|--------|
| Relinquished by: <i>[Signature]</i> | Date/Time: <i>02/13/24 1751</i> | Received by: Tasman Lock Box | Date/Time: <i>02/13/24 1751</i> | TAT Business Days | Field DO | Notes: |
| | | | | Same Day | Field EC | |
| Relinquished by: <i>Tasman Lock Box</i> | Date/Time: <i>2/13/24 1758</i> | Received by: <i>[Signature]</i> | Date/Time: <i>2/13/24 1758</i> | 1 Day | Field ORP | |
| | | | | 2 Days | Field pH | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | 3 Days | Field Temp. | |
| | | | | Standard | <input checked="" type="checkbox"/> Field Turb. | |
| Temperature Upon Receipt: <i>12.9</i> | Corrected Temperature: <i>6</i> | IR gun #: <i>1</i> | HNO3 lot #: | | | |

S₂

Sample Receipt Checklist

S2 Work Order# 2402247

Client: Noble Robinson Client Project ID: Uni UPR C25-03 Fluvial

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other Airbill #: _____

Matrix (Check all that apply) Air Soil/Solid Water Other

Temp (°C) Thermometer #

| | Yes | No | N/A | Comments (if any) |
|---|-------------------------------------|-------------------------------------|-------------------------------------|-------------------|
| If samples require cooling, is the temperature < 6°C? (1) NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>on ICE</i> |
| If custody seals are present, are they intact? (1) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Are samples due within 48 hours present? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe ²⁺), Hexavalent Chromium (Cr ⁶⁺ , Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Is a chain-of-custody (COC) form present and filled out Completely? (1) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Is the COC properly relinquished by the client w/ date and time recorded? (1) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Were all samples received intact? (1) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Was adequate sample volume provided? (1) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Does the COC agree with the number and type of sample bottles received? (1) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Do the sample IDs on the bottle labels match the COC? (1) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| For volatiles in water – is there headspace present? If yes, contact client and note in narrative. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Are samples preserved that require preservation (excluding cooling)? (1) Note the type of preservative in the comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| If samples are acid preserved for metals, is the pH ≤ 2? (1) Record the pH in Comments. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| If dissolved metals are requested, were samples field filtered? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Additional Comments (if any): | | | | |
| | | | | |

(1) If NO, then contact the client before proceeding with analysis and note in case narrative.

AS
Custodian Printed Name

2/13/24
Date/Time



Tasman Geosciences
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Broomfield CO, 80020

Project: Noble - UNI UPR C 25-03 Flowline

Project Number: UWRWE-A2186-ABN
Project Manager: Jacob Whritenour

Reported:
04/19/24 12:55

FL01-I@3'
2402247-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/13/24 12:23**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | ND | 0.0020 | | mg/kg | 1 | BHB0548 | 02/16/24 | 02/18/24 | EPA 8260B | |
| Toluene | ND | 0.0050 | | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | | " | " | " | " | " | " | |

Date Sampled: **02/13/24 12:23**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0384 | 96.0 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0402 | 101 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.0370 | 92.5 % | | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/13/24 12:23**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| C10-C28 (DRO) | ND | 50 | | mg/kg | 1 | BHB0553 | 02/16/24 | 02/17/24 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | | " | " | " | " | " | " | |

Date Sampled: **02/13/24 12:23**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: o-Terphenyl | 13.2 | 106 % | | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - UNI UPR C 25-03 Flowline

Project Number: UWRWE-A2186-ABN
Project Manager: Jacob Whritenour

Reported:
04/19/24 12:55

FL01-I@3'
2402247-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **02/13/24 12:23**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BHB0466 | 02/14/24 | 02/15/24 | EPA 8270D SIM | |
| Anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Chrysene | ND | 0.00500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **02/13/24 12:23**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0330 | 99.0 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0195 | 58.6 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **02/13/24 12:23**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | ND | 2.00 | mg/L | 1 | BHB0852 | 02/27/24 | 02/29/24 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **02/13/24 12:23**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

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Project Number: UWRWE-A2186-ABN
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Reported:
04/19/24 12:55

FL01-I@3'
2402247-01 (Soil)

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Total Metals by EPA 6020B

| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 1.29 | 0.200 | mg/kg dry | 1 | BHD0353 | 04/11/24 | 04/16/24 | EPA 6020B | |
| Barium | 37.2 | 0.400 | " | " | " | " | " | " | |
| Cadmium | ND | 0.200 | " | " | " | " | " | " | |
| Copper | 3.05 | 0.400 | " | " | " | " | " | " | |
| Lead | 3.69 | 0.200 | " | " | " | " | " | " | |
| Nickel | 2.74 | 0.400 | " | " | " | " | " | " | |
| Silver | ND | 0.0200 | " | " | " | " | " | " | |
| Zinc | 12.4 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **02/13/24 12:23**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 94.1 | 0.0500 | mg/L dry | 1 | BHB0636 | 02/20/24 | 02/27/24 | EPA 6020B | |
| Magnesium | 28.6 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 40.5 | 0.0500 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **02/13/24 12:23**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.938 | 0.00100 | units | 1 | BHB0925 | 02/29/24 | 02/29/24 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **02/13/24 12:23**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 92.5 | | % | 1 | BHB0840 | 02/27/24 | 02/28/24 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

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Reported:
04/19/24 12:55

FL01-I@3'
2402247-01 (Soil)

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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **02/13/24 12:23**


| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------------|-----------|--|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Specific Conductance (EC) | 0.326 | 0.0100 | | mmhos/cm | 1 | BHB0667 | 02/21/24 | 02/25/24 | EPA 120.1 | |

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **02/13/24 12:23**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------|--|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| pH | 8.30 | | | pH Units | 1 | BHB0666 | 02/21/24 | 02/25/24 | EPA 9045D | |

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Project Number: UWRWE-A2186-ABN
Project Manager: Jacob Whritenour

Reported:
04/19/24 12:55

Volatile Organic Compounds by EPA Method 8260B - Quality Control

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| Analyte | Reporting | | | Spike | Source | %REC | | RPD | | Notes |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | |

Batch BHB0548 - EPA 5030 Soil MS

Blank (BHB0548-BLK1)

Prepared: 02/16/24 Analyzed: 02/17/24

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Benzene | ND | 0.0020 | mg/kg | | | | | | | |
| Toluene | ND | 0.0050 | " | | | | | | | |
| Ethylbenzene | ND | 0.0050 | " | | | | | | | |
| Xylenes (total) | ND | 0.010 | " | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | | | | | | | |
| Naphthalene | ND | 0.0038 | " | | | | | | | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0372 | | " | 0.0400 | | 93.1 | 50-150 | | | |
| Surrogate: Toluene-d8 | 0.0398 | | " | 0.0400 | | 99.4 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0362 | | " | 0.0400 | | 90.4 | 50-150 | | | |

LCS (BHB0548-BS1)

Prepared: 02/16/24 Analyzed: 02/17/24

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Benzene | 0.105 | 0.0020 | mg/kg | 0.100 | | 105 | 70-130 | | | |
| Toluene | 0.103 | 0.0050 | " | 0.100 | | 103 | 70-130 | | | |
| Ethylbenzene | 0.103 | 0.0050 | " | 0.100 | | 103 | 70-130 | | | |
| m,p-Xylene | 0.213 | 0.010 | " | 0.200 | | 106 | 70-130 | | | |
| o-Xylene | 0.0916 | 0.0050 | " | 0.100 | | 91.6 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.0944 | 0.0050 | " | 0.100 | | 94.4 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0951 | 0.0050 | " | 0.100 | | 95.1 | 70-130 | | | |
| Naphthalene | 0.0749 | 0.0038 | " | 0.100 | | 74.9 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0392 | | " | 0.0400 | | 98.0 | 50-150 | | | |
| Surrogate: Toluene-d8 | 0.0406 | | " | 0.0400 | | 102 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0361 | | " | 0.0400 | | 90.2 | 50-150 | | | |

Matrix Spike (BHB0548-MS1)

Source: 2402226-01

Prepared: 02/16/24 Analyzed: 02/17/24

| | | | | | | | | | | |
|----------------------------------|---------|--------|-------|--------|----|------|--------|--|--|-------|
| Benzene | 0.0740 | 0.0020 | mg/kg | 0.100 | ND | 74.0 | 70-130 | | | |
| Toluene | 0.0639 | 0.0050 | " | 0.100 | ND | 63.9 | 70-130 | | | QM-05 |
| Ethylbenzene | 0.0584 | 0.0050 | " | 0.100 | ND | 58.4 | 70-130 | | | QM-05 |
| m,p-Xylene | 0.0991 | 0.010 | " | 0.200 | ND | 49.5 | 70-130 | | | QM-05 |
| o-Xylene | 0.0452 | 0.0050 | " | 0.100 | ND | 45.2 | 70-130 | | | QM-05 |
| 1,2,4-Trimethylbenzene | 0.0268 | 0.0050 | " | 0.100 | ND | 26.8 | 70-130 | | | QM-05 |
| 1,3,5-Trimethylbenzene | 0.0409 | 0.0050 | " | 0.100 | ND | 40.9 | 70-130 | | | QM-05 |
| Naphthalene | 0.00303 | 0.0038 | " | 0.100 | ND | 3.03 | 70-130 | | | QM-05 |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0408 | | " | 0.0400 | | 102 | 50-150 | | | |
| Surrogate: Toluene-d8 | 0.0403 | | " | 0.0400 | | 101 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0364 | | " | 0.0400 | | 91.0 | 50-150 | | | |

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Project Number: UWRWE-A2186-ABN
Project Manager: Jacob Whritenour

Reported:
04/19/24 12:55

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

| Analyte | Reporting | | Spike Level | Source Result | %REC | | RPD | | Notes |
|---------|-----------|-------|----------------|------------------|-------|------|--------|-----|-------|
| | Result | Limit | | | Units | %REC | Limits | RPD | |

Batch BHB0548 - EPA 5030 Soil MS

| Matrix Spike Dup (BHB0548-MSD1) | Source: 2402226-01 | | | Prepared: 02/16/24 Analyzed: 02/17/24 | | | | | | |
|----------------------------------|--------------------|--------|-------|---------------------------------------|----|------|--------|--------|----|-------|
| Benzene | 0.0810 | 0.0020 | mg/kg | 0.100 | ND | 81.0 | 70-130 | 9.14 | 30 | |
| Toluene | 0.0699 | 0.0050 | " | 0.100 | ND | 69.9 | 70-130 | 8.92 | 30 | QM-05 |
| Ethylbenzene | 0.0585 | 0.0050 | " | 0.100 | ND | 58.5 | 70-130 | 0.0513 | 30 | QM-05 |
| m,p-Xylene | 0.0959 | 0.010 | " | 0.200 | ND | 48.0 | 70-130 | 3.26 | 30 | QM-05 |
| o-Xylene | 0.0456 | 0.0050 | " | 0.100 | ND | 45.6 | 70-130 | 0.727 | 30 | QM-05 |
| 1,2,4-Trimethylbenzene | 0.0266 | 0.0050 | " | 0.100 | ND | 26.6 | 70-130 | 0.899 | 30 | QM-05 |
| 1,3,5-Trimethylbenzene | 0.0382 | 0.0050 | " | 0.100 | ND | 38.2 | 70-130 | 6.90 | 30 | QM-05 |
| Naphthalene | ND | 0.0038 | " | 0.100 | ND | | 70-130 | 200 | 30 | QM-05 |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0453 | | " | 0.0400 | | 113 | 50-150 | | | |
| Surrogate: Toluene-d8 | 0.0411 | | " | 0.0400 | | 103 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0390 | | " | 0.0400 | | 97.5 | 50-150 | | | |

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - UNI UPR C 25-03 Flowline
Project Number: UWRWE-A2186-ABN
Project Manager: Jacob Whritenour

Reported:
04/19/24 12:55

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

| Analyte | Result | Reporting | | Spike Level | Source | | %REC | | RPD | | Notes |
|---------|--------|-----------|-------|-------------|--------|------|--------|-----|-------|--|-------|
| | | Limit | Units | | Result | %REC | Limits | RPD | Limit | | |

Batch BHB0553 - EPA 3550A

Blank (BHB0553-BLK1)

Prepared: 02/16/24 Analyzed: 02/17/24

| | | | | | | | | | | | |
|--------------------------------|------|----|-------|------|--|------|--------|--|--|--|--|
| C10-C28 (DRO) | ND | 50 | mg/kg | | | | | | | | |
| C28-C36 (ORO) | ND | 50 | " | | | | | | | | |
| Surrogate: <i>o</i> -Terphenyl | 10.3 | | " | 12.5 | | 82.2 | 30-150 | | | | |

LCS (BHB0553-BS1)

Prepared: 02/16/24 Analyzed: 02/17/24

| | | | | | | | | | | | |
|--------------------------------|------|----|-------|------|--|------|--------|--|--|--|--|
| C10-C28 (DRO) | 412 | 50 | mg/kg | 500 | | 82.3 | 70-130 | | | | |
| Surrogate: <i>o</i> -Terphenyl | 17.0 | | " | 12.5 | | 136 | 30-150 | | | | |

Matrix Spike (BHB0553-MS1)

Source: 2402226-01

Prepared: 02/16/24 Analyzed: 02/17/24

| | | | | | | | | | | | |
|--------------------------------|------|----|-------|------|------|------|--------|--|--|--|--|
| C10-C28 (DRO) | 407 | 50 | mg/kg | 500 | 17.7 | 77.8 | 70-130 | | | | |
| Surrogate: <i>o</i> -Terphenyl | 4.26 | | " | 12.5 | | 34.1 | 30-150 | | | | |

Matrix Spike Dup (BHB0553-MSD1)

Source: 2402226-01

Prepared: 02/16/24 Analyzed: 02/17/24

| | | | | | | | | | | | |
|--------------------------------|------|----|-------|------|------|------|--------|------|----|--|--|
| C10-C28 (DRO) | 397 | 50 | mg/kg | 500 | 17.7 | 75.8 | 70-130 | 2.42 | 20 | | |
| Surrogate: <i>o</i> -Terphenyl | 14.3 | | " | 12.5 | | 115 | 30-150 | | | | |

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - UNI UPR C 25-03 Flowline
Project Number: UWRWE-A2186-ABN
Project Manager: Jacob Whritenour

Reported:
04/19/24 12:55

PAH by EPA Method 8270D SIM - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | %REC | | RPD | | Notes |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | |

Batch BHB0466 - EPA 5030 Soil MS

Blank (BHB0466-BLK1)

Prepared & Analyzed: 02/14/24

| | | | | | | | | | | |
|---|---------------|---------|-------|---------------|--|-------------|---------------|--|--|--|
| Acenaphthene | ND | 0.00500 | mg/kg | | | | | | | |
| Anthracene | ND | 0.00500 | " | | | | | | | |
| Benzo (a) anthracene | ND | 0.00500 | " | | | | | | | |
| Benzo (a) pyrene | ND | 0.00500 | " | | | | | | | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | | | | | | | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | | | | | | | |
| Chrysene | ND | 0.00500 | " | | | | | | | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | | | | | | | |
| Fluoranthene | ND | 0.00500 | " | | | | | | | |
| Fluorene | ND | 0.00500 | " | | | | | | | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | | | | | | | |
| Pyrene | ND | 0.00500 | " | | | | | | | |
| 1-Methylnaphthalene | ND | 0.00500 | " | | | | | | | |
| 2-Methylnaphthalene | ND | 0.00500 | " | | | | | | | |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0324</i> | | " | <i>0.0333</i> | | <i>97.2</i> | <i>40-150</i> | | | |
| <i>Surrogate: Fluoranthene-d10</i> | <i>0.0333</i> | | " | <i>0.0333</i> | | <i>99.8</i> | <i>40-150</i> | | | |

LCS (BHB0466-BS1)

Prepared & Analyzed: 02/14/24

| | | | | | | |
|---|---------------|---------|-------|---------------|------------|---------------|
| Acenaphthene | 0.0347 | 0.00500 | mg/kg | 0.0333 | 104 | 31-137 |
| Anthracene | 0.0328 | 0.00500 | " | 0.0333 | 98.5 | 30-120 |
| Benzo (a) anthracene | 0.0314 | 0.00500 | " | 0.0333 | 94.2 | 30-120 |
| Benzo (a) pyrene | 0.0342 | 0.00500 | " | 0.0333 | 102 | 30-120 |
| Benzo (b) fluoranthene | 0.0334 | 0.00500 | " | 0.0333 | 100 | 30-120 |
| Benzo (k) fluoranthene | 0.0346 | 0.00500 | " | 0.0333 | 104 | 30-120 |
| Chrysene | 0.0341 | 0.00500 | " | 0.0333 | 102 | 30-120 |
| Dibenz (a,h) anthracene | 0.0361 | 0.00500 | " | 0.0333 | 108 | 30-120 |
| Fluoranthene | 0.0359 | 0.00500 | " | 0.0333 | 108 | 30-120 |
| Fluorene | 0.0373 | 0.00500 | " | 0.0333 | 112 | 30-120 |
| Indeno (1,2,3-cd) pyrene | 0.0334 | 0.00500 | " | 0.0333 | 100 | 30-120 |
| Pyrene | 0.0287 | 0.00500 | " | 0.0333 | 86.2 | 35-142 |
| 1-Methylnaphthalene | 0.0378 | 0.00500 | " | 0.0333 | 113 | 35-142 |
| 2-Methylnaphthalene | 0.0388 | 0.00500 | " | 0.0333 | 116 | 35-142 |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0406</i> | | " | <i>0.0333</i> | <i>122</i> | <i>40-150</i> |
| <i>Surrogate: Fluoranthene-d10</i> | <i>0.0338</i> | | " | <i>0.0333</i> | <i>101</i> | <i>40-150</i> |

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - UNI UPR C 25-03 Flowline

Project Number: UWRWE-A2186-ABN
Project Manager: Jacob Whritenour

Reported:
04/19/24 12:55

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

| Analyte | Reporting | | | Spike | Source | %REC | | | RPD | Notes |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | |

Batch BHB0466 - EPA 5030 Soil MS

| Matrix Spike (BHB0466-MS1) | Source: 2402240-02 | | | Prepared & Analyzed: 02/14/24 | | | | | | | | |
|---|---------------------------|---------|----------|--|----|-------------|---------------|--|--|--|--|--|
| Acenaphthene | 0.0221 | 0.00500 | mg/kg | 0.0333 | ND | 66.2 | 31-137 | | | | | |
| Anthracene | 0.0207 | 0.00500 | " | 0.0333 | ND | 62.2 | 30-120 | | | | | |
| Benzo (a) anthracene | 0.0192 | 0.00500 | " | 0.0333 | ND | 57.7 | 30-120 | | | | | |
| Benzo (a) pyrene | 0.0211 | 0.00500 | " | 0.0333 | ND | 63.2 | 30-120 | | | | | |
| Benzo (b) fluoranthene | 0.0203 | 0.00500 | " | 0.0333 | ND | 60.9 | 30-120 | | | | | |
| Benzo (k) fluoranthene | 0.0224 | 0.00500 | " | 0.0333 | ND | 67.1 | 30-120 | | | | | |
| Chrysene | 0.0225 | 0.00500 | " | 0.0333 | ND | 67.5 | 30-120 | | | | | |
| Dibenz (a,h) anthracene | 0.0217 | 0.00500 | " | 0.0333 | ND | 65.0 | 30-120 | | | | | |
| Fluoranthene | 0.0259 | 0.00500 | " | 0.0333 | ND | 77.7 | 30-120 | | | | | |
| Fluorene | 0.0243 | 0.00500 | " | 0.0333 | ND | 72.9 | 30-120 | | | | | |
| Indeno (1,2,3-cd) pyrene | 0.0348 | 0.00500 | " | 0.0333 | ND | 104 | 30-120 | | | | | |
| Pyrene | 0.0174 | 0.00500 | " | 0.0333 | ND | 52.3 | 35-142 | | | | | |
| 1-Methylnaphthalene | 0.0281 | 0.00500 | " | 0.0333 | ND | 84.2 | 15-130 | | | | | |
| 2-Methylnaphthalene | 0.0260 | 0.00500 | " | 0.0333 | ND | 78.0 | 15-130 | | | | | |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0386</i> | | <i>"</i> | <i>0.0333</i> | | <i>116</i> | <i>40-150</i> | | | | | |
| <i>Surrogate: Fluoranthene-d10</i> | <i>0.0272</i> | | <i>"</i> | <i>0.0333</i> | | <i>81.6</i> | <i>40-150</i> | | | | | |

| Matrix Spike Dup (BHB0466-MSD1) | Source: 2402240-02 | | | Prepared & Analyzed: 02/14/24 | | | | | | | | |
|---|---------------------------|---------|----------|--|----|-------------|---------------|------|----|--|--|-------|
| Acenaphthene | 0.0184 | 0.00500 | mg/kg | 0.0333 | ND | 55.1 | 31-137 | 18.3 | 30 | | | |
| Anthracene | 0.0180 | 0.00500 | " | 0.0333 | ND | 54.0 | 30-120 | 14.2 | 30 | | | |
| Benzo (a) anthracene | 0.0143 | 0.00500 | " | 0.0333 | ND | 42.8 | 30-120 | 29.6 | 30 | | | |
| Benzo (a) pyrene | 0.0145 | 0.00500 | " | 0.0333 | ND | 43.4 | 30-120 | 37.2 | 30 | | | QR-02 |
| Benzo (b) fluoranthene | 0.0146 | 0.00500 | " | 0.0333 | ND | 43.8 | 30-120 | 32.7 | 30 | | | QR-02 |
| Benzo (k) fluoranthene | 0.0144 | 0.00500 | " | 0.0333 | ND | 43.2 | 30-120 | 43.2 | 30 | | | QR-02 |
| Chrysene | 0.0144 | 0.00500 | " | 0.0333 | ND | 43.1 | 30-120 | 44.2 | 30 | | | QR-02 |
| Dibenz (a,h) anthracene | 0.0156 | 0.00500 | " | 0.0333 | ND | 46.9 | 30-120 | 32.3 | 30 | | | QR-02 |
| Fluoranthene | 0.0149 | 0.00500 | " | 0.0333 | ND | 44.7 | 30-120 | 53.9 | 30 | | | QR-02 |
| Fluorene | 0.0185 | 0.00500 | " | 0.0333 | ND | 55.6 | 30-120 | 26.9 | 30 | | | |
| Indeno (1,2,3-cd) pyrene | 0.0160 | 0.00500 | " | 0.0333 | ND | 48.1 | 30-120 | 73.8 | 30 | | | QR-02 |
| Pyrene | 0.0169 | 0.00500 | " | 0.0333 | ND | 50.7 | 35-142 | 3.18 | 30 | | | |
| 1-Methylnaphthalene | 0.0227 | 0.00500 | " | 0.0333 | ND | 68.2 | 15-130 | 21.0 | 50 | | | |
| 2-Methylnaphthalene | 0.0140 | 0.00500 | " | 0.0333 | ND | 42.0 | 15-130 | 60.0 | 50 | | | QR-02 |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0275</i> | | <i>"</i> | <i>0.0333</i> | | <i>82.4</i> | <i>40-150</i> | | | | | |
| <i>Surrogate: Fluoranthene-d10</i> | <i>0.0151</i> | | <i>"</i> | <i>0.0333</i> | | <i>45.4</i> | <i>40-150</i> | | | | | |

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - UNI UPR C 25-03 Flowline

Project Number: UWRWE-A2186-ABN
Project Manager: Jacob Whritenour

Reported:
04/19/24 12:55

Total Metals by EPA 6020B Hot Water Soluble Extraction - Quality Control
Summit Scientific

| Analyte | Result | Reporting | | Spike Level | Source | | %REC | | RPD | | Notes |
|---------|--------|-----------|-------|-------------|--------|------|--------|-----|-------|--|-------|
| | | Limit | Units | | Result | %REC | Limits | RPD | Limit | | |

Batch BHB0852 - EPA 3050B

Blank (BHB0852-BLK1)

Prepared: 02/27/24 Analyzed: 02/29/24

Boron ND 2.00 mg/L

LCS (BHB0852-BS1)

Prepared: 02/27/24 Analyzed: 02/29/24

Boron 5.04 2.00 mg/L 5.00 101 80-120

Duplicate (BHB0852-DUP1)

Source: 2402209-49

Prepared: 02/27/24 Analyzed: 02/29/24

Boron 0.688 2.00 mg/L 0.701 1.91 20

Matrix Spike (BHB0852-MS1)

Source: 2402209-49

Prepared: 02/27/24 Analyzed: 02/29/24

Boron 5.73 2.00 mg/L 5.00 0.701 101 75-125

Matrix Spike Dup (BHB0852-MSD1)

Source: 2402209-49

Prepared: 02/27/24 Analyzed: 02/29/24

Boron 5.69 2.00 mg/L 5.00 0.701 99.8 75-125 0.754 25

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - UNI UPR C 25-03 Flowline

Project Number: UWRWE-A2186-ABN
Project Manager: Jacob Whritenour

Reported:
04/19/24 12:55

Total Metals by EPA 6020B - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | %REC | | | RPD | Notes |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-----|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | | |

Batch BHD0353 - EPA 3050B

Blank (BHD0353-BLK1)

Prepared: 04/11/24 Analyzed: 04/16/24

| | | | | | | | | | |
|----------|----|--------|-----------|--|--|--|--|--|--|
| Arsenic | ND | 0.200 | mg/kg wet | | | | | | |
| Barium | ND | 0.400 | " | | | | | | |
| Cadmium | ND | 0.200 | " | | | | | | |
| Copper | ND | 0.400 | " | | | | | | |
| Lead | ND | 0.200 | " | | | | | | |
| Nickel | ND | 0.400 | " | | | | | | |
| Silver | ND | 0.0200 | " | | | | | | |
| Zinc | ND | 0.400 | " | | | | | | |
| Selenium | ND | 0.260 | " | | | | | | |

LCS (BHD0353-BS1)

Prepared: 04/11/24 Analyzed: 04/16/24

| | | | | | | | |
|----------|------|--------|-----------|------|--|------|--------|
| Arsenic | 41.5 | 0.200 | mg/kg wet | 40.0 | | 104 | 80-120 |
| Barium | 38.5 | 0.400 | " | 40.0 | | 96.2 | 80-120 |
| Cadmium | 1.91 | 0.200 | " | 2.00 | | 95.6 | 80-120 |
| Copper | 41.4 | 0.400 | " | 40.0 | | 104 | 80-120 |
| Lead | 19.1 | 0.200 | " | 20.0 | | 95.5 | 80-120 |
| Nickel | 40.7 | 0.400 | " | 40.0 | | 102 | 80-120 |
| Silver | 1.95 | 0.0200 | " | 2.00 | | 97.3 | 80-120 |
| Zinc | 40.5 | 0.400 | " | 40.0 | | 101 | 80-120 |
| Selenium | 4.24 | 0.260 | " | 4.00 | | 106 | 80-120 |

Duplicate (BHD0353-DUP1)

Source: 2402223-01

Prepared: 04/11/24 Analyzed: 04/16/24

| | | | | | | | |
|----------|--------|--------|-----------|--------|--|-------|----|
| Arsenic | 1.29 | 0.200 | mg/kg dry | 1.27 | | 1.94 | 20 |
| Barium | 33.4 | 0.400 | " | 32.1 | | 4.01 | 20 |
| Cadmium | 0.0757 | 0.200 | " | 0.0793 | | 4.58 | 20 |
| Copper | 2.58 | 0.400 | " | 2.56 | | 0.700 | 20 |
| Lead | 2.86 | 0.200 | " | 2.79 | | 2.60 | 20 |
| Nickel | 2.43 | 0.400 | " | 2.53 | | 4.15 | 20 |
| Silver | 0.0129 | 0.0200 | " | 0.0131 | | 1.52 | 20 |
| Zinc | 11.7 | 0.400 | " | 11.4 | | 2.51 | 20 |
| Selenium | ND | 0.260 | " | ND | | | 20 |

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - UNI UPR C 25-03 Flowline

Project Number: UWRWE-A2186-ABN
Project Manager: Jacob Whritenour

Reported:
04/19/24 12:55

Total Metals by EPA 6020B - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | | Notes |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|--|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | | |

Batch BHD0353 - EPA 3050B

Matrix Spike (BHD0353-MS1)

Source: 2402223-01

Prepared: 04/11/24 Analyzed: 04/16/24

| | | | | | | | | | | |
|----------|------|--------|-----------|------|--------|------|--------|--|--|--|
| Arsenic | 46.3 | 0.200 | mg/kg dry | 41.4 | 1.27 | 109 | 75-125 | | | |
| Barium | 74.9 | 0.400 | " | 41.4 | 32.1 | 103 | 75-125 | | | |
| Cadmium | 2.13 | 0.200 | " | 2.07 | 0.0793 | 99.2 | 75-125 | | | |
| Copper | 47.0 | 0.400 | " | 41.4 | 2.56 | 107 | 75-125 | | | |
| Lead | 22.9 | 0.200 | " | 20.7 | 2.79 | 97.1 | 75-125 | | | |
| Nickel | 46.6 | 0.400 | " | 41.4 | 2.53 | 106 | 75-125 | | | |
| Silver | 2.05 | 0.0200 | " | 2.07 | 0.0131 | 98.4 | 75-125 | | | |
| Zinc | 56.5 | 0.400 | " | 41.4 | 11.4 | 109 | 75-125 | | | |
| Selenium | 4.16 | 0.260 | " | 4.14 | ND | 100 | 75-125 | | | |

Matrix Spike Dup (BHD0353-MSD1)

Source: 2402223-01

Prepared: 04/11/24 Analyzed: 04/16/24

| | | | | | | | | | |
|----------|------|--------|-----------|------|--------|------|--------|-------|----|
| Arsenic | 45.7 | 0.200 | mg/kg dry | 41.4 | 1.27 | 107 | 75-125 | 1.38 | 25 |
| Barium | 75.1 | 0.400 | " | 41.4 | 32.1 | 104 | 75-125 | 0.345 | 25 |
| Cadmium | 2.17 | 0.200 | " | 2.07 | 0.0793 | 101 | 75-125 | 1.56 | 25 |
| Copper | 46.2 | 0.400 | " | 41.4 | 2.56 | 105 | 75-125 | 1.82 | 25 |
| Lead | 23.1 | 0.200 | " | 20.7 | 2.79 | 98.1 | 75-125 | 0.985 | 25 |
| Nickel | 46.1 | 0.400 | " | 41.4 | 2.53 | 105 | 75-125 | 1.21 | 25 |
| Silver | 2.06 | 0.0200 | " | 2.07 | 0.0131 | 99.0 | 75-125 | 0.664 | 25 |
| Zinc | 55.5 | 0.400 | " | 41.4 | 11.4 | 106 | 75-125 | 1.90 | 25 |
| Selenium | 4.22 | 0.260 | " | 4.14 | ND | 102 | 75-125 | 1.44 | 25 |

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - UNI UPR C 25-03 Flowline

Project Number: UWRWE-A2186-ABN
Project Manager: Jacob Whritenour

Reported:
04/19/24 12:55

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction - Quality Control

Summit Scientific

| Analyte | Result | Reporting | | Spike Level | Source Result | %REC | | RPD | | Notes |
|---------|--------|-----------|-------|-------------|---------------|------|--------|-----|-------|-------|
| | | Limit | Units | | | %REC | Limits | RPD | Limit | |

Batch BHB0636 - General Preparation

Blank (BHB0636-BLK1)

Prepared: 02/20/24 Analyzed: 02/27/24

| | | | | | | | | | | |
|-----------|----|--------|----------|--|--|--|--|--|--|--|
| Calcium | ND | 0.0500 | mg/L wet | | | | | | | |
| Magnesium | ND | 0.0500 | " | | | | | | | |
| Sodium | ND | 0.0500 | " | | | | | | | |

LCS (BHB0636-BS1)

Prepared: 02/20/24 Analyzed: 02/27/24

| | | | | | | | | | | |
|-----------|------|--------|----------|------|-----|--------|--|--|--|--|
| Calcium | 5.36 | 0.0500 | mg/L wet | 5.00 | 107 | 70-130 | | | | |
| Magnesium | 5.05 | 0.0500 | " | 5.00 | 101 | 70-130 | | | | |
| Sodium | 5.07 | 0.0500 | " | 5.00 | 101 | 70-130 | | | | |

Summit Scientific

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Tasman Geosciences
 6855 W. 119th Ave.
 Broomfield CO, 80020

Project: Noble - UNI UPR C 25-03 Flowline
 Project Number: UWRWE-A2186-ABN
 Project Manager: Jacob Whritenour

Reported:
 04/19/24 12:55

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control

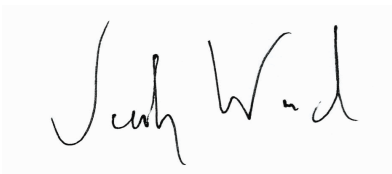
Summit Scientific

| Analyte | Result | Reporting | | Spike | Source | %REC | | | RPD | Notes |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| | | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | |

Batch BHB0840 - General Preparation

| Duplicate (BHB0840-DUP1) | Source: 2402238-22 | | Prepared: 02/27/24 Analyzed: 02/28/24 | |
|--------------------------|--------------------|---|---------------------------------------|----------|
| % Solids | 97.1 | % | 96.7 | 0.421 20 |

Summit Scientific



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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - UNI UPR C 25-03 Flowline

Project Number: UWRWE-A2186-ABN
Project Manager: Jacob Whritenour

Reported:
04/19/24 12:55

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction - Quality Control

Summit Scientific

| Analyte | Result | Reporting | | Spike Level | Source Result | %REC | | RPD | | Notes |
|---------|--------|-----------|-------|-------------|---------------|------|--------|-----|-------|-------|
| | | Limit | Units | | | %REC | Limits | RPD | Limit | |

Batch BHB0667 - General Preparation

Blank (BHB0667-BLK1)

Prepared: 02/21/24 Analyzed: 02/25/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BHB0667-BS1)

Prepared: 02/21/24 Analyzed: 02/25/24

Specific Conductance (EC) 0.146 0.0100 mmhos/cm 0.150 97.5 95-105

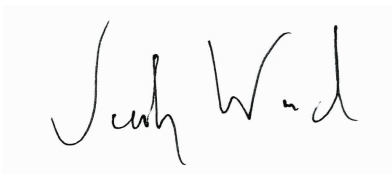
Duplicate (BHB0667-DUP1)

Source: 2402238-01

Prepared: 02/21/24 Analyzed: 02/25/24

Specific Conductance (EC) 0.428 0.0100 mmhos/cm 0.435 1.53 20

Summit Scientific



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Reported:
04/19/24 12:55

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction - Quality Control

Summit Scientific

| Analyte | Result | Reporting | | Spike | Source | %REC | | RPD | | Notes |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| | | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | |

Batch BHB0666 - General Preparation

LCS (BHB0666-BS1)

Prepared: 02/21/24 Analyzed: 02/25/24

| | | | | | |
|----|------|----------|------|------|--------|
| pH | 9.09 | pH Units | 9.18 | 99.0 | 95-105 |
|----|------|----------|------|------|--------|

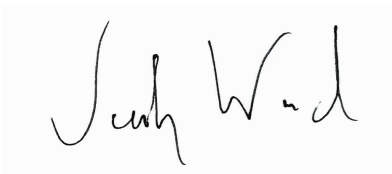
Duplicate (BHB0666-DUP1)

Source: 2402238-01

Prepared: 02/21/24 Analyzed: 02/25/24

| | | | | | |
|----|------|----------|------|------|----|
| pH | 7.84 | pH Units | 7.73 | 1.41 | 20 |
|----|------|----------|------|------|----|

Summit Scientific



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Division of Environmental Testing

2115 N Scranton St Suite 3040A
Aurora, CO 80045
800-440-5184

March 15, 2024

4653 Table Mountain Drive
Golden, CO 80403
303-277-9310
reports@s2scientific.com

Project Manager : Mikayla Axtell
Project Name : 2402247
Project Number : N/A

Attached are the analytical results for 2402247 N/A received by Elevation Diagnostics, Division of Environmental Testing on February 22, 2024. This is associated with Elevation's number AA05565 .

The results were analyzed under the guidelines of various methods. These methods are identified in the report as follows: "SW" is referring to the EPA's SW-846 Compendium; "EPA" is referring to 40 CFR part 136; "HACH" is referring to a method which was validated by HACH®; "SM" is referring to a revision of the Standard Methods For the Examination of Water and Wastewater; and "ASTM" is referring to the standard test method set forth by ASTM International.

The analytical results in this report apply specifically to the samples listed in the attached Chain of Custody. This report may only be duplicated in full.

Any deviations to sample integrity, method specifications, or Elevation Diagnostics's standard operating procedures are documented in the report below.

Please contact us for any questions or comments concerning the content of this report.

Thank you,

Elevation Diagnostics, Division of Environmental Testing

Kristen Reichel
Laboratory Director
CSO,CCO



Division of Environmental Testing

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

Report Date : 3/15/2024

Report Time : 13:46

FINAL RESULTS REPORT

| REPORT TO |
|---|
| 4653 Table Mountain Drive Golden, CO 80403 303-277-9310 reports@s2scientific.com |

Project Manager : Mikayla Axtell

Project Name : 2402247

Project Number : N/A

| Sample ID | Customer ID | Analyte Name Analysis Start | Dilution | Result | Units | Reporting Limit | Method Reference |
|-----------|------------------------------|--------------------------------|----------|--------|-------|--------------------|-------------------------|
| AA05565-1 | FL01-I@3' | Chromium VI, Soil | | | | | |
| | Collected : 02/13/2024 12:23 | 03/01/2024 15:30 | | <0.080 | mg/kg | 0.002 | EPA 3060A & EPA 7199 |



Division of Environmental Testing

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Aurora, CO 80045

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Report Date : 3/15/2024

Report Time : 13:46

FINAL RESULTS REPORT

| REPORT TO |
|---|
| 4653 Table Mountain Drive Golden, CO 80403 303-277-9310 reports@s2scientific.com |

Project Manager : Mikayla Axtell

Project Name : 2402247

Project Number : N/A

| Sample ID | Customer ID | Analyte Name Analysis Start | Dilution | Result | Units | Reporting Limit | Method Reference |
|-----------|-------------|--------------------------------|----------|--------|-------|--------------------|---------------------|
|-----------|-------------|--------------------------------|----------|--------|-------|--------------------|---------------------|

QC Report

CHROM_VI_SOIL-2122

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %Rec | % REC Limits | RPD | RPD Limit |
|-------------|--------|--------------------|-------|----------------|------------------|--------|-----------------|--------|--------------|
| DUP AA05413 | 0.094 | 0.001 | mg/kg | | 0.092 | | | 2.1505 | |
| DUP AA05564 | <0.080 | 0.001 | mg/kg | | <0.080 | | | | |
| MB AA05920 | 0.613 | | ppb | | | | | | |
| LCS AA05922 | 39.017 | | ppb | 40 | | 97.542 | | | |
| LCS AA05923 | 38.886 | | ppb | 40 | | 97.215 | | | |



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Notes and Definitions

- QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The associated LCS and/or LCSD were within acceptance limits, therefore the data are considered valid.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference