

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

October 14, 2024

Paul Hengan
Fremont Environmental
PO Box 1289
Wellington, CO 80549

RE: Noble - Wells Ranch USX AE T6N-R62W-S29 L02

Work Order #2410146

Enclosed are the results of analyses for samples received by Summit Scientific on 10/09/24 18:36. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink that reads "Jacob Wood". The signature is written in a cursive style with a small "w" at the end of the last name.

Jacob Wood For Paul Shrewsbury
President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wells Ranch USX AE T6N-R62W-S29 L02

Project Number: UWRWE-A4187-ABN
Project Manager: Paul Henchan

Reported:
10/14/24 13:20

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|--------------|---------------|--------|----------------|----------------|
| PWV01E - 5FT | 2410146-01 | Soil | 10/09/24 00:00 | 10/09/24 18:36 |
| PWV01S - 5FT | 2410146-02 | Soil | 10/09/24 00:00 | 10/09/24 18:36 |
| PWV01B - 6FT | 2410146-03 | Soil | 10/09/24 00:00 | 10/09/24 18:36 |

Summit Scientific

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4653 Table Mountain Drive
 Golden, CO 80403
 303-277-9310

| | |
|---------|-------------|
| Lab ID | Page 1 of 1 |
| 2410146 | |

| | | | |
|-------------------------------|--|--|--|
| Send Data To: | | Send Invoice To: | |
| Client: Fremont Environmental | Project Manager: Paul Henehan | Company: <i>Noble</i> | |
| Address: | E-Mail: Fremont Distribution List | Project Name/Location: | |
| City/State/Zip: | | AFE#: | |
| Phone: 303-261-6246 | Project Name: <i>Wells Ranch USX AE T6N-R62W-S29</i> | PO/Billing Codes: <i>UWRWE-A4187-ABN</i> | |
| Sampler Name: Stanley Gilbert | Project Number: | Contact: <i>Mike Montoya</i> | |

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | Analysis Requested | | | | | | | Special Instructions | |
|----|--------------------|--------------|--------------|-----------------|--------------|------|------|-------|--------|------|--------------------|-------|-------------------|-----|-----------|--------------------|--------------|----------------------|------------------------|
| | | | | | HCl | HNO3 | None | Other | Water | Soil | Air-Canister # | Other | BTEX, TMBs, Naph. | TPH | PAH (915) | EC, SAR, Pb, Boron | Metals (915) | | TDS, Chloride, Sulfate |
| 1 | PWV01 E-5FT | 10/9/24 | | 2 | | | X | | | X | | | X | X | X | X | | | |
| 2 | PWV01 S-5FT | I | | I | | | I | | | I | | | I | I | I | I | | | |
| 3 | PWV01 B-6FT | I | | I | | | I | | | I | | | I | I | I | I | | | |
| 4 | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | |

| | | | | | | |
|-------------------------------------|------------------------|---------------------------------|--------------------------|--|-------------|--------|
| Relinquished by: <i>[Signature]</i> | Date/Time: 10/9/24 | Received by: <i>[Signature]</i> | Date/Time: 10/9/24 10:36 | TAT Business Days | Field DO | Notes: |
| | | | | Same Day <input checked="" type="checkbox"/> | Field EC | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | 1 Day <input type="checkbox"/> | Field ORP | |
| | | | | 2 Days <input type="checkbox"/> | Field pH | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | 3 Days <input type="checkbox"/> | Field Temp. | |
| | | | | Standard <input type="checkbox"/> | Field Turb. | |
| Temperature Upon Receipt: 5.1° | Corrected Temperature: | IR gun #: 92 | HNO3 lot #: | | | |

S₂

Sample Receipt Checklist

S2 Work Order# 2410146

Client: Fremont Environmental Client Project ID: Wells Bench USX AE T6N-R 62W-

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other Airbill #: S29602

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

Temp (°C) 5.10c Thermometer # 82

| | 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"/> | <u>on 14</u> |
| If custody seals are present, are they intact? ⁽¹⁾ | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Are samples due within 48 hours present? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <u>Some data</u> |
| 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 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.

Control Form #: SRC-001

LTZ

Custodian Printed Name

10/9/24 10:36

Date/Time



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wells Ranch USX AE T6N-R62W-S29 L02

Project Number: UWRWE-A4187-ABN
Project Manager: Paul Henchan

Reported:
10/14/24 13:20

PWV01E - 5FT
2410146-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/09/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | ND | 0.0020 | | mg/kg | 1 | BHJ0348 | 10/09/24 | 10/10/24 | EPA 8260B | |
| Toluene | ND | 0.0050 | | " | " | " | " | " | " | |
| Ethylbenzene | 0.055 | 0.0050 | | " | " | " | " | " | " | |
| Xylenes (total) | 0.13 | 0.010 | | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | 0.15 | 0.0050 | | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | 0.040 | 0.0050 | | " | " | " | " | " | " | |
| Naphthalene | 0.056 | 0.0038 | | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 3.8 | 0.50 | | " | " | " | " | " | " | |

Date Sampled: **10/09/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0382 | 95.6 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0405 | 101 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.0430 | 107 % | | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **10/09/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| C10-C28 (DRO) | ND | 50 | | mg/kg | 1 | BHJ0350 | 10/09/24 | 10/10/24 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | | " | " | " | " | " | " | |

Date Sampled: **10/09/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: o-Terphenyl | 10.1 | 80.4 % | | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wells Ranch USX AE T6N-R62W-S29 L02

Project Number: UWRWE-A4187-ABN
Project Manager: Paul Henchan

Reported:
10/14/24 13:20

PWV01E - 5FT
2410146-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **10/09/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------|----------------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BHJ0358 | 10/10/24 | 10/11/24 | 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 | 0.0104 | 0.00500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluorene | 0.0552 | 0.00500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Pyrene | 0.00826 | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | 0.491 | 0.00500 | " | " | " | " | " | " | E |
| 2-Methylnaphthalene | 0.636 | 0.00500 | " | " | " | " | " | " | E |

Date Sampled: **10/09/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0167 | 50.1 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0200 | 60.1 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/09/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | ND | 2.00 | mg/L | 1 | BHJ0370 | 10/10/24 | 10/10/24 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **10/09/24 00:00**

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

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Project Number: UWRWE-A4187-ABN
Project Manager: Paul Henchan

Reported:
10/14/24 13:20

PWV01E - 5FT
2410146-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 4.96 | 0.200 | mg/kg dry | 1 | BHJ0369 | 10/10/24 | 10/10/24 | EPA 6020B | |
| Barium | 41.3 | 0.400 | " | " | " | " | " | " | |
| Cadmium | 0.202 | 0.200 | " | " | " | " | " | " | |
| Copper | 15.2 | 0.400 | " | " | " | " | " | " | |
| Lead | 12.4 | 0.200 | " | " | " | " | " | " | |
| Nickel | 10.6 | 0.400 | " | " | " | " | " | " | |
| Silver | 0.0514 | 0.0200 | " | " | " | " | " | " | |
| Zinc | 45.6 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: 10/09/24 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BHJ0364 | 10/10/24 | 10/10/24 | EPA 7196A | |

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

Date Sampled: 10/09/24 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 97.8 | 0.0500 | mg/L dry | 1 | BHJ0343 | 10/09/24 | 10/10/24 | EPA 6020B | |
| Magnesium | 28.4 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 50.5 | 0.0500 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: 10/09/24 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 1.16 | 0.00100 | units | 1 | BHJ0441 | 10/11/24 | 10/11/24 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: 10/09/24 00:00

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

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Project Number: UWRWE-A4187-ABN
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Reported:
 10/14/24 13:20

PWV01E - 5FT
2410146-01 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

| | | | | | | | |
|----------|------|---|---|---------|----------|----------|-------------|
| % Solids | 83.3 | % | 1 | BHJ0355 | 10/10/24 | 10/10/24 | Calculation |
|----------|------|---|---|---------|----------|----------|-------------|

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/09/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.704 | 0.0100 | mmhos/cm | 1 | BHJ0352 | 10/09/24 | 10/10/24 | EPA 120.1 | |

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

Date Sampled: **10/09/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.14 | | pH Units | 1 | BHJ0351 | 10/09/24 | 10/10/24 | EPA 9045D | |

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Reported:
10/14/24 13:20

PWV01S - 5FT
2410146-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/09/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|-------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BHJ0348 | 10/09/24 | 10/10/24 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | 2.3 | 0.050 | " | 10 | " | " | 10/10/24 | " | |
| Xylenes (total) | 1.5 | 0.10 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | 7.3 | 0.050 | " | " | " | " | " | " | E |
| 1,3,5-Trimethylbenzene | 0.31 | 0.0050 | " | 1 | " | " | 10/10/24 | " | |
| Naphthalene | 0.36 | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 400 | 5.0 | " | 10 | " | " | 10/10/24 | " | |

Date Sampled: **10/09/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | 0.0473 | 118 % | 50-150 | " | " | " | 10/10/24 | " | |
| Surrogate: Toluene-d8 | 0.0427 | 107 % | 50-150 | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.138 | 345 % | 50-150 | " | " | " | " | " | S-02 |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **10/09/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | 190 | 50 | mg/kg | 1 | BHJ0350 | 10/09/24 | 10/10/24 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **10/09/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | 9.28 | 74.2 % | 30-150 | " | " | " | " | " | |

PAH by EPA Method 8270D SIM

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Project Manager: Paul Henchan

Reported:
10/14/24 13:20

PWV01S - 5FT
2410146-02 (Soil)

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PAH by EPA Method 8270D SIM

Date Sampled: **10/09/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|----------------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | 0.0384 | 0.00500 | mg/kg | 1 | BHJ0358 | 10/10/24 | 10/11/24 | EPA 8270D SIM | |
| Anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | 0.00714 | 0.00500 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Chrysene | 0.0322 | 0.00500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluoranthene | 0.0120 | 0.00500 | " | " | " | " | " | " | |
| Fluorene | 0.210 | 0.100 | " | 20 | " | " | 10/11/24 | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | 1 | " | " | 10/11/24 | " | |
| Pyrene | 0.0360 | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | 1.71 | 0.100 | " | 20 | " | " | 10/11/24 | " | |
| 2-Methylnaphthalene | 1.83 | 0.100 | " | " | " | " | " | " | |

Date Sampled: **10/09/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0248 | 74.5 % | 40-150 | | " | " | 10/11/24 | " | |
| Surrogate: Fluoranthene-d10 | 0.0238 | 71.4 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/09/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | ND | 2.00 | mg/L | 1 | BHJ0370 | 10/10/24 | 10/10/24 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **10/09/24 00:00**

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

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Project Manager: Paul Henchan

Reported:
10/14/24 13:20

PWV01S - 5FT
2410146-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 3.33 | 0.200 | mg/kg dry | 1 | BHJ0369 | 10/10/24 | 10/10/24 | EPA 6020B | |
| Barium | 44.6 | 0.400 | " | " | " | " | " | " | |
| Cadmium | ND | 0.200 | " | " | " | " | " | " | |
| Copper | 8.79 | 0.400 | " | " | " | " | " | " | |
| Lead | 7.69 | 0.200 | " | " | " | " | " | " | |
| Nickel | 7.38 | 0.400 | " | " | " | " | " | " | |
| Silver | 0.0365 | 0.0200 | " | " | " | " | " | " | |
| Zinc | 33.0 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/09/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BHJ0364 | 10/10/24 | 10/10/24 | EPA 7196A | |

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

Date Sampled: **10/09/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 58.1 | 0.0500 | mg/L dry | 1 | BHJ0343 | 10/09/24 | 10/10/24 | EPA 6020B | |
| Magnesium | 11.3 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 7.97 | 0.0500 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **10/09/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.251 | 0.00100 | units | 1 | BHJ0441 | 10/11/24 | 10/11/24 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Wells Ranch USX AE T6N-R62W-S29 L02

Project Number: UWRWE-A4187-ABN
 Project Manager: Paul Henchan

Reported:
 10/14/24 13:20

**PWV01S - 5FT
 2410146-02 (Soil)**

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/09/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 82.0 | | % | 1 | BHJ0355 | 10/10/24 | 10/10/24 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/09/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.295 | 0.0100 | mmhos/cm | 1 | BHJ0352 | 10/09/24 | 10/10/24 | EPA 120.1 | |

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

Date Sampled: **10/09/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.20 | | pH Units | 1 | BHJ0351 | 10/09/24 | 10/10/24 | EPA 9045D | |

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Project: Noble - Wells Ranch USX AE T6N-R62W-S29 L02

Project Number: UWRWE-A4187-ABN
Project Manager: Paul Henchan

Reported:
10/14/24 13:20

PWV01B - 6FT
2410146-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/09/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BHJ0348 | 10/09/24 | 10/10/24 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | 0.023 | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | 0.030 | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | 0.073 | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | 0.023 | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | 0.042 | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 4.9 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **10/09/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 0.0380 | 95.0 % | 50-150 | | " | " | " | " | |
| <i>Surrogate: Toluene-d8</i> | 0.0410 | 102 % | 50-150 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 0.0442 | 110 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **10/09/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BHJ0350 | 10/09/24 | 10/10/24 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **10/09/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: o-Terphenyl</i> | 10.8 | 86.2 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

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Wellington CO, 80549

Project: Noble - Wells Ranch USX AE T6N-R62W-S29 L02

Project Number: UWRWE-A4187-ABN
Project Manager: Paul Henchan

Reported:
10/14/24 13:20

PWV01B - 6FT
2410146-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **10/09/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------|----------------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | 0.00791 | 0.00500 | mg/kg | 1 | BHJ0358 | 10/10/24 | 10/11/24 | 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 | 0.00832 | 0.00500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluorene | 0.0546 | 0.00500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Pyrene | 0.00687 | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | 0.616 | 0.00500 | " | " | " | " | " | " | E |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **10/09/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0183 | 54.8 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0206 | 61.7 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/09/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | ND | 2.00 | mg/L | 1 | BHJ0370 | 10/10/24 | 10/10/24 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **10/09/24 00:00**

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

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Wellington CO, 80549

Project: Noble - Wells Ranch USX AE T6N-R62W-S29 L02

Project Number: UWRWE-A4187-ABN
Project Manager: Paul Henchan

Reported:
10/14/24 13:20

PWV01B - 6FT
2410146-03 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 4.16 | 0.180 | mg/kg dry | 1 | BHJ0369 | 10/10/24 | 10/10/24 | EPA 6020B | |
| Barium | 37.0 | 0.360 | " | " | " | " | " | " | |
| Cadmium | ND | 0.180 | " | " | " | " | " | " | |
| Copper | 10.9 | 0.360 | " | " | " | " | " | " | |
| Lead | 9.03 | 0.180 | " | " | " | " | " | " | |
| Nickel | 9.68 | 0.360 | " | " | " | " | " | " | |
| Silver | 0.0380 | 0.0180 | " | " | " | " | " | " | |
| Zinc | 47.6 | 0.360 | " | " | " | " | " | " | |
| Selenium | ND | 0.234 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: 10/09/24 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BHJ0364 | 10/10/24 | 10/10/24 | EPA 7196A | |

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

Date Sampled: 10/09/24 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 29.0 | 0.0500 | mg/L dry | 1 | BHJ0343 | 10/09/24 | 10/10/24 | EPA 6020B | |
| Magnesium | 6.68 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 71.9 | 0.0500 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: 10/09/24 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 3.13 | 0.00100 | units | 1 | BHJ0441 | 10/11/24 | 10/11/24 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

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 PO Box 1289
 Wellington CO, 80549

Project: Noble - Wells Ranch USX AE T6N-R62W-S29 L02

Project Number: UWRWE-A4187-ABN
 Project Manager: Paul Henchan

Reported:
 10/14/24 13:20

PWV01B - 6FT
2410146-03 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/09/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 80.5 | | % | 1 | BHJ0355 | 10/10/24 | 10/10/24 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/09/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.337 | 0.0100 | mmhos/cm | 1 | BHJ0352 | 10/09/24 | 10/10/24 | EPA 120.1 | |

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

Date Sampled: **10/09/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.13 | | pH Units | 1 | BHJ0351 | 10/09/24 | 10/10/24 | EPA 9045D | |

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Project: Noble - Wells Ranch USX AE T6N-R62W-S29 L02

Project Number: UWRWE-A4187-ABN
Project Manager: Paul Henchan

Reported:
10/14/24 13:20

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BHJ0348 - EPA 5030 Soil MS

Blank (BHJ0348-BLK1)

Prepared: 10/09/24 Analyzed: 10/10/24

| | | | | | | | | | | | |
|---|--------|--------|-------|--------|--|------|--------|--|--|--|--|
| 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 | " | | | | | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 0.0350 | | " | 0.0400 | | 87.4 | 50-150 | | | | |
| <i>Surrogate: Toluene-d8</i> | 0.0403 | | " | 0.0400 | | 101 | 50-150 | | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 0.0387 | | " | 0.0400 | | 96.8 | 50-150 | | | | |

LCS (BHJ0348-BS1)

Prepared: 10/09/24 Analyzed: 10/10/24

| | | | | | | | | | | | |
|---|--------|--------|-------|--------|--|------|--------|--|--|--|--|
| Benzene | 0.0886 | 0.0020 | mg/kg | 0.100 | | 88.6 | 70-130 | | | | |
| Toluene | 0.0871 | 0.0050 | " | 0.100 | | 87.1 | 70-130 | | | | |
| Ethylbenzene | 0.0887 | 0.0050 | " | 0.100 | | 88.7 | 70-130 | | | | |
| m,p-Xylene | 0.174 | 0.010 | " | 0.200 | | 87.0 | 70-130 | | | | |
| o-Xylene | 0.0893 | 0.0050 | " | 0.100 | | 89.3 | 70-130 | | | | |
| 1,2,4-Trimethylbenzene | 0.0850 | 0.0050 | " | 0.100 | | 85.0 | 70-130 | | | | |
| 1,3,5-Trimethylbenzene | 0.0855 | 0.0050 | " | 0.100 | | 85.5 | 70-130 | | | | |
| Naphthalene | 0.0810 | 0.0038 | " | 0.100 | | 81.0 | 70-130 | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 0.0354 | | " | 0.0400 | | 88.4 | 50-150 | | | | |
| <i>Surrogate: Toluene-d8</i> | 0.0400 | | " | 0.0400 | | 100 | 50-150 | | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 0.0396 | | " | 0.0400 | | 98.9 | 50-150 | | | | |

Matrix Spike (BHJ0348-MS1)

Source: 2410133-01

Prepared: 10/09/24 Analyzed: 10/10/24

| | | | | | | | | | | | |
|---|--------|--------|-------|--------|----|------|--------|--|--|--|--|
| Benzene | 0.0821 | 0.0020 | mg/kg | 0.100 | ND | 82.1 | 70-130 | | | | |
| Toluene | 0.0819 | 0.0050 | " | 0.100 | ND | 81.9 | 70-130 | | | | |
| Ethylbenzene | 0.0807 | 0.0050 | " | 0.100 | ND | 80.7 | 70-130 | | | | |
| m,p-Xylene | 0.157 | 0.010 | " | 0.200 | ND | 78.6 | 70-130 | | | | |
| o-Xylene | 0.0790 | 0.0050 | " | 0.100 | ND | 79.0 | 70-130 | | | | |
| 1,2,4-Trimethylbenzene | 0.0754 | 0.0050 | " | 0.100 | ND | 75.4 | 70-130 | | | | |
| 1,3,5-Trimethylbenzene | 0.0775 | 0.0050 | " | 0.100 | ND | 77.5 | 70-130 | | | | |
| Naphthalene | 0.0752 | 0.0038 | " | 0.100 | ND | 75.2 | 70-130 | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 0.0388 | | " | 0.0400 | | 97.0 | 50-150 | | | | |
| <i>Surrogate: Toluene-d8</i> | 0.0408 | | " | 0.0400 | | 102 | 50-150 | | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 0.0399 | | " | 0.0400 | | 99.8 | 50-150 | | | | |

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Project: Noble - Wells Ranch USX AE T6N-R62W-S29 L02

Project Number: UWRWE-A4187-ABN
 Project Manager: Paul Henchan

Reported:
 10/14/24 13:20

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BHJ0348 - EPA 5030 Soil MS

| Matrix Spike Dup (BHJ0348-MSD1) | Source: 2410133-01 | | | Prepared: 10/09/24 Analyzed: 10/10/24 | | | | | | |
|----------------------------------|--------------------|--------|-------|---------------------------------------|----|------|--------|--------|----|--|
| Benzene | 0.0803 | 0.0020 | mg/kg | 0.100 | ND | 80.3 | 70-130 | 2.18 | 30 | |
| Toluene | 0.0793 | 0.0050 | " | 0.100 | ND | 79.3 | 70-130 | 3.24 | 30 | |
| Ethylbenzene | 0.0807 | 0.0050 | " | 0.100 | ND | 80.7 | 70-130 | 0.0372 | 30 | |
| m,p-Xylene | 0.159 | 0.010 | " | 0.200 | ND | 79.5 | 70-130 | 1.18 | 30 | |
| o-Xylene | 0.0805 | 0.0050 | " | 0.100 | ND | 80.5 | 70-130 | 1.81 | 30 | |
| 1,2,4-Trimethylbenzene | 0.0771 | 0.0050 | " | 0.100 | ND | 77.1 | 70-130 | 2.12 | 30 | |
| 1,3,5-Trimethylbenzene | 0.0786 | 0.0050 | " | 0.100 | ND | 78.6 | 70-130 | 1.46 | 30 | |
| Naphthalene | 0.0740 | 0.0038 | " | 0.100 | ND | 74.0 | 70-130 | 1.65 | 30 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0376 | | " | 0.0400 | | 94.0 | 50-150 | | | |
| Surrogate: Toluene-d8 | 0.0404 | | " | 0.0400 | | 101 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0394 | | " | 0.0400 | | 98.5 | 50-150 | | | |

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Project: Noble - Wells Ranch USX AE T6N-R62W-S29 L02

Project Number: UWRWE-A4187-ABN
 Project Manager: Paul Henchan

Reported:
 10/14/24 13:20

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 BHJ0350 - EPA 3550A

Blank (BHJ0350-BLK1)

Prepared: 10/09/24 Analyzed: 10/10/24

| | | | | | | | | | | | |
|--------------------------------|------|----|-------|------|--|-----|--|--------|--|--|--|
| C10-C28 (DRO) | ND | 50 | mg/kg | | | | | | | | |
| C28-C36 (ORO) | ND | 50 | " | | | | | | | | |
| Surrogate: <i>o</i> -Terphenyl | 13.0 | | " | 12.5 | | 104 | | 30-150 | | | |

LCS (BHJ0350-BS1)

Prepared: 10/09/24 Analyzed: 10/10/24

| | | | | | | | | | | | |
|--------------------------------|------|----|-------|------|--|------|--|--------|--|--|--|
| C10-C28 (DRO) | 490 | 50 | mg/kg | 500 | | 98.1 | | 70-130 | | | |
| Surrogate: <i>o</i> -Terphenyl | 14.0 | | " | 12.5 | | 112 | | 30-150 | | | |

Matrix Spike (BHJ0350-MS1)

Source: 2410133-01

Prepared: 10/09/24 Analyzed: 10/10/24

| | | | | | | | | | | | |
|--------------------------------|------|----|-------|------|----|------|--|--------|--|--|--|
| C10-C28 (DRO) | 401 | 50 | mg/kg | 500 | ND | 80.1 | | 70-130 | | | |
| Surrogate: <i>o</i> -Terphenyl | 14.3 | | " | 12.5 | | 115 | | 30-150 | | | |

Matrix Spike Dup (BHJ0350-MSD1)

Source: 2410133-01

Prepared: 10/09/24 Analyzed: 10/10/24

| | | | | | | | | | | | |
|--------------------------------|------|----|-------|------|----|------|--|--------|------|----|--|
| C10-C28 (DRO) | 414 | 50 | mg/kg | 500 | ND | 82.8 | | 70-130 | 3.28 | 20 | |
| Surrogate: <i>o</i> -Terphenyl | 13.3 | | " | 12.5 | | 107 | | 30-150 | | | |

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Wellington CO, 80549

Project: Noble - Wells Ranch USX AE T6N-R62W-S29 L02

Project Number: UWRWE-A4187-ABN
Project Manager: Paul Henchan

Reported:
10/14/24 13:20

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 BHJ0358 - EPA 5030 Soil MS

Blank (BHJ0358-BLK1)

Prepared & Analyzed: 10/10/24

| | | | | | | | | | | |
|---|---------------|---------|-------|---------------|--|-------------|---------------|--|--|--|
| 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>0.0250</i> | | " | <i>0.0333</i> | | <i>74.9</i> | <i>40-150</i> | | | |
| <i>Surrogate: Fluoranthene-d10</i> | <i>0.0277</i> | | " | <i>0.0333</i> | | <i>83.1</i> | <i>40-150</i> | | | |

LCS (BHJ0358-BS1)

Prepared & Analyzed: 10/10/24

| | | | | | | | | | | |
|---|---------------|---------|-------|---------------|--|-------------|---------------|--|--|--|
| Acenaphthene | 0.0218 | 0.00500 | mg/kg | 0.0333 | | 65.3 | 31-137 | | | |
| Anthracene | 0.0223 | 0.00500 | " | 0.0333 | | 67.0 | 30-120 | | | |
| Benzo (a) anthracene | 0.0230 | 0.00500 | " | 0.0333 | | 68.9 | 30-120 | | | |
| Benzo (a) pyrene | 0.0215 | 0.00500 | " | 0.0333 | | 64.5 | 30-120 | | | |
| Benzo (b) fluoranthene | 0.0217 | 0.00500 | " | 0.0333 | | 65.1 | 30-120 | | | |
| Benzo (k) fluoranthene | 0.0218 | 0.00500 | " | 0.0333 | | 65.4 | 30-120 | | | |
| Chrysene | 0.0229 | 0.00500 | " | 0.0333 | | 68.8 | 30-120 | | | |
| Dibenz (a,h) anthracene | 0.0202 | 0.00500 | " | 0.0333 | | 60.5 | 30-120 | | | |
| Fluoranthene | 0.0233 | 0.00500 | " | 0.0333 | | 69.8 | 30-120 | | | |
| Fluorene | 0.0207 | 0.00500 | " | 0.0333 | | 62.0 | 30-120 | | | |
| Indeno (1,2,3-cd) pyrene | 0.0170 | 0.00500 | " | 0.0333 | | 50.9 | 30-120 | | | |
| Pyrene | 0.0238 | 0.00500 | " | 0.0333 | | 71.3 | 35-142 | | | |
| 1-Methylnaphthalene | 0.0207 | 0.00500 | " | 0.0333 | | 62.1 | 35-142 | | | |
| 2-Methylnaphthalene | 0.0205 | 0.00500 | " | 0.0333 | | 61.6 | 35-142 | | | |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0211</i> | | " | <i>0.0333</i> | | <i>63.3</i> | <i>40-150</i> | | | |
| <i>Surrogate: Fluoranthene-d10</i> | <i>0.0233</i> | | " | <i>0.0333</i> | | <i>69.8</i> | <i>40-150</i> | | | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wells Ranch USX AE T6N-R62W-S29 L02

Project Number: UWRWE-A4187-ABN
Project Manager: Paul Henchan

Reported:
10/14/24 13:20

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 BHJ0358 - EPA 5030 Soil MS

| Matrix Spike (BHJ0358-MS1) | Source: 2410130-01 | | | Prepared & Analyzed: 10/10/24 | | | | | | |
|---|---------------------------|---------|----------|--|---------|-------------|---------------|--|--|--|
| Acenaphthene | 0.0170 | 0.00500 | mg/kg | 0.0333 | ND | 50.9 | 31-137 | | | |
| Anthracene | 0.0179 | 0.00500 | " | 0.0333 | ND | 53.8 | 30-120 | | | |
| Benzo (a) anthracene | 0.0182 | 0.00500 | " | 0.0333 | ND | 54.6 | 30-120 | | | |
| Benzo (a) pyrene | 0.0194 | 0.00500 | " | 0.0333 | ND | 58.1 | 30-120 | | | |
| Benzo (b) fluoranthene | 0.0186 | 0.00500 | " | 0.0333 | ND | 55.9 | 30-120 | | | |
| Benzo (k) fluoranthene | 0.0192 | 0.00500 | " | 0.0333 | ND | 57.6 | 30-120 | | | |
| Chrysene | 0.0178 | 0.00500 | " | 0.0333 | ND | 53.5 | 30-120 | | | |
| Dibenz (a,h) anthracene | 0.0182 | 0.00500 | " | 0.0333 | ND | 54.6 | 30-120 | | | |
| Fluoranthene | 0.0183 | 0.00500 | " | 0.0333 | ND | 54.9 | 30-120 | | | |
| Fluorene | 0.0167 | 0.00500 | " | 0.0333 | ND | 50.0 | 30-120 | | | |
| Indeno (1,2,3-cd) pyrene | 0.0143 | 0.00500 | " | 0.0333 | ND | 42.8 | 30-120 | | | |
| Pyrene | 0.0189 | 0.00500 | " | 0.0333 | ND | 56.8 | 35-142 | | | |
| 1-Methylnaphthalene | 0.0149 | 0.00500 | " | 0.0333 | ND | 44.7 | 15-130 | | | |
| 2-Methylnaphthalene | 0.0149 | 0.00500 | " | 0.0333 | 0.00577 | 27.4 | 15-130 | | | |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0153</i> | | <i>"</i> | <i>0.0333</i> | | <i>45.8</i> | <i>40-150</i> | | | |
| <i>Surrogate: Fluoranthene-d10</i> | <i>0.0187</i> | | <i>"</i> | <i>0.0333</i> | | <i>56.2</i> | <i>40-150</i> | | | |

| Matrix Spike Dup (BHJ0358-MSD1) | Source: 2410130-01 | | | Prepared & Analyzed: 10/10/24 | | | | | | |
|---|---------------------------|---------|----------|--|---------|-------------|---------------|-------|----|--|
| Acenaphthene | 0.0159 | 0.00500 | mg/kg | 0.0333 | ND | 47.8 | 31-137 | 6.31 | 30 | |
| Anthracene | 0.0169 | 0.00500 | " | 0.0333 | ND | 50.8 | 30-120 | 5.78 | 30 | |
| Benzo (a) anthracene | 0.0172 | 0.00500 | " | 0.0333 | ND | 51.7 | 30-120 | 5.33 | 30 | |
| Benzo (a) pyrene | 0.0197 | 0.00500 | " | 0.0333 | ND | 59.1 | 30-120 | 1.87 | 30 | |
| Benzo (b) fluoranthene | 0.0188 | 0.00500 | " | 0.0333 | ND | 56.4 | 30-120 | 1.00 | 30 | |
| Benzo (k) fluoranthene | 0.0193 | 0.00500 | " | 0.0333 | ND | 57.8 | 30-120 | 0.267 | 30 | |
| Chrysene | 0.0164 | 0.00500 | " | 0.0333 | ND | 49.3 | 30-120 | 8.12 | 30 | |
| Dibenz (a,h) anthracene | 0.0184 | 0.00500 | " | 0.0333 | ND | 55.1 | 30-120 | 0.876 | 30 | |
| Fluoranthene | 0.0168 | 0.00500 | " | 0.0333 | ND | 50.5 | 30-120 | 8.41 | 30 | |
| Fluorene | 0.0155 | 0.00500 | " | 0.0333 | ND | 46.6 | 30-120 | 7.07 | 30 | |
| Indeno (1,2,3-cd) pyrene | 0.0139 | 0.00500 | " | 0.0333 | ND | 41.7 | 30-120 | 2.70 | 30 | |
| Pyrene | 0.0177 | 0.00500 | " | 0.0333 | ND | 53.1 | 35-142 | 6.80 | 30 | |
| 1-Methylnaphthalene | 0.0148 | 0.00500 | " | 0.0333 | ND | 44.4 | 15-130 | 0.633 | 50 | |
| 2-Methylnaphthalene | 0.0142 | 0.00500 | " | 0.0333 | 0.00577 | 25.4 | 15-130 | 4.70 | 50 | |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0146</i> | | <i>"</i> | <i>0.0333</i> | | <i>43.9</i> | <i>40-150</i> | | | |
| <i>Surrogate: Fluoranthene-d10</i> | <i>0.0169</i> | | <i>"</i> | <i>0.0333</i> | | <i>50.8</i> | <i>40-150</i> | | | |

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Wells Ranch USX AE T6N-R62W-S29 L02

Project Number: UWRWE-A4187-ABN
 Project Manager: Paul Henchan

Reported:
 10/14/24 13:20

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 BHJ0370 - EPA 3050B

Blank (BHJ0370-BLK1)

Prepared & Analyzed: 10/10/24

Boron ND 2.00 mg/L

LCS (BHJ0370-BS1)

Prepared & Analyzed: 10/10/24

Boron 5.11 2.00 mg/L 5.00 102 80-120

Duplicate (BHJ0370-DUP1)

Source: 2410133-01

Prepared & Analyzed: 10/10/24

Boron 0.118 2.00 mg/L 0.172 36.6 20 QR-01

Matrix Spike (BHJ0370-MS1)

Source: 2410133-01

Prepared & Analyzed: 10/10/24

Boron 5.07 2.00 mg/L 5.00 0.172 98.0 75-125

Matrix Spike Dup (BHJ0370-MSD1)

Source: 2410133-01

Prepared & Analyzed: 10/10/24

Boron 5.27 2.00 mg/L 5.00 0.172 102 75-125 3.85 25

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Project: Noble - Wells Ranch USX AE T6N-R62W-S29 L02

Project Number: UWRWE-A4187-ABN
Project Manager: Paul Henchan

Reported:
10/14/24 13:20

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 BHJ0369 - EPA 3050B

Blank (BHJ0369-BLK1)

Prepared & Analyzed: 10/10/24

| | | | | | | | | | |
|----------|----|--------|-----------|--|--|--|--|--|--|
| 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 (BHJ0369-BS1)

Prepared & Analyzed: 10/10/24

| | | | | | | |
|----------|------|--------|-----------|------|------|--------|
| Arsenic | 36.1 | 0.200 | mg/kg wet | 39.4 | 91.7 | 80-120 |
| Barium | 34.7 | 0.400 | " | 39.4 | 88.1 | 80-120 |
| Cadmium | 1.77 | 0.200 | " | 1.97 | 90.1 | 80-120 |
| Copper | 35.9 | 0.400 | " | 39.4 | 91.3 | 80-120 |
| Lead | 17.8 | 0.200 | " | 19.7 | 90.4 | 80-120 |
| Nickel | 36.1 | 0.400 | " | 39.4 | 91.7 | 80-120 |
| Silver | 1.79 | 0.0200 | " | 1.97 | 90.8 | 80-120 |
| Zinc | 36.2 | 0.400 | " | 39.4 | 91.9 | 80-120 |
| Selenium | 3.98 | 0.260 | " | 3.94 | 101 | 80-120 |

Duplicate (BHJ0369-DUP1)

Source: 2410133-01

Prepared & Analyzed: 10/10/24

| | | | | | | |
|----------|--------|--------|-----------|--------|--------|----|
| Arsenic | 2.54 | 0.200 | mg/kg dry | 2.52 | 0.512 | 20 |
| Barium | 76.5 | 0.400 | " | 68.9 | 10.5 | 20 |
| Cadmium | 0.0557 | 0.200 | " | 0.0558 | 0.0727 | 20 |
| Copper | 5.29 | 0.400 | " | 5.19 | 1.92 | 20 |
| Lead | 4.81 | 0.200 | " | 4.57 | 5.05 | 20 |
| Nickel | 6.26 | 0.400 | " | 6.03 | 3.63 | 20 |
| Silver | 0.0169 | 0.0200 | " | 0.0170 | 0.618 | 20 |
| Zinc | 27.9 | 0.400 | " | 26.2 | 6.27 | 20 |
| Selenium | ND | 0.260 | " | ND | | 20 |

Summit Scientific

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 Wellington CO, 80549

Project: Noble - Wells Ranch USX AE T6N-R62W-S29 L02

Project Number: UWRWE-A4187-ABN
 Project Manager: Paul Henchan

Reported:
 10/14/24 13:20

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 BHJ0369 - EPA 3050B

Matrix Spike (BHJ0369-MS1)

Source: 2410133-01

Prepared & Analyzed: 10/10/24

| | | | | | | | | | | |
|----------|------|--------|-----------|------|--------|------|--------|--|--|--|
| Arsenic | 38.8 | 0.200 | mg/kg dry | 39.8 | 2.52 | 91.3 | 75-125 | | | |
| Barium | 111 | 0.400 | " | 39.8 | 68.9 | 107 | 75-125 | | | |
| Cadmium | 1.84 | 0.200 | " | 1.99 | 0.0558 | 89.7 | 75-125 | | | |
| Copper | 41.3 | 0.400 | " | 39.8 | 5.19 | 90.9 | 75-125 | | | |
| Lead | 20.9 | 0.200 | " | 19.9 | 4.57 | 82.2 | 75-125 | | | |
| Nickel | 42.8 | 0.400 | " | 39.8 | 6.03 | 92.5 | 75-125 | | | |
| Silver | 1.83 | 0.0200 | " | 1.99 | 0.0170 | 91.0 | 75-125 | | | |
| Zinc | 63.6 | 0.400 | " | 39.8 | 26.2 | 94.2 | 75-125 | | | |
| Selenium | 3.79 | 0.260 | " | 3.98 | ND | 95.3 | 75-125 | | | |

Matrix Spike Dup (BHJ0369-MSD1)

Source: 2410133-01

Prepared & Analyzed: 10/10/24

| | | | | | | | | | |
|----------|------|--------|-----------|------|--------|------|--------|--------|----|
| Arsenic | 38.1 | 0.200 | mg/kg dry | 41.3 | 2.52 | 86.2 | 75-125 | 1.92 | 25 |
| Barium | 104 | 0.400 | " | 41.3 | 68.9 | 86.2 | 75-125 | 6.32 | 25 |
| Cadmium | 1.93 | 0.200 | " | 2.06 | 0.0558 | 90.9 | 75-125 | 4.83 | 25 |
| Copper | 40.1 | 0.400 | " | 41.3 | 5.19 | 84.5 | 75-125 | 3.11 | 25 |
| Lead | 20.7 | 0.200 | " | 20.6 | 4.57 | 77.9 | 75-125 | 1.21 | 25 |
| Nickel | 42.2 | 0.400 | " | 41.3 | 6.03 | 87.7 | 75-125 | 1.36 | 25 |
| Silver | 1.81 | 0.0200 | " | 2.06 | 0.0170 | 87.1 | 75-125 | 0.643 | 25 |
| Zinc | 62.0 | 0.400 | " | 41.3 | 26.2 | 86.8 | 75-125 | 2.63 | 25 |
| Selenium | 3.79 | 0.260 | " | 4.13 | ND | 91.9 | 75-125 | 0.0326 | 25 |

Summit Scientific

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Project: Noble - Wells Ranch USX AE T6N-R62W-S29 L02

Project Number: UWRWE-A4187-ABN
 Project Manager: Paul Henchan

Reported:
 10/14/24 13:20

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

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

Batch BHJ0364 - 3060A Mod

Blank (BHJ0364-BLK1)

Prepared & Analyzed: 10/10/24

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BHJ0364-BS1)

Prepared & Analyzed: 10/10/24

Chromium, Hexavalent 26.4 0.30 mg/kg wet 25.0 105 80-120

Duplicate (BHJ0364-DUP1)

Source: 2410133-01

Prepared & Analyzed: 10/10/24

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BHJ0364-MS1)

Source: 2410133-01

Prepared & Analyzed: 10/10/24

Chromium, Hexavalent 29.4 0.30 mg/kg dry 27.2 ND 108 75-125

Matrix Spike Dup (BHJ0364-MSD1)

Source: 2410133-01

Prepared & Analyzed: 10/10/24

Chromium, Hexavalent 28.9 0.30 mg/kg dry 27.2 ND 106 75-125 1.68 20

Summit Scientific

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Project: Noble - Wells Ranch USX AE T6N-R62W-S29 L02

Project Number: UWRWE-A4187-ABN
 Project Manager: Paul Henchan

Reported:
 10/14/24 13:20

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 BHJ0343 - General Preparation

Blank (BHJ0343-BLK1)

Prepared: 10/09/24 Analyzed: 10/10/24

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

LCS (BHJ0343-BS1)

Prepared: 10/09/24 Analyzed: 10/10/24

| | | | | | | | | | | |
|-----------|------|--------|----------|------|-----|--------|--|--|--|--|
| Calcium | 5.18 | 0.0500 | mg/L wet | 5.00 | 104 | 70-130 | | | | |
| Magnesium | 5.04 | 0.0500 | " | 5.00 | 101 | 70-130 | | | | |
| Sodium | 5.24 | 0.0500 | " | 5.00 | 105 | 70-130 | | | | |

Summit Scientific

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Project: Noble - Wells Ranch USX AE T6N-R62W-S29 L02

Project Number: UWRWE-A4187-ABN
 Project Manager: Paul Henchan

Reported:
 10/14/24 13:20

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 BHJ0355 - General Preparation

Duplicate (BHJ0355-DUP1)

Source: 2410133-01

Prepared & Analyzed: 10/10/24

| | | | | | | | | | | |
|----------|------|--|---|--|------|--|--|--------|----|--|
| % Solids | 91.7 | | % | | 91.8 | | | 0.0657 | 20 | |
|----------|------|--|---|--|------|--|--|--------|----|--|

Summit Scientific



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Project: Noble - Wells Ranch USX AE T6N-R62W-S29 L02

Project Number: UWRWE-A4187-ABN
 Project Manager: Paul Henchan

Reported:
 10/14/24 13:20

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

Summit Scientific

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

Batch BHJ0352 - General Preparation

Blank (BHJ0352-BLK1)

Prepared: 10/09/24 Analyzed: 10/10/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BHJ0352-BS1)

Prepared: 10/09/24 Analyzed: 10/10/24

Specific Conductance (EC) 0.152 0.0100 mmhos/cm 0.150 101 95-105

Duplicate (BHJ0352-DUP1)

Source: 2410125-01

Prepared: 10/09/24 Analyzed: 10/10/24

Specific Conductance (EC) 2.86 0.0100 mmhos/cm 2.90 1.25 20

Summit Scientific

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 Wellington CO, 80549

Project: Noble - Wells Ranch USX AE T6N-R62W-S29 L02

Project Number: UWRWE-A4187-ABN
 Project Manager: Paul Henchan

Reported:
 10/14/24 13:20

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 BHJ0351 - General Preparation

LCS (BHJ0351-BS1)

Prepared: 10/09/24 Analyzed: 10/10/24

| | | | | | |
|----|------|----------|------|-----|--------|
| pH | 9.19 | pH Units | 9.18 | 100 | 95-105 |
|----|------|----------|------|-----|--------|

Duplicate (BHJ0351-DUP1)

Source: 2410125-01

Prepared: 10/09/24 Analyzed: 10/10/24

| | | | | | |
|----|------|----------|------|-------|----|
| pH | 8.09 | pH Units | 8.05 | 0.496 | 20 |
|----|------|----------|------|-------|----|

Summit Scientific



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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Project: Noble - Wells Ranch USX AE T6N-R62W-S29 L02

Project Number: UWRWE-A4187-ABN
Project Manager: Paul Henchan

Reported:
10/14/24 13:20

Notes and Definitions

- S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
- QR-01 Analyses are not controlled on RPD values from sample concentrations below the reporting limit. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.
- E The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
- 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