

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

November 15, 2023

Paul Henchan
Fremont Environmental
PO Box 1289
Wellington, CO 80549
RE: Noble - Kissler 3X
Work Order #2311079

Enclosed are the results of analyses for samples received by Summit Scientific on 11/02/23 16:30. 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 "nd" at the end of the last name.

Jacob Wood For Paul Shrewsbury
President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/15/23 12:01

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-------------|---------------|--------|----------------|----------------|
| SB-CEN 11FT | 2311079-01 | Soil | 11/02/23 00:00 | 11/02/23 16:30 |
| SB-N 11FT | 2311079-02 | Soil | 11/02/23 00:00 | 11/02/23 16:30 |
| SB-N2 11FT | 2311079-03 | Soil | 11/02/23 00:00 | 11/02/23 16:30 |
| SB-N4 12FT | 2311079-04 | Soil | 11/02/23 00:00 | 11/02/23 16:30 |
| SB-W 11FT | 2311079-05 | Soil | 11/02/23 00:00 | 11/02/23 16:30 |
| SB-S 12FT | 2311079-06 | Soil | 11/02/23 00:00 | 11/02/23 16:30 |
| SB-E 11FT | 2311079-07 | Soil | 11/02/23 00:00 | 11/02/23 16:30 |
| SB-E2 12FT | 2311079-08 | Soil | 11/02/23 00:00 | 11/02/23 16:30 |
| W1 | 2311079-09 | Water | 11/02/23 00:00 | 11/02/23 16:30 |

Summit Scientific

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

| | |
|---------|-------------|
| Lab ID | Page 1 of 1 |
| 2311079 | |

| | | |
|---------------------------------------|---|------------------------------|
| Send Data To: | | Send Invoice To: |
| Client: Fremont Environmental, Inc. | Project Manager: Henehan | Company: <i>Chevron</i> |
| Address: 8305 6th St. | E-Mail: Fremont Distribution List | Project Name/Location: |
| City/State/Zip: Wellington, CO, 80549 | | AFE#: |
| Phone: 603-477-6907 | Project Name: <i>Noble - Kissler 3X</i> | PO/Billing Codes: |
| Sampler Name: Ethan Black | Project Number: | Contact: <i>Dan Peterson</i> |

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | Air-Canister # | Other | Analysis Requested | | | | | | Special Instructions |
|----|--------------------|--------------|--------------|-----------------|--------------|------|------|-------|--------|------|----------------|-------|-------------------------|--------------|-----|--------------------|------------------------|----------------|----------------------|
| | | | | | HCl | HNO3 | None | Other | Water | Soil | | | BTEX, Naphthalene, TMBs | TPH (C6-C36) | PAH | SAR, EC, pH, Boron | TDS, Chloride, Sulfate | Metals (915-1) | |
| 1 | SB-CEN 11FT | 11/2/23 | | 2 | | | X | | | | | X | X | X | X | X | | | |
| 2 | SB-N 11FT | | | 1 | | | X | | | | | X | X | X | X | X | | | |
| 3 | SB-N2 11FT | | | 1 | | | X | | | | | X | X | X | X | X | | | |
| 4 | SB-N4 12FT | | | 1 | | | X | | | | | X | X | X | X | X | | | |
| 5 | SB-W 11FT | | | 1 | | | X | | | | | X | X | X | X | X | | | |
| 6 | SB-S 12FT | | | 1 | | | X | | | | | X | X | X | X | X | | | |
| 7 | SB-E 11FT | | | 1 | | | X | | | | | X | X | X | X | X | | | |
| 8 | SB-E2 12FT | | | 1 | | | X | | | | | X | X | X | X | X | | | |
| 9 | W1 | | | 3 | X | | | | X | | | X | X | X | X | X | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | |

| | | | | | | |
|-------------------------------------|--------------------------|---------------------------------|-------------------------|-------------------|---|--------|
| Relinquished by: <i>Ethan Black</i> | Date/Time: 11/2/23 1449 | Received by: S2 - North Office | Date/Time: 11/2/23 1449 | TAT Business Days | Field DO | Notes: |
| Relinquished by: <i>S2</i> | Date/Time: 11/2/23 1650 | Received by: <i>[Signature]</i> | Date/Time: 11/2/23 1630 | Same Day | Field EC | |
| | | | | 1 Day | Field ORP | |
| | | | | 2 Days | Field pH | |
| | | | | 3 Days | Field Temp. | |
| | | | | Standard | <input checked="" type="checkbox"/> Field Turb. | |
| Temperature Upon Receipt: 9.0 | Corrected Temperature: 9 | IR gun #: 1 | HNO3 lot #: | | | |

S₂

Sample Receipt Checklist

S2 Work Order# 2311079

Client: Fremont

Client Project ID: Noble-Kessler 3X

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"/> | |
| If custody seals are present, are they intact? (1) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | OK |
| 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"/> | no time stamps |
| 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 checked="" type="checkbox"/> | <input 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 checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | HCl |
| 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

11/2/23

Date/Time

11 23



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/15/23 12:01

SB-CEN 11FT
2311079-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 0.016 | 0.0020 | mg/kg | 1 | BGK0176 | 11/06/23 | 11/07/23 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | 5.0 | 0.050 | " | 10 | " | " | 11/07/23 | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | 1 | " | " | 11/07/23 | " | |
| Naphthalene | 0.47 | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 27 | 0.50 | " | " | " | " | 11/07/23 | " | |

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | 0.0518 | 129 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0420 | 105 % | 50-150 | | " | " | 11/07/23 | " | |
| Surrogate: 4-Bromofluorobenzene | 0.0628 | 157 % | 50-150 | | " | " | " | " | S-02 |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | 230 | 50 | mg/kg | 1 | BGK0178 | 11/06/23 | 11/07/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | 9.00 | 72.0 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/15/23 12:01

SB-CEN 11FT
2311079-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|----------------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BGK0199 | 11/07/23 | 11/07/23 | EPA 8270D SIM | |
| Anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) anthracene | 0.0103 | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Chrysene | 0.00674 | 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 | 0.00587 | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | 5.30 | 0.0500 | " | 10 | " | " | 11/09/23 | " | E |
| 2-Methylnaphthalene | 12.6 | 0.0500 | " | " | " | " | " | " | E |

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0399 | 120 % | 40-150 | | " | " | 11/07/23 | " | |
| Surrogate: Fluoranthene-d10 | 0.0198 | 59.5 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | ND | 2.00 | mg/L | 1 | BGK0298 | 11/08/23 | 11/10/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **11/02/23 00:00**

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

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/15/23 12:01

SB-CEN 11FT
2311079-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|
| Arsenic | 3.86 | 0.200 | mg/kg dry | 1 | BGK0386 | 11/10/23 | 11/13/23 | EPA 6020B |
| Barium | 128 | 0.400 | " | " | " | " | " | " |
| Cadmium | 0.347 | 0.200 | " | " | " | " | " | " |
| Copper | 7.78 | 0.400 | " | " | " | " | " | " |
| Lead | 8.75 | 0.200 | " | " | " | " | " | " |
| Nickel | 5.78 | 0.400 | " | " | " | " | " | " |
| Silver | 0.0592 | 0.0200 | " | " | " | " | " | " |
| Zinc | 21.1 | 0.400 | " | " | " | " | " | " |
| Selenium | ND | 0.260 | " | " | " | " | " | " |

Hexavalent Chromium by EPA Method 7196

Date Sampled: 11/02/23 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BGK0316 | 11/08/23 | 11/13/23 | EPA 7196A | |

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

Date Sampled: 11/02/23 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 31.3 | 0.0500 | mg/L dry | 1 | BGK0397 | 11/10/23 | 11/13/23 | EPA 6020B | |
| Magnesium | 5.00 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 41.7 | 0.0500 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: 11/02/23 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 1.83 | 0.00100 | units | 1 | BGK0555 | 11/15/23 | 11/15/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: 11/02/23 00:00

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

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 11/15/23 12:01

**SB-CEN 11FT
 2311079-01 (Soil)**

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

| | | | | | | | |
|----------|------|---|---|---------|----------|----------|-------------|
| % Solids | 79.0 | % | 1 | BGK0452 | 11/13/23 | 11/13/23 | Calculation |
|----------|------|---|---|---------|----------|----------|-------------|

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **11/02/23 00:00**


| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.252 | 0.0100 | mmhos/cm | 1 | BGK0428 | 11/13/23 | 11/13/23 | EPA 120.1 | |

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

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 9.35 | | pH Units | 1 | BGK0427 | 11/13/23 | 11/13/23 | EPA 9045D | |

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/15/23 12:01

SB-N 11FT
2311079-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 0.026 | 0.0020 | mg/kg | 1 | BGK0176 | 11/06/23 | 11/07/23 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | 0.049 | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | 0.62 | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 73 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | 0.0524 | 131 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0391 | 97.8 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.180 | 450 % | 50-150 | | " | " | " | " | S-02 |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | 770 | 50 | mg/kg | 1 | BGK0178 | 11/06/23 | 11/07/23 | EPA 8015M | |
| C28-C36 (ORO) | 59 | 50 | " | " | " | " | " | " | |

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | 8.09 | 64.7 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

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PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/15/23 12:01

SB-N 11FT
2311079-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|----------------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BGK0199 | 11/07/23 | 11/07/23 | EPA 8270D SIM | |
| Anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) anthracene | 0.0148 | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Chrysene | 0.00974 | 0.00500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluoranthene | 0.00983 | 0.00500 | " | " | " | " | " | " | |
| Fluorene | 0.115 | 0.00500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Pyrene | 0.00894 | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | 1.11 | 0.250 | " | 50 | " | " | 11/09/23 | " | |
| 2-Methylnaphthalene | 2.66 | 0.250 | " | " | " | " | " | " | |

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.243 | 730 % | 40-150 | | " | " | 11/07/23 | " | S-02 |
| Surrogate: Fluoranthene-d10 | 0.0229 | 68.7 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | ND | 2.00 | mg/L | 1 | BGK0298 | 11/08/23 | 11/10/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **11/02/23 00:00**

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

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/15/23 12:01

SB-N 11FT
2311079-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 2.68 | 0.200 | mg/kg dry | 1 | BGK0386 | 11/10/23 | 11/13/23 | EPA 6020B | |
| Barium | 72.2 | 0.400 | " | " | " | " | " | " | |
| Cadmium | ND | 0.200 | " | " | " | " | " | " | |
| Copper | 4.62 | 0.400 | " | " | " | " | " | " | |
| Lead | 5.54 | 0.200 | " | " | " | " | " | " | |
| Nickel | 4.03 | 0.400 | " | " | " | " | " | " | |
| Silver | 0.0314 | 0.0200 | " | " | " | " | " | " | |
| Zinc | 15.2 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: 11/02/23 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BGK0316 | 11/08/23 | 11/13/23 | EPA 7196A | |

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

Date Sampled: 11/02/23 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 299 | 0.0500 | mg/L dry | 1 | BGK0397 | 11/10/23 | 11/13/23 | EPA 6020B | |
| Magnesium | 19.6 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 59.2 | 0.0500 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: 11/02/23 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.897 | 0.00100 | units | 1 | BGK0555 | 11/15/23 | 11/15/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

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.



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 11/15/23 12:01

SB-N 11FT
2311079-02 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 85.4 | | % | 1 | BGK0452 | 11/13/23 | 11/13/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **11/02/23 00:00**


| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.390 | 0.0100 | mmhos/cm | 1 | BGK0428 | 11/13/23 | 11/13/23 | EPA 120.1 | |

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

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 9.42 | | pH Units | 1 | BGK0427 | 11/13/23 | 11/13/23 | EPA 9045D | |

Summit Scientific



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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/15/23 12:01

SB-N2 11FT
2311079-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|-------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 0.38 | 0.0020 | mg/kg | 1 | BGK0176 | 11/06/23 | 11/07/23 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | 0.14 | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | 0.39 | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 1100 | 50 | " | 100 | " | " | 11/07/23 | " | |

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | 0.0625 | 156 % | 50-150 | " | " | " | 11/07/23 | " | S-02 |
| Surrogate: Toluene-d8 | 0.0572 | 143 % | 50-150 | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 1.07 | 2670 % | 50-150 | " | " | " | " | " | S-02 |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | 590 | 50 | mg/kg | 1 | BGK0178 | 11/06/23 | 11/07/23 | EPA 8015M | |
| C28-C36 (ORO) | 70 | 50 | " | " | " | " | " | " | |

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | 5.99 | 47.9 % | 30-150 | " | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/15/23 12:01

SB-N2 11FT
2311079-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|---------------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BGK0199 | 11/07/23 | 11/07/23 | EPA 8270D SIM | |
| Anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) anthracene | 0.0266 | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Chrysene | 0.0395 | 0.00500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluorene | 0.102 | 0.00500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Pyrene | 0.0444 | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | 0.920 | 0.0500 | " | 10 | " | " | 11/09/23 | " | |
| 2-Methylnaphthalene | 2.44 | 0.0500 | " | " | " | " | " | " | E |

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0292 | 87.7 % | 40-150 | | " | " | 11/07/23 | " | |
| Surrogate: Fluoranthene-d10 | 0.0134 | 40.1 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | ND | 2.00 | mg/L | 1 | BGK0298 | 11/08/23 | 11/10/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **11/02/23 00:00**

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

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.



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/15/23 12:01

SB-N2 11FT
2311079-03 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 4.51 | 0.200 | mg/kg dry | 1 | BGK0386 | 11/10/23 | 11/13/23 | EPA 6020B | |
| Barium | 82.9 | 0.400 | " | " | " | " | " | " | |
| Cadmium | ND | 0.200 | " | " | " | " | " | " | |
| Copper | 5.00 | 0.400 | " | " | " | " | " | " | |
| Lead | 6.32 | 0.200 | " | " | " | " | " | " | |
| Nickel | 5.19 | 0.400 | " | " | " | " | " | " | |
| Silver | 0.0218 | 0.0200 | " | " | " | " | " | " | |
| Zinc | 14.8 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: 11/02/23 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BGK0316 | 11/08/23 | 11/13/23 | EPA 7196A | |

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

Date Sampled: 11/02/23 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 81.9 | 0.0500 | mg/L dry | 1 | BGK0397 | 11/10/23 | 11/13/23 | EPA 6020B | |
| Magnesium | 10.4 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 69.4 | 0.0500 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: 11/02/23 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 1.92 | 0.00100 | units | 1 | BGK0555 | 11/15/23 | 11/15/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 11/15/23 12:01

SB-N2 11FT
2311079-03 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 86.3 | | % | 1 | BGK0452 | 11/13/23 | 11/13/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **11/02/23 00:00**

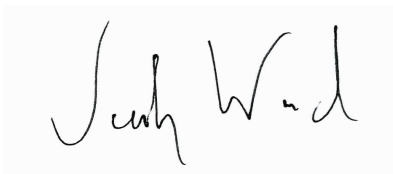
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.304 | 0.0100 | mmhos/cm | 1 | BGK0428 | 11/13/23 | 11/13/23 | EPA 120.1 | |

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

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.45 | | pH Units | 1 | BGK0427 | 11/13/23 | 11/13/23 | EPA 9045D | |

Summit Scientific



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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/15/23 12:01

SB-N4 12FT
2311079-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | ND | 0.0020 | | mg/kg | 1 | BGK0176 | 11/06/23 | 11/07/23 | 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: **11/02/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0484 | 121 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0419 | 105 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.0419 | 105 % | | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| C10-C28 (DRO) | ND | 50 | | mg/kg | 1 | BGK0178 | 11/06/23 | 11/07/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | | " | " | " | " | " | " | |

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: o-Terphenyl | 5.79 | 46.3 % | | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/15/23 12:01

SB-N4 12FT
2311079-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BGK0199 | 11/07/23 | 11/07/23 | 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: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0135 | 40.5 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0152 | 45.6 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | ND | 2.00 | mg/L | 1 | BGK0298 | 11/08/23 | 11/10/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **11/02/23 00:00**

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

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/15/23 12:01

SB-N4 12FT
2311079-04 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 1.84 | 0.200 | mg/kg dry | 1 | BGK0386 | 11/10/23 | 11/13/23 | EPA 6020B | |
| Barium | 38.0 | 0.400 | " | " | " | " | " | " | |
| Cadmium | ND | 0.200 | " | " | " | " | " | " | |
| Copper | 2.68 | 0.400 | " | " | " | " | " | " | |
| Lead | 3.55 | 0.200 | " | " | " | " | " | " | |
| Nickel | 2.70 | 0.400 | " | " | " | " | " | " | |
| Silver | 0.0254 | 0.0200 | " | " | " | " | " | " | |
| Zinc | 9.56 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: 11/02/23 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BGK0316 | 11/08/23 | 11/13/23 | EPA 7196A | |

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

Date Sampled: 11/02/23 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 28.6 | 0.0500 | mg/L dry | 1 | BGK0397 | 11/10/23 | 11/13/23 | EPA 6020B | |
| Magnesium | 6.47 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 50.3 | 0.0500 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: 11/02/23 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 2.21 | 0.00100 | units | 1 | BGK0555 | 11/15/23 | 11/15/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 11/15/23 12:01

SB-N4 12FT
2311079-04 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 83.4 | | % | 1 | BGK0452 | 11/13/23 | 11/13/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.270 | 0.0100 | mmhos/cm | 1 | BGK0428 | 11/13/23 | 11/13/23 | EPA 120.1 | |

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

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.76 | | pH Units | 1 | BGK0427 | 11/13/23 | 11/13/23 | EPA 9045D | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/15/23 12:01

SB-W 11FT
2311079-05 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BGK0176 | 11/06/23 | 11/07/23 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | 0.0058 | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | 0.0039 | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | 0.0566 | 141 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0443 | 111 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.0431 | 108 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BGK0178 | 11/06/23 | 11/07/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | 5.77 | 46.1 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

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.



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/15/23 12:01

SB-W 11FT
2311079-05 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------|----------------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BGK0199 | 11/07/23 | 11/07/23 | 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 | 0.00949 | 0.00500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | 0.0130 | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | 0.00755 | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0172 | 51.6 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0143 | 43.0 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | ND | 2.00 | mg/L | 1 | BGK0298 | 11/08/23 | 11/10/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **11/02/23 00:00**

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

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.



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/15/23 12:01

SB-W 11FT
2311079-05 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|
| Arsenic | 6.79 | 0.200 | mg/kg dry | 1 | BGK0386 | 11/10/23 | 11/13/23 | EPA 6020B |
| Barium | 195 | 0.400 | " | " | " | " | " | " |
| Cadmium | 0.314 | 0.200 | " | " | " | " | " | " |
| Copper | 8.46 | 0.400 | " | " | " | " | " | " |
| Lead | 10.8 | 0.200 | " | " | " | " | " | " |
| Nickel | 5.91 | 0.400 | " | " | " | " | " | " |
| Silver | 0.0528 | 0.0200 | " | " | " | " | " | " |
| Zinc | 22.6 | 0.400 | " | " | " | " | " | " |
| Selenium | ND | 0.260 | " | " | " | " | " | " |

Hexavalent Chromium by EPA Method 7196

Date Sampled: 11/02/23 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BGK0316 | 11/08/23 | 11/13/23 | EPA 7196A | |

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

Date Sampled: 11/02/23 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 40.9 | 0.0500 | mg/L dry | 1 | BGK0397 | 11/10/23 | 11/13/23 | EPA 6020B | |
| Magnesium | 7.36 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 43.3 | 0.0500 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: 11/02/23 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 1.64 | 0.00100 | units | 1 | BGK0555 | 11/15/23 | 11/15/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: 11/02/23 00:00

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

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.



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 11/15/23 12:01

SB-W 11FT
2311079-05 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

| | | | | | | | |
|-----------------|-------------|---|---|---------|----------|----------|-------------|
| % Solids | 78.1 | % | 1 | BGK0452 | 11/13/23 | 11/13/23 | Calculation |
|-----------------|-------------|---|---|---------|----------|----------|-------------|

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **11/02/23 00:00**


| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.398 | 0.0100 | mmhos/cm | 1 | BGK0428 | 11/13/23 | 11/13/23 | EPA 120.1 | |

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

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.45 | | pH Units | 1 | BGK0427 | 11/13/23 | 11/13/23 | EPA 9045D | |

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.



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/15/23 12:01

SB-S 12FT
2311079-06 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | ND | 0.0020 | | mg/kg | 1 | BGK0176 | 11/06/23 | 11/07/23 | 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: **11/02/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0505 | 126 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0419 | 105 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.0431 | 108 % | | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| C10-C28 (DRO) | ND | 50 | | mg/kg | 1 | BGK0178 | 11/06/23 | 11/07/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | | " | " | " | " | " | " | |

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: o-Terphenyl | 6.80 | 54.4 % | | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 11/15/23 12:01

SB-S 12FT
2311079-06 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BGK0199 | 11/07/23 | 11/07/23 | 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: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0134 | 40.3 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0183 | 55.0 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | ND | 2.00 | mg/L | 1 | BGK0298 | 11/08/23 | 11/10/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **11/02/23 00:00**

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

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.



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/15/23 12:01

SB-S 12FT
2311079-06 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 5.59 | 0.200 | mg/kg dry | 1 | BGK0386 | 11/10/23 | 11/13/23 | EPA 6020B | |
| Barium | 269 | 0.400 | " | " | " | " | " | " | |
| Cadmium | 0.233 | 0.200 | " | " | " | " | " | " | |
| Copper | 6.57 | 0.400 | " | " | " | " | " | " | |
| Lead | 7.39 | 0.200 | " | " | " | " | " | " | |
| Nickel | 5.11 | 0.400 | " | " | " | " | " | " | |
| Silver | 0.0389 | 0.0200 | " | " | " | " | " | " | |
| Zinc | 16.4 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: 11/02/23 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BGK0316 | 11/08/23 | 11/13/23 | EPA 7196A | |

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

Date Sampled: 11/02/23 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 32.2 | 0.0500 | mg/L dry | 1 | BGK0397 | 11/10/23 | 11/13/23 | EPA 6020B | |
| Magnesium | 9.66 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 40.6 | 0.0500 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: 11/02/23 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 1.61 | 0.00100 | units | 1 | BGK0555 | 11/15/23 | 11/15/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: 11/02/23 00:00

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

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.



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 11/15/23 12:01

SB-S 12FT
2311079-06 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

| | | | | | | | |
|----------|------|---|---|---------|----------|----------|-------------|
| % Solids | 84.3 | % | 1 | BGK0452 | 11/13/23 | 11/13/23 | Calculation |
|----------|------|---|---|---------|----------|----------|-------------|

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **11/02/23 00:00**


| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.120 | 0.0100 | mmhos/cm | 1 | BGK0428 | 11/13/23 | 11/13/23 | EPA 120.1 | |

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

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.92 | | pH Units | 1 | BGK0427 | 11/13/23 | 11/13/23 | EPA 9045D | |

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.



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/15/23 12:01

SB-E 11FT
2311079-07 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | ND | 0.0020 | | mg/kg | 1 | BGK0176 | 11/06/23 | 11/07/23 | EPA 8260B | |
| Toluene | ND | 0.0050 | | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | 0.50 | 0.0050 | | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | 0.058 | 0.0050 | | " | " | " | " | " | " | |
| Naphthalene | 0.13 | 0.0038 | | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 13 | 0.50 | | " | " | " | " | " | " | |

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 0.0495 | 124 % | | 50-150 | | " | " | " | " | |
| <i>Surrogate: Toluene-d8</i> | 0.0438 | 110 % | | 50-150 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 0.0629 | 157 % | | 50-150 | | " | " | " | " | S-02 |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|------------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| C10-C28 (DRO) | 120 | 50 | | mg/kg | 1 | BGK0178 | 11/06/23 | 11/07/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | | " | " | " | " | " | " | |

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| <i>Surrogate: o-Terphenyl</i> | 7.66 | 61.3 % | | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/15/23 12:01

SB-E 11FT
2311079-07 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------|--------------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BGK0199 | 11/07/23 | 11/07/23 | 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 | 0.209 | 0.00500 | " | " | " | " | " | " | E |
| 2-Methylnaphthalene | 0.468 | 0.00500 | " | " | " | " | " | " | E |

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0216 | 64.7 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0189 | 56.8 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | ND | 2.00 | mg/L | 1 | BGK0298 | 11/08/23 | 11/10/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **11/02/23 00:00**

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

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/15/23 12:01

SB-E 11FT
2311079-07 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 1.92 | 0.200 | mg/kg dry | 1 | BGK0386 | 11/10/23 | 11/13/23 | EPA 6020B | |
| Barium | 62.2 | 0.400 | " | " | " | " | " | " | |
| Cadmium | ND | 0.200 | " | " | " | " | " | " | |
| Copper | 3.44 | 0.400 | " | " | " | " | " | " | |
| Lead | 6.23 | 0.200 | " | " | " | " | " | " | |
| Nickel | 4.14 | 0.400 | " | " | " | " | " | " | |
| Silver | 0.0388 | 0.0200 | " | " | " | " | " | " | |
| Zinc | 15.8 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: 11/02/23 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BGK0316 | 11/08/23 | 11/13/23 | EPA 7196A | |

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

Date Sampled: 11/02/23 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 23.3 | 0.0500 | mg/L dry | 1 | BGK0397 | 11/10/23 | 11/13/23 | EPA 6020B | |
| Magnesium | 5.29 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 3.62 | 0.0500 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: 11/02/23 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.177 | 0.00100 | units | 1 | BGK0555 | 11/15/23 | 11/15/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 11/15/23 12:01

SB-E 11FT
2311079-07 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 83.5 | | % | 1 | BGK0452 | 11/13/23 | 11/13/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **11/02/23 00:00**


| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.419 | 0.0100 | mmhos/cm | 1 | BGK0428 | 11/13/23 | 11/13/23 | EPA 120.1 | |

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

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.01 | | pH Units | 1 | BGK0427 | 11/13/23 | 11/13/23 | EPA 9045D | |

Summit Scientific



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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/15/23 12:01

SB-E2 12FT
2311079-08 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | ND | 0.0020 | | mg/kg | 1 | BGK0176 | 11/06/23 | 11/07/23 | 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: **11/02/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0500 | 125 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0416 | 104 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.0427 | 107 % | | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| C10-C28 (DRO) | ND | 50 | | mg/kg | 1 | BGK0178 | 11/06/23 | 11/07/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | | " | " | " | " | " | " | |

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: o-Terphenyl | 6.03 | 48.3 % | | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/15/23 12:01

SB-E2 12FT
2311079-08 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BGK0199 | 11/07/23 | 11/07/23 | 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: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0192 | 57.7 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0215 | 64.6 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | ND | 2.00 | mg/L | 1 | BGK0298 | 11/08/23 | 11/10/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **11/02/23 00:00**

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

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/15/23 12:01

SB-E2 12FT
2311079-08 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 2.43 | 0.200 | mg/kg dry | 1 | BGK0386 | 11/10/23 | 11/13/23 | EPA 6020B | |
| Barium | 56.2 | 0.400 | " | " | " | " | " | " | |
| Cadmium | ND | 0.200 | " | " | " | " | " | " | |
| Copper | 3.64 | 0.400 | " | " | " | " | " | " | |
| Lead | 5.01 | 0.200 | " | " | " | " | " | " | |
| Nickel | 3.22 | 0.400 | " | " | " | " | " | " | |
| Silver | 0.0250 | 0.0200 | " | " | " | " | " | " | |
| Zinc | 13.9 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: 11/02/23 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BGK0316 | 11/08/23 | 11/13/23 | EPA 7196A | |

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

Date Sampled: 11/02/23 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 31.2 | 0.0500 | mg/L dry | 1 | BGK0397 | 11/10/23 | 11/13/23 | EPA 6020B | |
| Magnesium | 7.21 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 47.7 | 0.0500 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: 11/02/23 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 2.01 | 0.00100 | units | 1 | BGK0555 | 11/15/23 | 11/15/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 11/15/23 12:01

SB-E2 12FT
2311079-08 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 86.3 | | % | 1 | BGK0452 | 11/13/23 | 11/13/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **11/02/23 00:00**

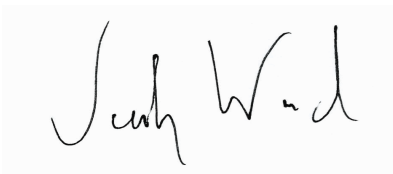
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.149 | 0.0100 | mmhos/cm | 1 | BGK0428 | 11/13/23 | 11/13/23 | EPA 120.1 | |

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

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.07 | | pH Units | 1 | BGK0427 | 11/13/23 | 11/13/23 | EPA 9045D | |

Summit Scientific



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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 11/15/23 12:01

W1
2311079-09 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

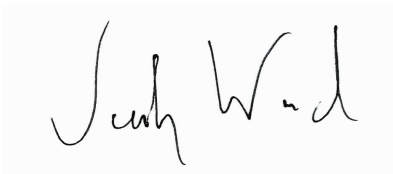
Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|------------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | ND | 1.0 | | ug/l | 1 | BGK0186 | 11/06/23 | 11/08/23 | EPA 8260B | |
| Toluene | ND | 1.0 | | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | | " | " | " | " | " | " | |
| Xylenes (total) | ND | 2.0 | | " | " | " | " | " | " | |
| Naphthalene | 4.5 | 1.0 | | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | 55 | 1.0 | | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | " | " | " | " | " | " | |

Date Sampled: **11/02/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 12.1 | 91.1 % | | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 13.3 | 99.5 % | | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 13.6 | 102 % | | 21-167 | | " | " | " | " | |

Summit Scientific



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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/15/23 12:01

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 BGK0176 - EPA 5030 Soil MS

Blank (BGK0176-BLK1)

Prepared & Analyzed: 11/06/23

| | | | | | | | | | | |
|---|---------------|--------|----------|---------------|--|------------|---------------|--|--|--|
| 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> | <i>0.0506</i> | | <i>"</i> | <i>0.0400</i> | | <i>126</i> | <i>50-150</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.0423</i> | | <i>"</i> | <i>0.0400</i> | | <i>106</i> | <i>50-150</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.0419</i> | | <i>"</i> | <i>0.0400</i> | | <i>105</i> | <i>50-150</i> | | | |

LCS (BGK0176-BS1)

Prepared & Analyzed: 11/06/23

| | | | | | | | | | | |
|---|---------------|--------|----------|---------------|--|-------------|---------------|--|--|--|
| Benzene | 0.110 | 0.0020 | mg/kg | 0.100 | | 110 | 70-130 | | | |
| Toluene | 0.107 | 0.0050 | " | 0.100 | | 107 | 70-130 | | | |
| Ethylbenzene | 0.107 | 0.0050 | " | 0.100 | | 107 | 70-130 | | | |
| m,p-Xylene | 0.213 | 0.010 | " | 0.200 | | 106 | 70-130 | | | |
| o-Xylene | 0.0934 | 0.0050 | " | 0.100 | | 93.4 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.0984 | 0.0050 | " | 0.100 | | 98.4 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0988 | 0.0050 | " | 0.100 | | 98.8 | 70-130 | | | |
| Naphthalene | 0.118 | 0.0038 | " | 0.100 | | 118 | 70-130 | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0459</i> | | <i>"</i> | <i>0.0400</i> | | <i>115</i> | <i>50-150</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.0421</i> | | <i>"</i> | <i>0.0400</i> | | <i>105</i> | <i>50-150</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.0390</i> | | <i>"</i> | <i>0.0400</i> | | <i>97.5</i> | <i>50-150</i> | | | |

Matrix Spike (BGK0176-MS1)

Source: 2311062-12

Prepared & Analyzed: 11/06/23

| | | | | | | | | | | |
|---|---------------|--------|----------|---------------|----|-------------|---------------|--|--|--|
| Benzene | 0.109 | 0.0020 | mg/kg | 0.100 | ND | 109 | 70-130 | | | |
| Toluene | 0.106 | 0.0050 | " | 0.100 | ND | 106 | 70-130 | | | |
| Ethylbenzene | 0.104 | 0.0050 | " | 0.100 | ND | 104 | 70-130 | | | |
| m,p-Xylene | 0.207 | 0.010 | " | 0.200 | ND | 104 | 70-130 | | | |
| o-Xylene | 0.0905 | 0.0050 | " | 0.100 | ND | 90.5 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.0921 | 0.0050 | " | 0.100 | ND | 92.1 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0936 | 0.0050 | " | 0.100 | ND | 93.6 | 70-130 | | | |
| Naphthalene | 0.100 | 0.0038 | " | 0.100 | ND | 100 | 70-130 | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0489</i> | | <i>"</i> | <i>0.0400</i> | | <i>122</i> | <i>50-150</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.0418</i> | | <i>"</i> | <i>0.0400</i> | | <i>104</i> | <i>50-150</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.0392</i> | | <i>"</i> | <i>0.0400</i> | | <i>97.9</i> | <i>50-150</i> | | | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/15/23 12:01

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 | | |

Batch BGK0176 - EPA 5030 Soil MS

Matrix Spike Dup (BGK0176-MSD1)

Source: 2311062-12

Prepared & Analyzed: 11/06/23

| | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|----|------|--------|-------|----|
| Benzene | 0.108 | 0.0020 | mg/kg | 0.100 | ND | 108 | 70-130 | 1.44 | 30 |
| Toluene | 0.105 | 0.0050 | " | 0.100 | ND | 105 | 70-130 | 0.256 | 30 |
| Ethylbenzene | 0.101 | 0.0050 | " | 0.100 | ND | 101 | 70-130 | 3.23 | 30 |
| m,p-Xylene | 0.201 | 0.010 | " | 0.200 | ND | 101 | 70-130 | 2.89 | 30 |
| o-Xylene | 0.0877 | 0.0050 | " | 0.100 | ND | 87.7 | 70-130 | 3.13 | 30 |
| 1,2,4-Trimethylbenzene | 0.0885 | 0.0050 | " | 0.100 | ND | 88.5 | 70-130 | 3.92 | 30 |
| 1,3,5-Trimethylbenzene | 0.0896 | 0.0050 | " | 0.100 | ND | 89.6 | 70-130 | 4.39 | 30 |
| Naphthalene | 0.0917 | 0.0038 | " | 0.100 | ND | 91.7 | 70-130 | 9.09 | 30 |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0484 | | " | 0.0400 | | 121 | 50-150 | | |
| Surrogate: Toluene-d8 | 0.0420 | | " | 0.0400 | | 105 | 50-150 | | |
| Surrogate: 4-Bromofluorobenzene | 0.0398 | | " | 0.0400 | | 99.4 | 50-150 | | |

Batch BGK0186 - EPA 5030 Water MS

Blank (BGK0186-BLK1)

Prepared: 11/06/23 Analyzed: 11/08/23

| | | | | | | | | | |
|----------------------------------|------|-----|------|------|--|------|--------|--|--|
| Benzene | ND | 1.0 | ug/l | | | | | | |
| Toluene | ND | 1.0 | " | | | | | | |
| Ethylbenzene | ND | 1.0 | " | | | | | | |
| Xylenes (total) | ND | 2.0 | " | | | | | | |
| Naphthalene | ND | 1.0 | " | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | " | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | " | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 14.0 | | " | 13.3 | | 105 | 23-173 | | |
| Surrogate: Toluene-d8 | 13.3 | | " | 13.3 | | 99.5 | 20-170 | | |
| Surrogate: 4-Bromofluorobenzene | 14.0 | | " | 13.3 | | 105 | 21-167 | | |

LCS (BGK0186-BS1)

Prepared: 11/06/23 Analyzed: 11/08/23

| | | | | | | | | | |
|----------------------------------|------|-----|------|------|--|------|--------|--|--|
| Benzene | 33.2 | 1.0 | ug/l | 33.3 | | 99.6 | 51-132 | | |
| Toluene | 31.2 | 1.0 | " | 33.3 | | 93.7 | 51-138 | | |
| Ethylbenzene | 31.4 | 1.0 | " | 33.3 | | 94.2 | 58-146 | | |
| m,p-Xylene | 60.5 | 2.0 | " | 66.7 | | 90.7 | 57-144 | | |
| o-Xylene | 30.7 | 1.0 | " | 33.3 | | 92.0 | 53-146 | | |
| Naphthalene | 35.9 | 1.0 | " | 33.3 | | 108 | 70-130 | | |
| 1,2,4-Trimethylbenzene | 30.2 | 1.0 | " | 33.3 | | 90.8 | 70-130 | | |
| 1,3,5-Trimethylbenzene | 31.4 | 1.0 | " | 33.3 | | 94.2 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 14.2 | | " | 13.3 | | 106 | 23-173 | | |
| Surrogate: Toluene-d8 | 15.6 | | " | 13.3 | | 117 | 20-170 | | |
| Surrogate: 4-Bromofluorobenzene | 15.9 | | " | 13.3 | | 119 | 21-167 | | |

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.



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/15/23 12:01

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 BGK0186 - EPA 5030 Water MS

Matrix Spike (BGK0186-MS1)

Source: 2311100-01

Prepared: 11/06/23 Analyzed: 11/08/23

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|----|------|--------|--|--|--|
| Benzene | 33.7 | 1.0 | ug/l | 33.3 | ND | 101 | 34-141 | | | |
| Toluene | 31.5 | 1.0 | " | 33.3 | ND | 94.6 | 27-151 | | | |
| Ethylbenzene | 32.1 | 1.0 | " | 33.3 | ND | 96.4 | 29-160 | | | |
| m,p-Xylene | 61.7 | 2.0 | " | 66.7 | ND | 92.5 | 20-166 | | | |
| o-Xylene | 31.2 | 1.0 | " | 33.3 | ND | 93.8 | 33-159 | | | |
| Naphthalene | 42.2 | 1.0 | " | 33.3 | ND | 127 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 30.7 | 1.0 | " | 33.3 | ND | 92.0 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 31.6 | 1.0 | " | 33.3 | ND | 94.8 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 14.8 | | " | 13.3 | | 111 | 23-173 | | | |
| Surrogate: Toluene-d8 | 15.7 | | " | 13.3 | | 118 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 16.3 | | " | 13.3 | | 122 | 21-167 | | | |

Matrix Spike Dup (BGK0186-MSD1)

Source: 2311100-01

Prepared: 11/06/23 Analyzed: 11/08/23

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|----|------|--------|------|----|--|
| Benzene | 34.1 | 1.0 | ug/l | 33.3 | ND | 102 | 34-141 | 1.00 | 30 | |
| Toluene | 39.4 | 1.0 | " | 33.3 | ND | 118 | 27-151 | 22.2 | 30 | |
| Ethylbenzene | 35.0 | 1.0 | " | 33.3 | ND | 105 | 29-160 | 8.70 | 30 | |
| m,p-Xylene | 68.0 | 2.0 | " | 66.7 | ND | 102 | 20-166 | 9.81 | 30 | |
| o-Xylene | 35.2 | 1.0 | " | 33.3 | ND | 105 | 33-159 | 11.7 | 30 | |
| Naphthalene | 31.4 | 1.0 | " | 33.3 | ND | 94.4 | 70-130 | 29.2 | 30 | |
| 1,2,4-Trimethylbenzene | 34.3 | 1.0 | " | 33.3 | ND | 103 | 70-130 | 11.2 | 30 | |
| 1,3,5-Trimethylbenzene | 34.7 | 1.0 | " | 33.3 | ND | 104 | 70-130 | 9.44 | 30 | |
| Surrogate: 1,2-Dichloroethane-d4 | 19.4 | | " | 13.3 | | 146 | 23-173 | | | |
| Surrogate: Toluene-d8 | 17.4 | | " | 13.3 | | 131 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 18.7 | | " | 13.3 | | 141 | 21-167 | | | |

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 11/15/23 12:01

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BGK0178 - EPA 3550A

Blank (BGK0178-BLK1)

Prepared & Analyzed: 11/06/23

| | | | | | | | | | | |
|--------------------------------|------|----|-------|------|--|------|--|--------|--|--|
| C10-C28 (DRO) | ND | 50 | mg/kg | | | | | | | |
| C28-C36 (ORO) | ND | 50 | " | | | | | | | |
| Surrogate: <i>o</i> -Terphenyl | 10.3 | | " | 12.5 | | 82.1 | | 30-150 | | |

LCS (BGK0178-BS1)

Prepared & Analyzed: 11/06/23

| | | | | | | | | | | |
|--------------------------------|------|----|-------|------|--|------|--|--------|--|--|
| C10-C28 (DRO) | 458 | 50 | mg/kg | 500 | | 91.7 | | 70-130 | | |
| Surrogate: <i>o</i> -Terphenyl | 9.58 | | " | 12.5 | | 76.6 | | 30-150 | | |

Matrix Spike (BGK0178-MS1)

Source: 2311062-12

Prepared & Analyzed: 11/06/23

| | | | | | | | | | | |
|--------------------------------|------|----|-------|------|------|------|--|--------|--|--|
| C10-C28 (DRO) | 424 | 50 | mg/kg | 500 | 8.29 | 83.1 | | 70-130 | | |
| Surrogate: <i>o</i> -Terphenyl | 7.75 | | " | 12.5 | | 62.0 | | 30-150 | | |

Matrix Spike Dup (BGK0178-MSD1)

Source: 2311062-12

Prepared & Analyzed: 11/06/23

| | | | | | | | | | | |
|--------------------------------|------|----|-------|------|------|------|--|--------|------|----|
| C10-C28 (DRO) | 499 | 50 | mg/kg | 500 | 8.29 | 98.1 | | 70-130 | 16.3 | 20 |
| Surrogate: <i>o</i> -Terphenyl | 8.86 | | " | 12.5 | | 70.9 | | 30-150 | | |

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.



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/15/23 12:01

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 BGK0199 - EPA 5030 Soil MS

Blank (BGK0199-BLK1)

Prepared & Analyzed: 11/07/23

| | | | | | | | | | | |
|---|---------------|---------|-------|---------------|--|-------------|--|---------------|--|--|
| 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>0.0244</i> | | " | <i>0.0333</i> | | <i>73.2</i> | | <i>40-150</i> | | |
| <i>Surrogate: Fluoranthene-d10</i> | <i>0.0299</i> | | " | <i>0.0333</i> | | <i>89.7</i> | | <i>40-150</i> | | |

LCS (BGK0199-BS1)

Prepared & Analyzed: 11/07/23

| | | | | | | | | | | |
|---|---------------|---------|-------|---------------|--|-------------|--|---------------|--|--|
| Acenaphthene | 0.0262 | 0.00500 | mg/kg | 0.0333 | | 78.7 | | 31-137 | | |
| Anthracene | 0.0303 | 0.00500 | " | 0.0333 | | 90.9 | | 30-120 | | |
| Benzo (a) anthracene | 0.0281 | 0.00500 | " | 0.0333 | | 84.4 | | 30-120 | | |
| Benzo (a) pyrene | 0.0271 | 0.00500 | " | 0.0333 | | 81.4 | | 30-120 | | |
| Benzo (b) fluoranthene | 0.0289 | 0.00500 | " | 0.0333 | | 86.6 | | 30-120 | | |
| Benzo (k) fluoranthene | 0.0316 | 0.00500 | " | 0.0333 | | 94.8 | | 30-120 | | |
| Chrysene | 0.0315 | 0.00500 | " | 0.0333 | | 94.5 | | 30-120 | | |
| Dibenz (a,h) anthracene | 0.0219 | 0.00500 | " | 0.0333 | | 65.6 | | 30-120 | | |
| Fluoranthene | 0.0302 | 0.00500 | " | 0.0333 | | 90.6 | | 30-120 | | |
| Fluorene | 0.0286 | 0.00500 | " | 0.0333 | | 85.7 | | 30-120 | | |
| Indeno (1,2,3-cd) pyrene | 0.0293 | 0.00500 | " | 0.0333 | | 87.9 | | 30-120 | | |
| Pyrene | 0.0321 | 0.00500 | " | 0.0333 | | 96.2 | | 35-142 | | |
| 1-Methylnaphthalene | 0.0304 | 0.00500 | " | 0.0333 | | 91.1 | | 35-142 | | |
| 2-Methylnaphthalene | 0.0317 | 0.00500 | " | 0.0333 | | 95.2 | | 35-142 | | |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0237</i> | | " | <i>0.0333</i> | | <i>71.2</i> | | <i>40-150</i> | | |
| <i>Surrogate: Fluoranthene-d10</i> | <i>0.0304</i> | | " | <i>0.0333</i> | | <i>91.3</i> | | <i>40-150</i> | | |

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.



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/15/23 12:01

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 BGK0199 - EPA 5030 Soil MS

| Matrix Spike (BGK0199-MS1) | Source: 2311048-01 | | | Prepared & Analyzed: 11/07/23 | | | | | | |
|------------------------------------|--------------------|---------|-------|-------------------------------|----|------|--------|--|--|--|
| Acenaphthene | 0.0138 | 0.00500 | mg/kg | 0.0333 | ND | 41.5 | 31-137 | | | |
| Anthracene | 0.0162 | 0.00500 | " | 0.0333 | ND | 48.6 | 30-120 | | | |
| Benzo (a) anthracene | 0.0154 | 0.00500 | " | 0.0333 | ND | 46.2 | 30-120 | | | |
| Benzo (a) pyrene | 0.0155 | 0.00500 | " | 0.0333 | ND | 46.6 | 30-120 | | | |
| Benzo (b) fluoranthene | 0.0137 | 0.00500 | " | 0.0333 | ND | 41.2 | 30-120 | | | |
| Benzo (k) fluoranthene | 0.0146 | 0.00500 | " | 0.0333 | ND | 43.9 | 30-120 | | | |
| Chrysene | 0.0155 | 0.00500 | " | 0.0333 | ND | 46.5 | 30-120 | | | |
| Dibenz (a,h) anthracene | 0.0140 | 0.00500 | " | 0.0333 | ND | 42.1 | 30-120 | | | |
| Fluoranthene | 0.0152 | 0.00500 | " | 0.0333 | ND | 45.6 | 30-120 | | | |
| Fluorene | 0.0151 | 0.00500 | " | 0.0333 | ND | 45.4 | 30-120 | | | |
| Indeno (1,2,3-cd) pyrene | 0.0166 | 0.00500 | " | 0.0333 | ND | 49.9 | 30-120 | | | |
| Pyrene | 0.0163 | 0.00500 | " | 0.0333 | ND | 48.9 | 35-142 | | | |
| 1-Methylnaphthalene | 0.0155 | 0.00500 | " | 0.0333 | ND | 46.5 | 15-130 | | | |
| 2-Methylnaphthalene | 0.0171 | 0.00500 | " | 0.0333 | ND | 51.4 | 15-130 | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0135 | | " | 0.0333 | | 40.4 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0161 | | " | 0.0333 | | 48.4 | 40-150 | | | |

| Matrix Spike Dup (BGK0199-MSD1) | Source: 2311048-01 | | | Prepared & Analyzed: 11/07/23 | | | | | | |
|------------------------------------|--------------------|---------|-------|-------------------------------|----|------|--------|------|----|--|
| Acenaphthene | 0.0166 | 0.00500 | mg/kg | 0.0333 | ND | 49.9 | 31-137 | 18.4 | 30 | |
| Anthracene | 0.0142 | 0.00500 | " | 0.0333 | ND | 42.7 | 30-120 | 12.9 | 30 | |
| Benzo (a) anthracene | 0.0135 | 0.00500 | " | 0.0333 | ND | 40.6 | 30-120 | 12.9 | 30 | |
| Benzo (a) pyrene | 0.0148 | 0.00500 | " | 0.0333 | ND | 44.3 | 30-120 | 5.00 | 30 | |
| Benzo (b) fluoranthene | 0.0144 | 0.00500 | " | 0.0333 | ND | 43.1 | 30-120 | 4.44 | 30 | |
| Benzo (k) fluoranthene | 0.0154 | 0.00500 | " | 0.0333 | ND | 46.3 | 30-120 | 5.13 | 30 | |
| Chrysene | 0.0134 | 0.00500 | " | 0.0333 | ND | 40.3 | 30-120 | 14.5 | 30 | |
| Dibenz (a,h) anthracene | 0.0134 | 0.00500 | " | 0.0333 | ND | 40.3 | 30-120 | 4.42 | 30 | |
| Fluoranthene | 0.0143 | 0.00500 | " | 0.0333 | ND | 42.9 | 30-120 | 5.98 | 30 | |
| Fluorene | 0.0135 | 0.00500 | " | 0.0333 | ND | 40.4 | 30-120 | 11.7 | 30 | |
| Indeno (1,2,3-cd) pyrene | 0.0135 | 0.00500 | " | 0.0333 | ND | 40.6 | 30-120 | 20.4 | 30 | |
| Pyrene | 0.0147 | 0.00500 | " | 0.0333 | ND | 44.1 | 35-142 | 10.4 | 30 | |
| 1-Methylnaphthalene | 0.0151 | 0.00500 | " | 0.0333 | ND | 45.3 | 15-130 | 2.77 | 50 | |
| 2-Methylnaphthalene | 0.0166 | 0.00500 | " | 0.0333 | ND | 49.9 | 15-130 | 2.86 | 50 | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0135 | | " | 0.0333 | | 40.5 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0150 | | " | 0.0333 | | 45.1 | 40-150 | | | |

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.



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 11/15/23 12:01

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

Summit Scientific

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

Batch BGK0298 - EPA 3050B

| | | | | | | | | | | |
|--|-------|---------------------------------------|------|---------------------------------------|-------|------|--------|------|----|--|
| Blank (BGK0298-BLK1) | | Prepared: 11/08/23 Analyzed: 11/09/23 | | | | | | | | |
| Boron | ND | 2.00 | mg/L | | | | | | | |
| LCS (BGK0298-BS1) | | Prepared: 11/08/23 Analyzed: 11/09/23 | | | | | | | | |
| Boron | 4.89 | 2.00 | mg/L | 5.00 | | 97.8 | 80-120 | | | |
| Duplicate (BGK0298-DUP1) | | Source: 2311037-01 | | Prepared: 11/08/23 Analyzed: 11/09/23 | | | | | | |
| Boron | 0.660 | 2.00 | mg/L | | 0.618 | | | 6.62 | 20 | |
| Matrix Spike (BGK0298-MS1) | | Source: 2311037-01 | | Prepared: 11/08/23 Analyzed: 11/09/23 | | | | | | |
| Boron | 5.86 | 2.00 | mg/L | 5.00 | 0.618 | 105 | 75-125 | | | |
| Matrix Spike Dup (BGK0298-MSD1) | | Source: 2311037-01 | | Prepared: 11/08/23 Analyzed: 11/10/23 | | | | | | |
| Boron | 5.76 | 2.00 | mg/L | 5.00 | 0.618 | 103 | 75-125 | 1.69 | 25 | |

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.



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/15/23 12:01

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BGK0386 - EPA 3050B

Blank (BGK0386-BLK1)

Prepared: 11/10/23 Analyzed: 11/13/23

| | | | | | | | | | | |
|----------|----|--------|-----------|--|--|--|--|--|--|--|
| 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 (BGK0386-BS1)

Prepared: 11/10/23 Analyzed: 11/13/23

| | | | | | | |
|----------|------|--------|-----------|------|------|--------|
| Arsenic | 43.9 | 0.200 | mg/kg wet | 40.0 | 110 | 80-120 |
| Barium | 44.1 | 0.400 | " | 40.0 | 110 | 80-120 |
| Cadmium | 2.01 | 0.200 | " | 2.00 | 101 | 80-120 |
| Copper | 40.0 | 0.400 | " | 40.0 | 99.9 | 80-120 |
| Lead | 20.5 | 0.200 | " | 20.0 | 102 | 80-120 |
| Nickel | 39.9 | 0.400 | " | 40.0 | 99.8 | 80-120 |
| Silver | 1.95 | 0.0200 | " | 2.00 | 97.3 | 80-120 |
| Zinc | 38.2 | 0.400 | " | 40.0 | 95.4 | 80-120 |
| Selenium | 4.01 | 0.260 | " | 4.00 | 100 | 80-120 |

Duplicate (BGK0386-DUP1)

Source: 2311077-01

Prepared: 11/10/23 Analyzed: 11/13/23

| | | | | | | | |
|----------|--------|--------|-----------|--------|------|----|-------|
| Arsenic | 3.33 | 0.200 | mg/kg dry | 11.2 | 109 | 20 | QR-04 |
| Barium | 117 | 0.400 | " | 42.0 | 94.3 | 20 | QR-04 |
| Cadmium | 0.154 | 0.200 | " | 0.144 | 6.72 | 20 | |
| Copper | 2.88 | 0.400 | " | 7.01 | 83.5 | 20 | QR-01 |
| Lead | 4.39 | 0.200 | " | 12.8 | 98.0 | 20 | QR-04 |
| Nickel | 3.02 | 0.400 | " | 7.90 | 89.3 | 20 | QR-01 |
| Silver | 0.0190 | 0.0200 | " | 0.0509 | 91.2 | 20 | QR-01 |
| Zinc | 10.1 | 0.400 | " | 29.7 | 98.5 | 20 | QR-04 |
| Selenium | ND | 0.260 | " | 0.423 | 200 | 20 | QR-01 |

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 11/15/23 12:01

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 BGK0386 - EPA 3050B

Matrix Spike (BGK0386-MS1)

Source: 2311077-01

Prepared: 11/10/23 Analyzed: 11/13/23

| | | | | | | | | | | |
|----------|------|--------|-----------|------|--------|------|--------|--|--|-------|
| Arsenic | 54.5 | 0.200 | mg/kg dry | 47.6 | 11.2 | 91.0 | 75-125 | | | |
| Barium | 149 | 0.400 | " | 47.6 | 42.0 | 226 | 75-125 | | | QM-07 |
| Cadmium | 2.37 | 0.200 | " | 2.38 | 0.144 | 93.6 | 75-125 | | | |
| Copper | 34.5 | 0.400 | " | 47.6 | 7.01 | 57.9 | 75-125 | | | QM-07 |
| Lead | 26.1 | 0.200 | " | 23.8 | 12.8 | 55.7 | 75-125 | | | QM-07 |
| Nickel | 35.8 | 0.400 | " | 47.6 | 7.90 | 58.6 | 75-125 | | | QM-07 |
| Silver | 2.19 | 0.0200 | " | 2.38 | 0.0509 | 90.0 | 75-125 | | | |
| Zinc | 41.1 | 0.400 | " | 47.6 | 29.7 | 23.9 | 75-125 | | | QM-07 |
| Selenium | 8.51 | 0.260 | " | 4.76 | 0.423 | 170 | 75-125 | | | QM-07 |

Matrix Spike Dup (BGK0386-MSD1)

Source: 2311077-01

Prepared: 11/10/23 Analyzed: 11/13/23

| | | | | | | | | | | |
|----------|------|--------|-----------|------|--------|------|--------|------|----|-------|
| Arsenic | 49.8 | 0.200 | mg/kg dry | 47.6 | 11.2 | 81.1 | 75-125 | 9.03 | 25 | |
| Barium | 135 | 0.400 | " | 47.6 | 42.0 | 196 | 75-125 | 9.98 | 25 | QM-07 |
| Cadmium | 2.17 | 0.200 | " | 2.38 | 0.144 | 85.1 | 75-125 | 8.91 | 25 | |
| Copper | 32.1 | 0.400 | " | 47.6 | 7.01 | 52.7 | 75-125 | 7.33 | 25 | QM-07 |
| Lead | 23.8 | 0.200 | " | 23.8 | 12.8 | 46.2 | 75-125 | 9.08 | 25 | QM-07 |
| Nickel | 33.2 | 0.400 | " | 47.6 | 7.90 | 53.2 | 75-125 | 7.39 | 25 | QM-07 |
| Silver | 2.09 | 0.0200 | " | 2.38 | 0.0509 | 85.6 | 75-125 | 4.94 | 25 | |
| Zinc | 38.3 | 0.400 | " | 47.6 | 29.7 | 17.9 | 75-125 | 7.16 | 25 | QM-07 |
| Selenium | 7.99 | 0.260 | " | 4.76 | 0.423 | 159 | 75-125 | 6.31 | 25 | QM-07 |

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 11/15/23 12:01

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

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

Batch BGK0316 - 3060A Mod

Blank (BGK0316-BLK1)

Prepared: 11/08/23 Analyzed: 11/13/23

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BGK0316-BS1)

Prepared: 11/08/23 Analyzed: 11/13/23

Chromium, Hexavalent 26.8 0.30 mg/kg wet 25.0 107 80-120

Duplicate (BGK0316-DUP1)

Source: 2311079-01

Prepared: 11/08/23 Analyzed: 11/13/23

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BGK0316-MS1)

Source: 2311079-01

Prepared: 11/08/23 Analyzed: 11/13/23

Chromium, Hexavalent 32.3 0.30 mg/kg dry 31.6 ND 102 75-125

Matrix Spike Dup (BGK0316-MSD1)

Source: 2311079-01

Prepared: 11/08/23 Analyzed: 11/13/23

Chromium, Hexavalent 31.3 0.30 mg/kg dry 31.6 ND 99.0 75-125 2.99 20

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 11/15/23 12:01

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 BGK0397 - General Preparation

Blank (BGK0397-BLK1)

Prepared: 11/10/23 Analyzed: 11/13/23


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

LCS (BGK0397-BS1)

Prepared: 11/10/23 Analyzed: 11/13/23

| | | | | | | | | | | |
|-----------|------|--------|----------|------|--|-----|--------|--|--|--|
| Calcium | 5.16 | 0.0500 | mg/L wet | 5.00 | | 103 | 70-130 | | | |
| Magnesium | 5.25 | 0.0500 | " | 5.00 | | 105 | 70-130 | | | |
| Sodium | 5.28 | 0.0500 | " | 5.00 | | 106 | 70-130 | | | |

Summit Scientific



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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 11/15/23 12:01

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

Summit Scientific

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

Batch BGK0452 - General Preparation

Duplicate (BGK0452-DUP1)

Source: 2311070-01

Prepared & Analyzed: 11/13/23

| | | | | | | | | | | | |
|----------|------|--|---|--|------|--|--|-------|--|----|--|
| % Solids | 84.0 | | % | | 84.6 | | | 0.814 | | 20 | |
|----------|------|--|---|--|------|--|--|-------|--|----|--|

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 11/15/23 12:01

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 BGK0428 - General Preparation

Blank (BGK0428-BLK1)

Prepared & Analyzed: 11/13/23

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BGK0428-BS1)

Prepared & Analyzed: 11/13/23

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

Duplicate (BGK0428-DUP1)

Source: 2310378-02

Prepared & Analyzed: 11/13/23

Specific Conductance (EC) 0.716 0.0100 mmhos/cm 0.716 0.00 20

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 11/15/23 12:01

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 BGK0427 - General Preparation

LCS (BGK0427-BS1)

Prepared & Analyzed: 11/13/23

| | | | | | |
|----|------|----------|------|------|--------|
| pH | 9.10 | pH Units | 9.18 | 99.1 | 95-105 |
|----|------|----------|------|------|--------|


Duplicate (BGK0427-DUP1)

Source: 2310378-02

Prepared & Analyzed: 11/13/23

| | | | | | |
|----|------|----------|------|------|----|
| pH | 7.97 | pH Units | 7.97 | 0.00 | 20 |
|----|------|----------|------|------|----|

Summit Scientific



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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 3X

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/15/23 12:01

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-04 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- QR-01 Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
- 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