

# Summit Scientific

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4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

May 15, 2024

Paul Henchan  
Fremont Environmental  
PO Box 1289  
Wellington, CO 80549

RE: Noble - Rouse USX A05,-03,04,05,06,19 Tank

Work Order #2404117

Enclosed are the results of analyses for samples received by Summit Scientific on 04/08/24 15:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Natalie Tessier". The signature is written in a cursive, flowing style.

Natalie Tessier For Paul Shrewsbury  
President



Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank  
Project Number: UWRWE-A3657-ABN  
Project Manager: Paul Henchan

**Reported:**  
05/15/24 10:45

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID    | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|--------------|---------------|--------|----------------|----------------|
| AST01 0.5'   | 2404117-01    | Soil   | 04/05/24 12:45 | 04/08/24 15:20 |
| AST02 0.5'   | 2404117-02    | Soil   | 04/05/24 12:50 | 04/08/24 15:20 |
| AST03 0.5'   | 2404117-03    | Soil   | 04/05/24 12:55 | 04/08/24 15:20 |
| PWV FLOOR 5' | 2404117-04    | Soil   | 04/05/24 13:00 | 04/08/24 15:20 |
| SEP01 DL 3'  | 2404117-05    | Soil   | 04/08/24 11:45 | 04/08/24 15:20 |
| SEP01 FL 3'  | 2404117-06    | Soil   | 04/08/24 11:50 | 04/08/24 15:20 |
| SEP02 DL 3'  | 2404117-07    | Soil   | 04/08/24 11:55 | 04/08/24 15:20 |
| SEP02 FL 3'  | 2404117-08    | Soil   | 04/08/24 12:00 | 04/08/24 15:20 |

Summit Scientific

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

|         |             |
|---------|-------------|
| Lab ID  | Page 1 of 1 |
| 2404117 |             |

|                               |   |                                   |  |
|-------------------------------|---|-----------------------------------|--|
| <b>Send Data To:</b>          |   | <b>Send Invoice To:</b>           |  |
| Client: Fremont Environmental | Project Manager: Paul Henchan                       | Company: Noble                    |  |
| Address:                      | E-Mail: Fremont Distribution List                   | Project Name/Location:            |  |
| City/State/Zip:               |   | AFE#:                             |  |
| Phone: 303-261-6246           | Project Name: House USX A05-03, 04, 05, 06, 19 TANK | PO/Billing Codes: UWRWE-A3657-ABN |  |
| Sampler Name: Stanley Gilbert | Project Number:                                     | Contact: Mike Montoya             |  |

| 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, TMBs, Naph.  | TPH | PAH (915) | EC, SAR, Ph, Boron | Metals (915) | TDS, Chloride, Sulfate |                      |
| 1  | AST01 0.5'         | 4/5/24       | 12:45        | 2               |              |      | X    |       |        | X    |                |       | X                  | X   | X         | X                  |              |                        |                      |
| 2  | AST02 0.5'         |              | 12:50        |                 |              |      |      |       |        |      |                |       |                    |     |           |                    |              |                        |                      |
| 3  | AST03 0.5          |              | 12:55        |                 |              |      |      |       |        |      |                |       |                    |     |           |                    |              |                        |                      |
| 4  | DWV Floor 5'       |              | 13:00        |                 |              |      |      |       |        |      |                |       |                    |     |           |                    |              |                        |                      |
| 5  | SEPO1 DL 3'        | 4/8/24       | 11:45        |                 |              |      |      |       |        |      |                |       |                    |     |           |                    |              |                        |                      |
| 6  | SEPO1 FL 3'        |              | 11:50        |                 |              |      |      |       |        |      |                |       |                    |     |           |                    |              |                        |                      |
| 7  | SEPO2 DL 3'        |              | 11:55        |                 |              |      |      |       |        |      |                |       |                    |     |           |                    |              |                        |                      |
| 8  | SEPO2 FL 3'        |              | 12:00        |                 |              |      |      |       |        |      |                |       |                    |     |           |                    |              |                        |                      |
| 9  |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |     |           |                    |              |                        |                      |
| 10 |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |     |           |                    |              |                        |                      |
| 11 |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |     |           |                    |              |                        |                      |
| 12 |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |     |           |                    |              |                        |                      |
| 13 |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |     |           |                    |              |                        |                      |
| 14 |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |     |           |                    |              |                        |                      |
| 15 |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |     |           |                    |              |                        |                      |

|                                |                         |              |                         |                   |   |        |
|--------------------------------|-------------------------|--------------|-------------------------|-------------------|---|--------|
| Relinquished by:               | Date/Time: 4/8/24 15:20 | Received by: | Date/Time: 4/8/24 15:26 | TAT Business Days | Field DO  | Notes: |
| Relinquished by:               | Date/Time:              | Received by: | Date/Time:              | Same Day          | Field EC  |        |
| Relinquished by:               | Date/Time:              | Received by: | Date/Time:              | 1 Day             | Field ORP                                       |        |
| Relinquished by:               | Date/Time:              | Received by: | Date/Time:              | 2 Days            | Field pH  |        |
| Relinquished by:               | Date/Time:              | Received by: | Date/Time:              | 3 Days            | Field Temp.                                     |        |
| Temperature Upon Receipt: 18.1 | Corrected Temperature   | IR gun #: 2  | HNO3 lot #:             | Standard          | <input checked="" type="checkbox"/> Field Turb. |        |

S<sub>2</sub>

Sample Receipt Checklist

S2 Work Order# 2404117

Client: Fremont Client Project ID: Rouse USX A05, -03, 04, 05, 06, 19 Tank  
Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other  Airbill #: \_\_\_\_\_

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

Temp (°C) 18.1 Thermometer # 2

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

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

John L. Paul  
Custodian Printed Name

4/8/21 15:20  
Date/Time



Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
Project Manager: Paul Henchan

**Reported:**  
05/15/24 10:45

**AST01 0.5'**  
**2404117-01 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **04/05/24 12:45**

| Analyte                     | Result | Reporting |  | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
|                             |        | Limit     |  |       |          |         |          |          |           |       |
| Benzene                     | ND     | 0.0020    |  | mg/kg | 1        | BHD0310 | 04/10/24 | 04/12/24 | EPA 8260B |       |
| Toluene                     | ND     | 0.0050    |  | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene                | ND     | 0.0050    |  | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total)             | ND     | 0.010     |  | "     | "        | "       | "        | "        | "         |       |
| 1,2,4-Trimethylbenzene      | ND     | 0.0050    |  | "     | "        | "       | "        | "        | "         |       |
| 1,3,5-Trimethylbenzene      | ND     | 0.0050    |  | "     | "        | "       | "        | "        | "         |       |
| Naphthalene                 | ND     | 0.0038    |  | "     | "        | "       | "        | "        | "         |       |
| Gasoline Range Hydrocarbons | ND     | 0.50      |  | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **04/05/24 12:45**

| Analyte                          | Result | Reporting |  | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
|                                  |        | Limit     |  |        |          |       |          |          |        |       |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0322 | 80.5 %    |  | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            | 0.0343 | 85.8 %    |  | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  | 0.0369 | 92.2 %    |  | 50-150 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/05/24 12:45**

| Analyte       | Result | Reporting |  | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
|               |        | Limit     |  |       |          |         |          |          |           |       |
| C10-C28 (DRO) | ND     | 50        |  | mg/kg | 1        | BHD0314 | 04/10/24 | 04/11/24 | EPA 8015M |       |
| C28-C36 (ORO) | ND     | 50        |  | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **04/05/24 12:45**

| Analyte                | Result | Reporting |  | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
|                        |        | Limit     |  |        |          |       |          |          |        |       |
| Surrogate: o-Terphenyl | 6.74   | 53.9 %    |  | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

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PO Box 1289  
Wellington CO, 80549

Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
Project Manager: Paul Henchan

**Reported:**  
05/15/24 10:45

**AST01 0.5'**  
**2404117-01 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **04/05/24 12:45**

| Analyte                  | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene             | ND     | 0.00500         | mg/kg | 1        | BHD0272 | 04/09/24 | 04/10/24 | EPA 8270D SIM |       |
| Anthracene               | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (a) anthracene     | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (a) pyrene         | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (b) fluoranthene   | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (k) fluoranthene   | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Chrysene                 | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Dibenz (a,h) anthracene  | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Fluoranthene             | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Fluorene                 | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Indeno (1,2,3-cd) pyrene | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Pyrene                   | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| 1-Methylnaphthalene      | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| 2-Methylnaphthalene      | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |

Date Sampled: **04/05/24 12:45**

| Analyte                            | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0162 | 48.7 %          | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        | 0.0167 | 50.1 %          | 40-150 |          | "     | "        | "        | "      |       |

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **04/05/24 12:45**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron   | ND     | 2.00            | mg/L  | 1        | BHD0542 | 04/17/24 | 05/10/24 | EPA 6020B |       |

**Total Metals by EPA 6020B**

Date Sampled: **04/05/24 12:45**

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

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Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank  
Project Number: UWRWE-A3657-ABN  
Project Manager: Paul Henchan

**Reported:**  
05/15/24 10:45

**AST01 0.5'**  
**2404117-01 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

| Analyte  | Result | Limit  | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic  | 2.04   | 0.200  | mg/kg dry | 1        | BHD0832 | 04/23/24 | 05/01/24 | EPA 6020B |       |
| Barium   | 37.2   | 0.400  | "         | "        | "       | "        | "        | "         |       |
| Cadmium  | ND     | 0.200  | "         | "        | "       | "        | "        | "         |       |
| Copper   | 8.95   | 0.400  | "         | "        | "       | "        | "        | "         |       |
| Lead     | 3.60   | 0.200  | "         | "        | "       | "        | "        | "         |       |
| Nickel   | 5.08   | 0.400  | "         | "        | "       | "        | "        | "         |       |
| Silver   | ND     | 0.0200 | "         | "        | "       | "        | "        | "         |       |
| Zinc     | 17.6   | 0.400  | "         | "        | "       | "        | "        | "         |       |
| Selenium | ND     | 0.260  | "         | "        | "       | "        | "        | "         |       |

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **04/05/24 12:45**

| Analyte              | Result | Reporting Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND     | 0.30            | mg/kg dry | 1        | BHD0598 | 04/18/24 | 04/19/24 | EPA 7196A |       |

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

Date Sampled: **04/05/24 12:45**

| Analyte   | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium   | 122    | 0.0500          | mg/L dry | 1        | BHD0851 | 04/23/24 | 05/14/24 | EPA 6020B |       |
| Magnesium | 27.0   | 0.0500          | "        | "        | "       | "        | "        | "         |       |
| Sodium    | 4.21   | 0.0500          | "        | "        | "       | "        | "        | "         |       |

**Calculated Analysis**

Date Sampled: **04/05/24 12:45**

| Analyte                 | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.0898 | 0.00100         | units | 1        | BHE0470 | 05/15/24 | 05/15/24 | Calculation |       |

**Physical Parameters by APHA/ASTM/EPA Methods**

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Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank  
 Project Number: UWRWE-A3657-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 05/15/24 10:45

**AST01 0.5'**  
**2404117-01 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **04/05/24 12:45**

| Analyte  | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 94.0   |                 | %     | 1        | BHD0447 | 04/15/24 | 04/16/24 | Calculation |       |

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **04/05/24 12:45**

| Analyte                   | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.103  | 0.0100          | mmhos/cm | 1        | BHD0853 | 04/23/24 | 04/25/24 | EPA 120.1 |       |

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

Date Sampled: **04/05/24 12:45**

| Analyte | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH      | 9.11   |                 | pH Units | 1        | BHD0852 | 04/23/24 | 04/25/24 | EPA 9045D |       |

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PO Box 1289  
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Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
Project Manager: Paul Henchan

**Reported:**  
05/15/24 10:45

**AST02 0.5'**  
**2404117-02 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **04/05/24 12:50**

| Analyte                     | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene                     | ND     | 0.0020          | mg/kg | 1        | BHD0310 | 04/10/24 | 04/12/24 | EPA 8260B |       |
| Toluene                     | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene                | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total)             | ND     | 0.010           | "     | "        | "       | "        | "        | "         |       |
| 1,2,4-Trimethylbenzene      | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| 1,3,5-Trimethylbenzene      | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Naphthalene                 | ND     | 0.0038          | "     | "        | "       | "        | "        | "         |       |
| Gasoline Range Hydrocarbons | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **04/05/24 12:50**

| Analyte                          | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | 0.0316 | 79.0 %          | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            | 0.0340 | 85.0 %          | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  | 0.0372 | 93.1 %          | 50-150 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/05/24 12:50**

| Analyte       | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND     | 50              | mg/kg | 1        | BHD0314 | 04/10/24 | 04/11/24 | EPA 8015M |       |
| C28-C36 (ORO) | ND     | 50              | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **04/05/24 12:50**

| Analyte                | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | 7.25   | 58.0 %          | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank  
Project Number: UWRWE-A3657-ABN  
Project Manager: Paul Henchan

**Reported:**  
05/15/24 10:45

**AST02 0.5'**  
**2404117-02 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **04/05/24 12:50**

| Analyte                  | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene             | ND     | 0.00500         | mg/kg | 1        | BHD0272 | 04/09/24 | 04/10/24 | EPA 8270D SIM |       |
| Anthracene               | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (a) anthracene     | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (a) pyrene         | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (b) fluoranthene   | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (k) fluoranthene   | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Chrysene                 | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Dibenz (a,h) anthracene  | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Fluoranthene             | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Fluorene                 | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Indeno (1,2,3-cd) pyrene | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Pyrene                   | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| 1-Methylnaphthalene      | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| 2-Methylnaphthalene      | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |

Date Sampled: **04/05/24 12:50**

| Analyte                            | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0224 | 67.1 %          | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        | 0.0215 | 64.4 %          | 40-150 |          | "     | "        | "        | "      |       |

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **04/05/24 12:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron   | ND     | 2.00            | mg/L  | 1        | BHD0542 | 04/17/24 | 05/10/24 | EPA 6020B |       |

**Total Metals by EPA 6020B**

Date Sampled: **04/05/24 12:50**

| 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 - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
Project Manager: Paul Henchan

**Reported:**  
05/15/24 10:45

**AST02 0.5'**  
**2404117-02 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

| Analyte  | Result | Limit  | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic  | 1.62   | 0.200  | mg/kg dry | 1        | BHD0832 | 04/23/24 | 05/01/24 | EPA 6020B |       |
| Barium   | 28.9   | 0.400  | "         | "        | "       | "        | "        | "         |       |
| Cadmium  | ND     | 0.200  | "         | "        | "       | "        | "        | "         |       |
| Copper   | 3.69   | 0.400  | "         | "        | "       | "        | "        | "         |       |
| Lead     | 2.88   | 0.200  | "         | "        | "       | "        | "        | "         |       |
| Nickel   | 3.12   | 0.400  | "         | "        | "       | "        | "        | "         |       |
| Silver   | ND     | 0.0200 | "         | "        | "       | "        | "        | "         |       |
| Zinc     | 11.8   | 0.400  | "         | "        | "       | "        | "        | "         |       |
| Selenium | ND     | 0.260  | "         | "        | "       | "        | "        | "         |       |

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **04/05/24 12:50**

| Analyte              | Result | Reporting Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND     | 0.30            | mg/kg dry | 1        | BHD0598 | 04/18/24 | 04/19/24 | EPA 7196A |       |

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

Date Sampled: **04/05/24 12:50**

| Analyte   | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium   | 72.2   | 0.0500          | mg/L dry | 1        | BHD0851 | 04/23/24 | 05/14/24 | EPA 6020B |       |
| Magnesium | 14.6   | 0.0500          | "        | "        | "       | "        | "        | "         |       |
| Sodium    | 4.98   | 0.0500          | "        | "        | "       | "        | "        | "         |       |

**Calculated Analysis**

Date Sampled: **04/05/24 12:50**

| Analyte                 | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.140  | 0.00100         | units | 1        | BHE0470 | 05/15/24 | 05/15/24 | Calculation |       |

**Physical Parameters by APHA/ASTM/EPA Methods**

Summit Scientific

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank  
 Project Number: UWRWE-A3657-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 05/15/24 10:45

**AST02 0.5'**  
**2404117-02 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **04/05/24 12:50**

| Analyte  | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 95.6   |                 | %     | 1        | BHD0447 | 04/15/24 | 04/16/24 | Calculation |       |

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **04/05/24 12:50**

| Analyte                   | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.119  | 0.0100          | mmhos/cm | 1        | BHD0853 | 04/23/24 | 04/25/24 | EPA 120.1 |       |

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

Date Sampled: **04/05/24 12:50**

| Analyte | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH      | 8.98   |                 | pH Units | 1        | BHD0852 | 04/23/24 | 04/25/24 | EPA 9045D |       |

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PO Box 1289  
Wellington CO, 80549

Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
Project Manager: Paul Henchan

**Reported:**  
05/15/24 10:45

**AST03 0.5'**  
**2404117-03 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **04/05/24 12:55**

| Analyte                     | Result | Reporting |  | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
|                             |        | Limit     |  |       |          |         |          |          |           |       |
| Benzene                     | ND     | 0.0020    |  | mg/kg | 1        | BHD0310 | 04/10/24 | 04/12/24 | EPA 8260B |       |
| Toluene                     | ND     | 0.0050    |  | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene                | ND     | 0.0050    |  | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total)             | ND     | 0.010     |  | "     | "        | "       | "        | "        | "         |       |
| 1,2,4-Trimethylbenzene      | ND     | 0.0050    |  | "     | "        | "       | "        | "        | "         |       |
| 1,3,5-Trimethylbenzene      | ND     | 0.0050    |  | "     | "        | "       | "        | "        | "         |       |
| Naphthalene                 | ND     | 0.0038    |  | "     | "        | "       | "        | "        | "         |       |
| Gasoline Range Hydrocarbons | ND     | 0.50      |  | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **04/05/24 12:55**

| Analyte                          | Result | Reporting |  | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
|                                  |        | Limit     |  |        |          |       |          |          |        |       |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0338 | 84.4 %    |  | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            | 0.0346 | 86.4 %    |  | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  | 0.0368 | 92.0 %    |  | 50-150 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/05/24 12:55**

| Analyte       | Result | Reporting |  | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
|               |        | Limit     |  |       |          |         |          |          |           |       |
| C10-C28 (DRO) | ND     | 50        |  | mg/kg | 1        | BHD0314 | 04/10/24 | 04/11/24 | EPA 8015M |       |
| C28-C36 (ORO) | ND     | 50        |  | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **04/05/24 12:55**

| Analyte                | Result | Reporting |  | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
|                        |        | Limit     |  |        |          |       |          |          |        |       |
| Surrogate: o-Terphenyl | 6.40   | 51.2 %    |  | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
Project Manager: Paul Henchan

**Reported:**  
05/15/24 10:45

**AST03 0.5'**  
**2404117-03 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **04/05/24 12:55**

| Analyte                  | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene             | ND     | 0.00500         | mg/kg | 1        | BHD0272 | 04/09/24 | 04/10/24 | EPA 8270D SIM |       |
| Anthracene               | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (a) anthracene     | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (a) pyrene         | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (b) fluoranthene   | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (k) fluoranthene   | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Chrysene                 | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Dibenz (a,h) anthracene  | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Fluoranthene             | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Fluorene                 | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Indeno (1,2,3-cd) pyrene | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Pyrene                   | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| 1-Methylnaphthalene      | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| 2-Methylnaphthalene      | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |

Date Sampled: **04/05/24 12:55**

| Analyte                            | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0246 | 73.9 %          | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        | 0.0198 | 59.4 %          | 40-150 |          | "     | "        | "        | "      |       |

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **04/05/24 12:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron   | ND     | 2.00            | mg/L  | 1        | BHD0542 | 04/17/24 | 05/10/24 | EPA 6020B |       |

**Total Metals by EPA 6020B**

Date Sampled: **04/05/24 12:55**

| 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 - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
Project Manager: Paul Henchan

**Reported:**  
05/15/24 10:45

**AST03 0.5'**  
**2404117-03 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

| Analyte  | Result | Reporting Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic  | 3.92   | 0.181           | mg/kg dry | 1        | BHD0832 | 04/23/24 | 05/01/24 | EPA 6020B |       |
| Barium   | 55.5   | 0.362           | "         | "        | "       | "        | "        | "         |       |
| Cadmium  | 0.312  | 0.181           | "         | "        | "       | "        | "        | "         |       |
| Copper   | 8.16   | 0.362           | "         | "        | "       | "        | "        | "         |       |
| Lead     | 9.87   | 0.181           | "         | "        | "       | "        | "        | "         |       |
| Nickel   | 7.45   | 0.362           | "         | "        | "       | "        | "        | "         |       |
| Silver   | 0.0305 | 0.0181          | "         | "        | "       | "        | "        | "         |       |
| Zinc     | 34.9   | 0.362           | "         | "        | "       | "        | "        | "         |       |
| Selenium | ND     | 0.236           | "         | "        | "       | "        | "        | "         |       |

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **04/05/24 12:55**

| Analyte              | Result | Reporting Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND     | 0.30            | mg/kg dry | 1        | BHD0598 | 04/18/24 | 04/19/24 | EPA 7196A |       |

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

Date Sampled: **04/05/24 12:55**

| Analyte   | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium   | 49.3   | 0.0500          | mg/L dry | 1        | BHD0851 | 04/23/24 | 05/14/24 | EPA 6020B |       |
| Magnesium | 12.9   | 0.0500          | "        | "        | "       | "        | "        | "         |       |
| Sodium    | 0.588  | 0.0500          | "        | "        | "       | "        | "        | "         |       |

**Calculated Analysis**

Date Sampled: **04/05/24 12:55**

| Analyte                 | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.0193 | 0.00100         | units | 1        | BHE0470 | 05/15/24 | 05/15/24 | Calculation |       |

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **04/05/24 12:55**

| 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 - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 05/15/24 10:45

**AST03 0.5'**  
**2404117-03 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

|          |      |   |   |         |          |          |             |
|----------|------|---|---|---------|----------|----------|-------------|
| % Solids | 87.9 | % | 1 | BHD0447 | 04/15/24 | 04/16/24 | Calculation |
|----------|------|---|---|---------|----------|----------|-------------|

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **04/05/24 12:55**

| Analyte                   | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.0250 | 0.0100          | mmhos/cm | 1        | BHD0853 | 04/23/24 | 04/25/24 | EPA 120.1 |       |

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

Date Sampled: **04/05/24 12:55**

| Analyte | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH      | 7.80   |                 | pH Units | 1        | BHD0852 | 04/23/24 | 04/25/24 | EPA 9045D |       |

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
Project Manager: Paul Henchan

**Reported:**  
05/15/24 10:45

**PWV FLOOR 5'**  
**2404117-04 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **04/05/24 13:00**

| Analyte                     | Result | Reporting |       | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|                             |        | Limit     | Units |          |         |          |          |           |       |
| Benzene                     | ND     | 0.0020    | mg/kg | 1        | BHD0310 | 04/10/24 | 04/12/24 | EPA 8260B |       |
| Toluene                     | ND     | 0.0050    | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene                | ND     | 0.0050    | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total)             | ND     | 0.010     | "     | "        | "       | "        | "        | "         |       |
| 1,2,4-Trimethylbenzene      | ND     | 0.0050    | "     | "        | "       | "        | "        | "         |       |
| 1,3,5-Trimethylbenzene      | ND     | 0.0050    | "     | "        | "       | "        | "        | "         |       |
| Naphthalene                 | ND     | 0.0038    | "     | "        | "       | "        | "        | "         |       |
| Gasoline Range Hydrocarbons | ND     | 0.50      | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **04/05/24 13:00**

| Analyte                          | Result | Reporting |        | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                  |        | Limit     | Units  |          |       |          |          |        |       |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0332 | 83.0 %    | 50-150 | "        | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            | 0.0344 | 86.0 %    | 50-150 | "        | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  | 0.0367 | 91.7 %    | 50-150 | "        | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/05/24 13:00**

| Analyte       | Result | Reporting |       | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|               |        | Limit     | Units |          |         |          |          |           |       |
| C10-C28 (DRO) | ND     | 50        | mg/kg | 1        | BHD0314 | 04/10/24 | 04/11/24 | EPA 8015M |       |
| C28-C36 (ORO) | ND     | 50        | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **04/05/24 13:00**

| Analyte                | Result | Reporting |        | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                        |        | Limit     | Units  |          |       |          |          |        |       |
| Surrogate: o-Terphenyl | 7.95   | 63.6 %    | 30-150 | "        | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
Project Manager: Paul Henchan

**Reported:**  
05/15/24 10:45

**PWV FLOOR 5'**  
**2404117-04 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **04/05/24 13:00**

| Analyte                  | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene             | ND     | 0.00500         | mg/kg | 1        | BHD0272 | 04/09/24 | 04/10/24 | EPA 8270D SIM |       |
| Anthracene               | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (a) anthracene     | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (a) pyrene         | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (b) fluoranthene   | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (k) fluoranthene   | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Chrysene                 | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Dibenz (a,h) anthracene  | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Fluoranthene             | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Fluorene                 | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Indeno (1,2,3-cd) pyrene | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Pyrene                   | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| 1-Methylnaphthalene      | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| 2-Methylnaphthalene      | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |

Date Sampled: **04/05/24 13:00**

| Analyte                            | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0221 | 66.2 %          | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        | 0.0185 | 55.4 %          | 40-150 |          | "     | "        | "        | "      |       |

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **04/05/24 13:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron   | ND     | 2.00            | mg/L  | 1        | BHD0542 | 04/17/24 | 05/10/24 | EPA 6020B |       |

**Total Metals by EPA 6020B**

Date Sampled: **04/05/24 13:00**

| 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 - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
Project Manager: Paul Henchan

**Reported:**  
05/15/24 10:45

**PWV FLOOR 5'**  
**2404117-04 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

| Analyte  | Result | Limit  | Units     | Dilution | Batch   | Prepared | Analyzed | Method    |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|
| Arsenic  | 3.27   | 0.200  | mg/kg dry | 1        | BHD0832 | 04/23/24 | 05/01/24 | EPA 6020B |
| Barium   | 74.8   | 0.400  | "         | "        | "       | "        | "        | "         |
| Cadmium  | 0.211  | 0.200  | "         | "        | "       | "        | "        | "         |
| Copper   | 6.70   | 0.400  | "         | "        | "       | "        | "        | "         |
| Lead     | 7.34   | 0.200  | "         | "        | "       | "        | "        | "         |
| Nickel   | 7.46   | 0.400  | "         | "        | "       | "        | "        | "         |
| Silver   | 0.0351 | 0.0200 | "         | "        | "       | "        | "        | "         |
| Zinc     | 28.8   | 0.400  | "         | "        | "       | "        | "        | "         |
| Selenium | ND     | 0.260  | "         | "        | "       | "        | "        | "         |

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **04/05/24 13:00**

| Analyte              | Result | Reporting Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND     | 0.30            | mg/kg dry | 1        | BHD0598 | 04/18/24 | 04/19/24 | EPA 7196A |       |

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

Date Sampled: **04/05/24 13:00**

| Analyte   | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium   | 28.3   | 0.0500          | mg/L dry | 1        | BHD0851 | 04/23/24 | 05/14/24 | EPA 6020B |       |
| Magnesium | 25.7   | 0.0500          | "        | "        | "       | "        | "        | "         |       |
| Sodium    | 178    | 0.0500          | "        | "        | "       | "        | "        | "         |       |

**Calculated Analysis**

Date Sampled: **04/05/24 13:00**

| Analyte                 | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 5.83   | 0.00100         | units | 1        | BHE0470 | 05/15/24 | 05/15/24 | Calculation |       |

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **04/05/24 13:00**

| 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 - Rouse USX A05,-03,04,05,06,19 Tank  
 Project Number: UWRWE-A3657-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 05/15/24 10:45

**PWV FLOOR 5'**  
**2404117-04 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

|          |      |   |   |         |          |          |             |
|----------|------|---|---|---------|----------|----------|-------------|
| % Solids | 88.2 | % | 1 | BHD0447 | 04/15/24 | 04/16/24 | Calculation |
|----------|------|---|---|---------|----------|----------|-------------|

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **04/05/24 13:00**

| Analyte                   | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 1.11   | 0.0100          | mmhos/cm | 1        | BHD0853 | 04/23/24 | 04/25/24 | EPA 120.1 |       |

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

Date Sampled: **04/05/24 13:00**

| Analyte | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH      | 8.74   |                 | pH Units | 1        | BHD0852 | 04/23/24 | 04/25/24 | EPA 9045D |       |

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
Project Manager: Paul Henchan

**Reported:**  
05/15/24 10:45

**SEP01 DL 3'**  
**2404117-05 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **04/08/24 11:45**

| Analyte                     | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene                     | ND     | 0.0020          | mg/kg | 1        | BHD0310 | 04/10/24 | 04/12/24 | EPA 8260B |       |
| Toluene                     | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene                | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total)             | ND     | 0.010           | "     | "        | "       | "        | "        | "         |       |
| 1,2,4-Trimethylbenzene      | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| 1,3,5-Trimethylbenzene      | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Naphthalene                 | ND     | 0.0038          | "     | "        | "       | "        | "        | "         |       |
| Gasoline Range Hydrocarbons | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **04/08/24 11:45**

| Analyte                          | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | 0.0334 | 83.5 %          | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            | 0.0340 | 85.0 %          | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  | 0.0373 | 93.2 %          | 50-150 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/08/24 11:45**

| Analyte       | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND     | 50              | mg/kg | 1        | BHD0314 | 04/10/24 | 04/11/24 | EPA 8015M |       |
| C28-C36 (ORO) | ND     | 50              | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **04/08/24 11:45**

| Analyte                | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | 7.76   | 62.1 %          | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
Project Manager: Paul Henchan

**Reported:**  
05/15/24 10:45

**SEP01 DL 3'**  
**2404117-05 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **04/08/24 11:45**

| Analyte                  | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene             | ND     | 0.00500         | mg/kg | 1        | BHD0272 | 04/09/24 | 04/10/24 | EPA 8270D SIM |       |
| Anthracene               | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (a) anthracene     | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (a) pyrene         | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (b) fluoranthene   | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (k) fluoranthene   | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Chrysene                 | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Dibenz (a,h) anthracene  | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Fluoranthene             | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Fluorene                 | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Indeno (1,2,3-cd) pyrene | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Pyrene                   | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| 1-Methylnaphthalene      | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| 2-Methylnaphthalene      | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |

Date Sampled: **04/08/24 11:45**

| Analyte                            | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0203 | 61.0 %          | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        | 0.0195 | 58.6 %          | 40-150 |          | "     | "        | "        | "      |       |

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **04/08/24 11:45**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron   | ND     | 2.00            | mg/L  | 1        | BHD0542 | 04/17/24 | 05/10/24 | EPA 6020B |       |

**Total Metals by EPA 6020B**

Date Sampled: **04/08/24 11:45**

| 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 - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
Project Manager: Paul Henchan

**Reported:**  
05/15/24 10:45

**SEP01 DL 3'**  
**2404117-05 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

| Analyte  | Result | Limit  | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic  | 3.43   | 0.200  | mg/kg dry | 1        | BHD0832 | 04/23/24 | 05/01/24 | EPA 6020B |       |
| Barium   | 65.6   | 0.400  | "         | "        | "       | "        | "        | "         |       |
| Cadmium  | ND     | 0.200  | "         | "        | "       | "        | "        | "         |       |
| Copper   | 6.34   | 0.400  | "         | "        | "       | "        | "        | "         |       |
| Lead     | 6.69   | 0.200  | "         | "        | "       | "        | "        | "         |       |
| Nickel   | 7.12   | 0.400  | "         | "        | "       | "        | "        | "         |       |
| Silver   | 0.0299 | 0.0200 | "         | "        | "       | "        | "        | "         |       |
| Zinc     | 26.9   | 0.400  | "         | "        | "       | "        | "        | "         |       |
| Selenium | ND     | 0.260  | "         | "        | "       | "        | "        | "         |       |

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **04/08/24 11:45**

| Analyte              | Result | Reporting Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND     | 0.30            | mg/kg dry | 1        | BHD0598 | 04/18/24 | 04/19/24 | EPA 7196A |       |

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

Date Sampled: **04/08/24 11:45**

| Analyte   | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium   | 38.9   | 0.0500          | mg/L dry | 1        | BHD0851 | 04/23/24 | 05/14/24 | EPA 6020B |       |
| Magnesium | 8.48   | 0.0500          | "        | "        | "       | "        | "        | "         |       |
| Sodium    | 3.74   | 0.0500          | "        | "        | "       | "        | "        | "         |       |

**Calculated Analysis**

Date Sampled: **04/08/24 11:45**

| Analyte                 | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.142  | 0.00100         | units | 1        | BHE0470 | 05/15/24 | 05/15/24 | Calculation |       |

**Physical Parameters by APHA/ASTM/EPA Methods**

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank  
 Project Number: UWRWE-A3657-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 05/15/24 10:45

**SEP01 DL 3'**  
**2404117-05 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **04/08/24 11:45**

| Analyte  | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 86.1   |                 | %     | 1        | BHD0447 | 04/15/24 | 04/16/24 | Calculation |       |

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **04/08/24 11:45**

| Analyte                   | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.101  | 0.0100          | mmhos/cm | 1        | BHD0853 | 04/23/24 | 04/25/24 | EPA 120.1 |       |

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

Date Sampled: **04/08/24 11:45**

| Analyte | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH      | 9.15   |                 | pH Units | 1        | BHD0852 | 04/23/24 | 04/25/24 | EPA 9045D |       |

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PO Box 1289  
Wellington CO, 80549

Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
Project Manager: Paul Henchan

**Reported:**  
05/15/24 10:45

**SEP01 FL 3'**  
**2404117-06 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **04/08/24 11:50**

| Analyte                     | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene                     | ND     | 0.0020          | mg/kg | 1        | BHD0310 | 04/10/24 | 04/13/24 | EPA 8260B |       |
| Toluene                     | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene                | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total)             | ND     | 0.010           | "     | "        | "       | "        | "        | "         |       |
| 1,2,4-Trimethylbenzene      | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| 1,3,5-Trimethylbenzene      | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Naphthalene                 | ND     | 0.0038          | "     | "        | "       | "        | "        | "         |       |
| Gasoline Range Hydrocarbons | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **04/08/24 11:50**

| Analyte                          | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | 0.0312 | 78.0 %          | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            | 0.0345 | 86.2 %          | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  | 0.0365 | 91.4 %          | 50-150 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/08/24 11:50**

| Analyte       | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND     | 50              | mg/kg | 1        | BHD0314 | 04/10/24 | 04/11/24 | EPA 8015M |       |
| C28-C36 (ORO) | ND     | 50              | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **04/08/24 11:50**

| Analyte                | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | 7.31   | 58.5 %          | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
Project Manager: Paul Henchan

**Reported:**  
05/15/24 10:45

**SEP01 FL 3'**  
**2404117-06 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **04/08/24 11:50**

| Analyte                  | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene             | ND     | 0.00500         | mg/kg | 1        | BHD0272 | 04/09/24 | 04/10/24 | EPA 8270D SIM |       |
| Anthracene               | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (a) anthracene     | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (a) pyrene         | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (b) fluoranthene   | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (k) fluoranthene   | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Chrysene                 | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Dibenz (a,h) anthracene  | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Fluoranthene             | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Fluorene                 | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Indeno (1,2,3-cd) pyrene | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Pyrene                   | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| 1-Methylnaphthalene      | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| 2-Methylnaphthalene      | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |

Date Sampled: **04/08/24 11:50**

| Analyte                            | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0194 | 58.1 %          | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        | 0.0183 | 54.9 %          | 40-150 |          | "     | "        | "        | "      |       |

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **04/08/24 11:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron   | ND     | 2.00            | mg/L  | 1        | BHD0542 | 04/17/24 | 05/10/24 | EPA 6020B |       |

**Total Metals by EPA 6020B**

Date Sampled: **04/08/24 11:50**

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

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Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
Project Manager: Paul Henchan

**Reported:**  
05/15/24 10:45

**SEP01 FL 3'**  
**2404117-06 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

| Analyte  | Result | Limit  | Units     | Dilution | Batch   | Prepared | Analyzed | Method    |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|
| Arsenic  | 3.10   | 0.200  | mg/kg dry | 1        | BHD0832 | 04/23/24 | 05/01/24 | EPA 6020B |
| Barium   | 64.4   | 0.400  | "         | "        | "       | "        | "        | "         |
| Cadmium  | ND     | 0.200  | "         | "        | "       | "        | "        | "         |
| Copper   | 6.26   | 0.400  | "         | "        | "       | "        | "        | "         |
| Lead     | 6.92   | 0.200  | "         | "        | "       | "        | "        | "         |
| Nickel   | 6.49   | 0.400  | "         | "        | "       | "        | "        | "         |
| Silver   | 0.0273 | 0.0200 | "         | "        | "       | "        | "        | "         |
| Zinc     | 26.1   | 0.400  | "         | "        | "       | "        | "        | "         |
| Selenium | ND     | 0.260  | "         | "        | "       | "        | "        | "         |

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **04/08/24 11:50**

| Analyte              | Result | Reporting Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND     | 0.30            | mg/kg dry | 1        | BHD0598 | 04/18/24 | 04/19/24 | EPA 7196A |       |

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

Date Sampled: **04/08/24 11:50**

| Analyte   | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium   | 106    | 0.0500          | mg/L dry | 1        | BHD0851 | 04/23/24 | 05/14/24 | EPA 6020B |       |
| Magnesium | 13.3   | 0.0500          | "        | "        | "       | "        | "        | "         |       |
| Sodium    | 0.672  | 0.0500          | "        | "        | "       | "        | "        | "         |       |

**Calculated Analysis**

Date Sampled: **04/08/24 11:50**

| Analyte                 | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.0164 | 0.00100         | units | 1        | BHE0470 | 05/15/24 | 05/15/24 | Calculation |       |

**Physical Parameters by APHA/ASTM/EPA Methods**

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank  
 Project Number: UWRWE-A3657-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 05/15/24 10:45

**SEP01 FL 3'**  
**2404117-06 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **04/08/24 11:50**

| Analyte  | Result      | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|----------|-------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | <b>88.0</b> |                 | %     | 1        | BHD0447 | 04/15/24 | 04/16/24 | Calculation |       |

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **04/08/24 11:50**

| Analyte                   | Result        | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------------|---------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | <b>0.0867</b> | 0.0100          | mmhos/cm | 1        | BHD0853 | 04/23/24 | 04/25/24 | EPA 120.1 |       |

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

Date Sampled: **04/08/24 11:50**

| Analyte | Result      | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH      | <b>8.98</b> |                 | pH Units | 1        | BHD0852 | 04/23/24 | 04/25/24 | EPA 9045D |       |

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Wellington CO, 80549

Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
Project Manager: Paul Henchan

**Reported:**  
05/15/24 10:45

**SEP02 DL 3'**  
**2404117-07 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **04/08/24 11:55**

| Analyte                     | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene                     | ND     | 0.0020          | mg/kg | 1        | BHD0310 | 04/10/24 | 04/13/24 | EPA 8260B |       |
| Toluene                     | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene                | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total)             | ND     | 0.010           | "     | "        | "       | "        | "        | "         |       |
| 1,2,4-Trimethylbenzene      | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| 1,3,5-Trimethylbenzene      | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Naphthalene                 | ND     | 0.0038          | "     | "        | "       | "        | "        | "         |       |
| Gasoline Range Hydrocarbons | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **04/08/24 11:55**

| Analyte                          | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | 0.0338 | 84.6 %          | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            | 0.0344 | 86.1 %          | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  | 0.0360 | 90.0 %          | 50-150 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/08/24 11:55**

| Analyte       | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND     | 50              | mg/kg | 1        | BHD0314 | 04/10/24 | 04/11/24 | EPA 8015M |       |
| C28-C36 (ORO) | ND     | 50              | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **04/08/24 11:55**

| Analyte                | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | 7.36   | 58.9 %          | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
Project Manager: Paul Henchan

**Reported:**  
05/15/24 10:45

**SEP02 DL 3'**  
**2404117-07 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **04/08/24 11:55**

| Analyte                  | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene             | ND     | 0.00500         | mg/kg | 1        | BHD0272 | 04/09/24 | 04/11/24 | EPA 8270D SIM |       |
| Anthracene               | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (a) anthracene     | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (a) pyrene         | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (b) fluoranthene   | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (k) fluoranthene   | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Chrysene                 | 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: **04/08/24 11:55**

| Analyte                            | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0183 | 54.9 %          | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        | 0.0202 | 60.7 %          | 40-150 |          | "     | "        | "        | "      |       |

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **04/08/24 11:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron   | ND     | 2.00            | mg/L  | 1        | BHD0542 | 04/17/24 | 05/10/24 | EPA 6020B |       |

**Total Metals by EPA 6020B**

Date Sampled: **04/08/24 11:55**

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

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Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
Project Manager: Paul Henchan

**Reported:**  
05/15/24 10:45

**SEP02 DL 3'**  
**2404117-07 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

| Analyte  | Result | Limit  | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic  | 4.16   | 0.200  | mg/kg dry | 1        | BHD0832 | 04/23/24 | 05/01/24 | EPA 6020B |       |
| Barium   | 91.4   | 0.400  | "         | "        | "       | "        | "        | "         |       |
| Cadmium  | 0.221  | 0.200  | "         | "        | "       | "        | "        | "         |       |
| Copper   | 7.04   | 0.400  | "         | "        | "       | "        | "        | "         |       |
| Lead     | 7.48   | 0.200  | "         | "        | "       | "        | "        | "         |       |
| Nickel   | 8.52   | 0.400  | "         | "        | "       | "        | "        | "         |       |
| Silver   | 0.0405 | 0.0200 | "         | "        | "       | "        | "        | "         |       |
| Zinc     | 28.6   | 0.400  | "         | "        | "       | "        | "        | "         |       |
| Selenium | ND     | 0.260  | "         | "        | "       | "        | "        | "         |       |

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **04/08/24 11:55**

| Analyte              | Result | Reporting Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND     | 0.30            | mg/kg dry | 1        | BHD0598 | 04/18/24 | 04/19/24 | EPA 7196A |       |

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

Date Sampled: **04/08/24 11:55**

| Analyte   | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium   | 102    | 0.0500          | mg/L dry | 1        | BHD0851 | 04/23/24 | 05/14/24 | EPA 6020B |       |
| Magnesium | 8.18   | 0.0500          | "        | "        | "       | "        | "        | "         |       |
| Sodium    | 0.951  | 0.0500          | "        | "        | "       | "        | "        | "         |       |

**Calculated Analysis**

Date Sampled: **04/08/24 11:55**

| Analyte                 | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.0244 | 0.00100         | units | 1        | BHE0470 | 05/15/24 | 05/15/24 | Calculation |       |

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **04/08/24 11:55**

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

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Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 05/15/24 10:45

**SEP02 DL 3'**  
**2404117-07 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

|          |      |   |   |         |          |          |             |
|----------|------|---|---|---------|----------|----------|-------------|
| % Solids | 88.8 | % | 1 | BHD0447 | 04/15/24 | 04/16/24 | Calculation |
|----------|------|---|---|---------|----------|----------|-------------|

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **04/08/24 11:55**

| Analyte                   | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.0902 | 0.0100          | mmhos/cm | 1        | BHD0853 | 04/23/24 | 04/25/24 | EPA 120.1 |       |

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

Date Sampled: **04/08/24 11:55**

| Analyte | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH      | 9.05   |                 | pH Units | 1        | BHD0852 | 04/23/24 | 04/25/24 | EPA 9045D |       |

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Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
Project Manager: Paul Henchan

**Reported:**  
05/15/24 10:45

**SEP02 FL 3'**  
**2404117-08 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **04/08/24 12:00**

| Analyte                     | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene                     | ND     | 0.0020          | mg/kg | 1        | BHD0310 | 04/10/24 | 04/13/24 | EPA 8260B |       |
| Toluene                     | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene                | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total)             | ND     | 0.010           | "     | "        | "       | "        | "        | "         |       |
| 1,2,4-Trimethylbenzene      | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| 1,3,5-Trimethylbenzene      | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Naphthalene                 | ND     | 0.0038          | "     | "        | "       | "        | "        | "         |       |
| Gasoline Range Hydrocarbons | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **04/08/24 12:00**

| Analyte                          | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | 0.0336 | 83.9 %          | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            | 0.0346 | 86.4 %          | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  | 0.0371 | 92.8 %          | 50-150 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/08/24 12:00**

| Analyte       | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND     | 50              | mg/kg | 1        | BHD0314 | 04/10/24 | 04/11/24 | EPA 8015M |       |
| C28-C36 (ORO) | ND     | 50              | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **04/08/24 12:00**

| Analyte                | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | 7.76   | 62.1 %          | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

Summit Scientific

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Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
Project Manager: Paul Henchan

**Reported:**  
05/15/24 10:45

**SEP02 FL 3'**  
**2404117-08 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **04/08/24 12:00**

| Analyte                  | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene             | ND     | 0.00500         | mg/kg | 1        | BHD0272 | 04/09/24 | 04/11/24 | EPA 8270D SIM |       |
| Anthracene               | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (a) anthracene     | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (a) pyrene         | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (b) fluoranthene   | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (k) fluoranthene   | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Chrysene                 | 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: **04/08/24 12:00**

| Analyte                            | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0255 | 76.4 %          | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        | 0.0229 | 68.8 %          | 40-150 |          | "     | "        | "        | "      |       |

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **04/08/24 12:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron   | ND     | 2.00            | mg/L  | 1        | BHD0542 | 04/17/24 | 05/10/24 | EPA 6020B |       |

**Total Metals by EPA 6020B**

Date Sampled: **04/08/24 12:00**

| 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 - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
Project Manager: Paul Henchan

**Reported:**  
05/15/24 10:45

**SEP02 FL 3'**  
**2404117-08 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

| Analyte  | Result | Limit  | Units     | Dilution | Batch   | Prepared | Analyzed | Method    |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|
| Arsenic  | 4.63   | 0.200  | mg/kg dry | 1        | BHD0832 | 04/23/24 | 05/01/24 | EPA 6020B |
| Barium   | 112    | 0.400  | "         | "        | "       | "        | "        | "         |
| Cadmium  | 0.301  | 0.200  | "         | "        | "       | "        | "        | "         |
| Copper   | 8.02   | 0.400  | "         | "        | "       | "        | "        | "         |
| Lead     | 7.85   | 0.200  | "         | "        | "       | "        | "        | "         |
| Nickel   | 9.01   | 0.400  | "         | "        | "       | "        | "        | "         |
| Silver   | 0.0332 | 0.0200 | "         | "        | "       | "        | "        | "         |
| Zinc     | 31.5   | 0.400  | "         | "        | "       | "        | "        | "         |
| Selenium | ND     | 0.260  | "         | "        | "       | "        | "        | "         |

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **04/08/24 12:00**

| Analyte              | Result | Reporting Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND     | 0.30            | mg/kg dry | 1        | BHD0598 | 04/18/24 | 04/19/24 | EPA 7196A |       |

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

Date Sampled: **04/08/24 12:00**

| Analyte   | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium   | 92.7   | 0.0500          | mg/L dry | 1        | BHD0851 | 04/23/24 | 05/14/24 | EPA 6020B |       |
| Magnesium | 12.5   | 0.0500          | "        | "        | "       | "        | "        | "         |       |
| Sodium    | 0.779  | 0.0500          | "        | "        | "       | "        | "        | "         |       |

**Calculated Analysis**

Date Sampled: **04/08/24 12:00**

| Analyte                 | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.0202 | 0.00100         | units | 1        | BHE0470 | 05/15/24 | 05/15/24 | Calculation |       |

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **04/08/24 12:00**

| 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 - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 05/15/24 10:45

**SEP02 FL 3'**  
**2404117-08 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

|          |      |   |   |         |          |          |             |
|----------|------|---|---|---------|----------|----------|-------------|
| % Solids | 84.9 | % | 1 | BHD0447 | 04/15/24 | 04/16/24 | Calculation |
|----------|------|---|---|---------|----------|----------|-------------|

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **04/08/24 12:00**

| Analyte                   | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.0966 | 0.0100          | mmhos/cm | 1        | BHD0853 | 04/23/24 | 04/25/24 | EPA 120.1 |       |

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

Date Sampled: **04/08/24 12:00**

| Analyte | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH      | 8.98   |                 | pH Units | 1        | BHD0852 | 04/23/24 | 04/25/24 | EPA 9045D |       |

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PO Box 1289  
Wellington CO, 80549

Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
Project Manager: Paul Henchan

**Reported:**  
05/15/24 10:45

### 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 BHD0310 - EPA 5030 Soil MS

##### Blank (BHD0310-BLK1)

Prepared: 04/10/24 Analyzed: 04/12/24

|                                  |        |        |       |        |  |      |        |  |  |  |  |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|--|
| Benzene                          | ND     | 0.0020 | mg/kg |        |  |      |        |  |  |  |  |
| Toluene                          | ND     | 0.0050 | "     |        |  |      |        |  |  |  |  |
| Ethylbenzene                     | ND     | 0.0050 | "     |        |  |      |        |  |  |  |  |
| Xylenes (total)                  | ND     | 0.010  | "     |        |  |      |        |  |  |  |  |
| 1,2,4-Trimethylbenzene           | ND     | 0.0050 | "     |        |  |      |        |  |  |  |  |
| 1,3,5-Trimethylbenzene           | ND     | 0.0050 | "     |        |  |      |        |  |  |  |  |
| Naphthalene                      | ND     | 0.0038 | "     |        |  |      |        |  |  |  |  |
| Gasoline Range Hydrocarbons      | ND     | 0.50   | "     |        |  |      |        |  |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0322 |        | "     | 0.0400 |  | 80.4 | 50-150 |  |  |  |  |
| Surrogate: Toluene-d8            | 0.0342 |        | "     | 0.0400 |  | 85.5 | 50-150 |  |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 0.0374 |        | "     | 0.0400 |  | 93.4 | 50-150 |  |  |  |  |

##### LCS (BHD0310-BS1)

Prepared: 04/10/24 Analyzed: 04/12/24

|                                  |        |        |       |        |  |      |        |  |  |  |  |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|--|
| Benzene                          | 0.0851 | 0.0020 | mg/kg | 0.100  |  | 85.1 | 70-130 |  |  |  |  |
| Toluene                          | 0.0835 | 0.0050 | "     | 0.100  |  | 83.5 | 70-130 |  |  |  |  |
| Ethylbenzene                     | 0.120  | 0.0050 | "     | 0.100  |  | 120  | 70-130 |  |  |  |  |
| m,p-Xylene                       | 0.238  | 0.010  | "     | 0.200  |  | 119  | 70-130 |  |  |  |  |
| o-Xylene                         | 0.114  | 0.0050 | "     | 0.100  |  | 114  | 70-130 |  |  |  |  |
| 1,2,4-Trimethylbenzene           | 0.129  | 0.0050 | "     | 0.100  |  | 129  | 70-130 |  |  |  |  |
| 1,3,5-Trimethylbenzene           | 0.127  | 0.0050 | "     | 0.100  |  | 127  | 70-130 |  |  |  |  |
| Naphthalene                      | 0.112  | 0.0038 | "     | 0.100  |  | 112  | 70-130 |  |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0336 |        | "     | 0.0400 |  | 84.1 | 50-150 |  |  |  |  |
| Surrogate: Toluene-d8            | 0.0348 |        | "     | 0.0400 |  | 87.0 | 50-150 |  |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 0.0363 |        | "     | 0.0400 |  | 90.7 | 50-150 |  |  |  |  |

##### Matrix Spike (BHD0310-MS1)

Source: 2404117-01

Prepared: 04/10/24 Analyzed: 04/12/24

|                                  |        |        |       |        |    |      |        |  |  |  |  |
|----------------------------------|--------|--------|-------|--------|----|------|--------|--|--|--|--|
| Benzene                          | 0.0869 | 0.0020 | mg/kg | 0.100  | ND | 86.9 | 70-130 |  |  |  |  |
| Toluene                          | 0.0854 | 0.0050 | "     | 0.100  | ND | 85.4 | 70-130 |  |  |  |  |
| Ethylbenzene                     | 0.125  | 0.0050 | "     | 0.100  | ND | 125  | 70-130 |  |  |  |  |
| m,p-Xylene                       | 0.247  | 0.010  | "     | 0.200  | ND | 124  | 70-130 |  |  |  |  |
| o-Xylene                         | 0.117  | 0.0050 | "     | 0.100  | ND | 117  | 70-130 |  |  |  |  |
| 1,2,4-Trimethylbenzene           | 0.103  | 0.0050 | "     | 0.100  | ND | 103  | 70-130 |  |  |  |  |
| 1,3,5-Trimethylbenzene           | 0.130  | 0.0050 | "     | 0.100  | ND | 130  | 70-130 |  |  |  |  |
| Naphthalene                      | 0.109  | 0.0038 | "     | 0.100  | ND | 109  | 70-130 |  |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0342 |        | "     | 0.0400 |    | 85.4 | 50-150 |  |  |  |  |
| Surrogate: Toluene-d8            | 0.0351 |        | "     | 0.0400 |    | 87.7 | 50-150 |  |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 0.0369 |        | "     | 0.0400 |    | 92.2 | 50-150 |  |  |  |  |

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 05/15/24 10:45

**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 BHD0310 - EPA 5030 Soil MS**

| <b>Matrix Spike Dup (BHD0310-MSD1)</b>  | <b>Source: 2404117-01</b> |        |          | <b>Prepared: 04/10/24 Analyzed: 04/12/24</b> |    |             |               |       |    |  |
|---|---------------------------|--------|----------|--|----|-------------|---------------|-------|----|--|
| Benzene                                 | 0.0881                    | 0.0020 | mg/kg    | 0.100  | ND | 88.1        | 70-130        | 1.44  | 30 |  |
| Toluene                                 | 0.0873                    | 0.0050 | "        | 0.100  | ND | 87.3        | 70-130        | 2.12  | 30 |  |
| Ethylbenzene                            | 0.124                     | 0.0050 | "        | 0.100  | ND | 124         | 70-130        | 0.915 | 30 |  |
| m,p-Xylene                              | 0.245                     | 0.010  | "        | 0.200  | ND | 122         | 70-130        | 1.17  | 30 |  |
| o-Xylene                                | 0.114                     | 0.0050 | "        | 0.100  | ND | 114         | 70-130        | 2.44  | 30 |  |
| 1,2,4-Trimethylbenzene                  | 0.101                     | 0.0050 | "        | 0.100  | ND | 101         | 70-130        | 1.76  | 30 |  |
| 1,3,5-Trimethylbenzene                  | 0.130                     | 0.0050 | "        | 0.100  | ND | 130         | 70-130        | 0.138 | 30 |  |
| Naphthalene                             | 0.104                     | 0.0038 | "        | 0.100  | ND | 104         | 70-130        | 5.04  | 30 |  |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0345</i>             |        | <i>"</i> | <i>0.0400</i>                                |    | <i>86.2</i> | <i>50-150</i> |       |    |  |
| <i>Surrogate: Toluene-d8</i>            | <i>0.0350</i>             |        | <i>"</i> | <i>0.0400</i>                                |    | <i>87.4</i> | <i>50-150</i> |       |    |  |
| <i>Surrogate: 4-Bromofluorobenzene</i>  | <i>0.0363</i>             |        | <i>"</i> | <i>0.0400</i>                                |    | <i>90.8</i> | <i>50-150</i> |       |    |  |

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 05/15/24 10:45

**Extractable Petroleum Hydrocarbons by 8015 - Quality Control**  
**Summit Scientific**

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

**Batch BHD0314 - EPA 3550A**

**Blank (BHD0314-BLK1)**

Prepared: 04/10/24 Analyzed: 04/11/24

|                                |      |    |       |      |  |      |  |        |  |  |  |
|--------------------------------|------|----|-------|------|--|------|--|--------|--|--|--|
| C10-C28 (DRO)                  | ND   | 50 | mg/kg |      |  |      |  |        |  |  |  |
| C28-C36 (ORO)                  | ND   | 50 | "     |      |  |      |  |        |  |  |  |
| Surrogate: <i>o</i> -Terphenyl | 10.7 |    | "     | 12.5 |  | 86.0 |  | 30-150 |  |  |  |

**LCS (BHD0314-BS1)**

Prepared: 04/10/24 Analyzed: 04/11/24

|                                |      |    |       |      |  |      |  |        |  |  |  |
|--------------------------------|------|----|-------|------|--|------|--|--------|--|--|--|
| C10-C28 (DRO)                  | 449  | 50 | mg/kg | 500  |  | 89.9 |  | 70-130 |  |  |  |
| Surrogate: <i>o</i> -Terphenyl | 10.0 |    | "     | 12.5 |  | 80.2 |  | 30-150 |  |  |  |

**Matrix Spike (BHD0314-MS1)**

Source: 2404117-01

Prepared: 04/10/24 Analyzed: 04/11/24

|                                |      |    |       |      |      |      |  |        |  |  |  |
|--------------------------------|------|----|-------|------|------|------|--|--------|--|--|--|
| C10-C28 (DRO)                  | 432  | 50 | mg/kg | 500  | 17.2 | 83.0 |  | 70-130 |  |  |  |
| Surrogate: <i>o</i> -Terphenyl | 7.02 |    | "     | 12.5 |      | 56.2 |  | 30-150 |  |  |  |

**Matrix Spike Dup (BHD0314-MSD1)**

Source: 2404117-01

Prepared: 04/10/24 Analyzed: 04/11/24

|                                |      |    |       |      |      |      |  |        |      |    |  |
|--------------------------------|------|----|-------|------|------|------|--|--------|------|----|--|
| C10-C28 (DRO)                  | 406  | 50 | mg/kg | 500  | 17.2 | 77.7 |  | 70-130 | 6.24 | 20 |  |
| Surrogate: <i>o</i> -Terphenyl | 8.08 |    | "     | 12.5 |      | 64.6 |  | 30-150 |      |    |  |

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PO Box 1289  
Wellington CO, 80549

Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
Project Manager: Paul Henchan

**Reported:**  
05/15/24 10:45

**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 BHD0272 - EPA 5030 Soil MS**

**Blank (BHD0272-BLK1)**

Prepared: 04/09/24 Analyzed: 04/10/24

|                                    |        |         |       |        |  |      |        |  |  |  |
|------------------------------------|--------|---------|-------|--------|--|------|--------|--|--|--|
| Acenaphthene                       | ND     | 0.00500 | mg/kg |        |  |      |        |  |  |  |
| Anthracene                         | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Benzo (a) anthracene               | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Benzo (a) pyrene                   | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Benzo (b) fluoranthene             | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Benzo (k) fluoranthene             | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Chrysene                           | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Dibenz (a,h) anthracene            | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Fluoranthene                       | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Fluorene                           | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Indeno (1,2,3-cd) pyrene           | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Pyrene                             | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| 1-Methylnaphthalene                | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| 2-Methylnaphthalene                | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0285 |         | "     | 0.0333 |  | 85.5 | 40-150 |  |  |  |
| Surrogate: Fluoranthene-d10        | 0.0264 |         | "     | 0.0333 |  | 79.1 | 40-150 |  |  |  |

**LCS (BHD0272-BS1)**

Prepared: 04/09/24 Analyzed: 04/10/24

|                                    |        |         |       |        |  |      |        |  |  |  |
|------------------------------------|--------|---------|-------|--------|--|------|--------|--|--|--|
| Acenaphthene                       | 0.0255 | 0.00500 | mg/kg | 0.0333 |  | 76.5 | 31-137 |  |  |  |
| Anthracene                         | 0.0250 | 0.00500 | "     | 0.0333 |  | 74.9 | 30-120 |  |  |  |
| Benzo (a) anthracene               | 0.0208 | 0.00500 | "     | 0.0333 |  | 62.5 | 30-120 |  |  |  |
| Benzo (a) pyrene                   | 0.0214 | 0.00500 | "     | 0.0333 |  | 64.3 | 30-120 |  |  |  |
| Benzo (b) fluoranthene             | 0.0233 | 0.00500 | "     | 0.0333 |  | 69.8 | 30-120 |  |  |  |
| Benzo (k) fluoranthene             | 0.0219 | 0.00500 | "     | 0.0333 |  | 65.6 | 30-120 |  |  |  |
| Chrysene                           | 0.0243 | 0.00500 | "     | 0.0333 |  | 73.0 | 30-120 |  |  |  |
| Dibenz (a,h) anthracene            | 0.0297 | 0.00500 | "     | 0.0333 |  | 89.1 | 30-120 |  |  |  |
| Fluoranthene                       | 0.0241 | 0.00500 | "     | 0.0333 |  | 72.2 | 30-120 |  |  |  |
| Fluorene                           | 0.0201 | 0.00500 | "     | 0.0333 |  | 60.4 | 30-120 |  |  |  |
| Indeno (1,2,3-cd) pyrene           | 0.0322 | 0.00500 | "     | 0.0333 |  | 96.5 | 30-120 |  |  |  |
| Pyrene                             | 0.0287 | 0.00500 | "     | 0.0333 |  | 86.0 | 35-142 |  |  |  |
| 1-Methylnaphthalene                | 0.0250 | 0.00500 | "     | 0.0333 |  | 75.0 | 35-142 |  |  |  |
| 2-Methylnaphthalene                | 0.0297 | 0.00500 | "     | 0.0333 |  | 89.2 | 35-142 |  |  |  |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0262 |         | "     | 0.0333 |  | 78.5 | 40-150 |  |  |  |
| Surrogate: Fluoranthene-d10        | 0.0234 |         | "     | 0.0333 |  | 70.2 | 40-150 |  |  |  |

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
Project Manager: Paul Henchan

**Reported:**  
05/15/24 10:45

**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 BHD0272 - EPA 5030 Soil MS**

| <b>Matrix Spike (BHD0272-MS1)</b>         | <b>Source: 2404117-01</b> |         |          | <b>Prepared: 04/09/24 Analyzed: 04/10/24</b> |    |             |               |  |  |  |  |
|---|---------------------------|---------|----------|--|----|-------------|---------------|--|--|--|--|
| Acenaphthene                              | 0.0153                    | 0.00500 | mg/kg    | 0.0333                                       | ND | 45.8        | 31-137        |  |  |  |  |
| Anthracene                                | 0.0155                    | 0.00500 | "        | 0.0333                                       | ND | 46.6        | 30-120        |  |  |  |  |
| Benzo (a) anthracene                      | 0.0159                    | 0.00500 | "        | 0.0333                                       | ND | 47.6        | 30-120        |  |  |  |  |
| Benzo (a) pyrene                          | 0.0162                    | 0.00500 | "        | 0.0333                                       | ND | 48.5        | 30-120        |  |  |  |  |
| Benzo (b) fluoranthene                    | 0.0150                    | 0.00500 | "        | 0.0333                                       | ND | 45.0        | 30-120        |  |  |  |  |
| Benzo (k) fluoranthene                    | 0.0166                    | 0.00500 | "        | 0.0333                                       | ND | 49.8        | 30-120        |  |  |  |  |
| Chrysene                                  | 0.0168                    | 0.00500 | "        | 0.0333                                       | ND | 50.5        | 30-120        |  |  |  |  |
| Dibenz (a,h) anthracene                   | 0.0180                    | 0.00500 | "        | 0.0333                                       | ND | 54.0        | 30-120        |  |  |  |  |
| Fluoranthene                              | 0.0158                    | 0.00500 | "        | 0.0333                                       | ND | 47.3        | 30-120        |  |  |  |  |
| Fluorene                                  | 0.0136                    | 0.00500 | "        | 0.0333                                       | ND | 40.9        | 30-120        |  |  |  |  |
| Indeno (1,2,3-cd) pyrene                  | 0.0196                    | 0.00500 | "        | 0.0333                                       | ND | 58.9        | 30-120        |  |  |  |  |
| Pyrene                                    | 0.0197                    | 0.00500 | "        | 0.0333                                       | ND | 59.2        | 35-142        |  |  |  |  |
| 1-Methylnaphthalene                       | 0.0135                    | 0.00500 | "        | 0.0333                                       | ND | 40.5        | 15-130        |  |  |  |  |
| 2-Methylnaphthalene                       | 0.0188                    | 0.00500 | "        | 0.0333                                       | ND | 56.3        | 15-130        |  |  |  |  |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0147</i>             |         | <i>"</i> | <i>0.0333</i>                                |    | <i>44.2</i> | <i>40-150</i> |  |  |  |  |
| <i>Surrogate: Fluoranthene-d10</i>        | <i>0.0162</i>             |         | <i>"</i> | <i>0.0333</i>                                |    | <i>48.6</i> | <i>40-150</i> |  |  |  |  |

| <b>Matrix Spike Dup (BHD0272-MSD1)</b>    | <b>Source: 2404117-01</b> |         |          | <b>Prepared: 04/09/24 Analyzed: 04/10/24</b> |    |             |               |       |    |  |  |
|---|---------------------------|---------|----------|--|----|-------------|---------------|-------|----|--|--|
| Acenaphthene                              | 0.0156                    | 0.00500 | mg/kg    | 0.0333                                       | ND | 46.8        | 31-137        | 2.15  | 30 |  |  |
| Anthracene                                | 0.0147                    | 0.00500 | "        | 0.0333                                       | ND | 44.0        | 30-120        | 5.89  | 30 |  |  |
| Benzo (a) anthracene                      | 0.0158                    | 0.00500 | "        | 0.0333                                       | ND | 47.5        | 30-120        | 0.164 | 30 |  |  |
| Benzo (a) pyrene                          | 0.0142                    | 0.00500 | "        | 0.0333                                       | ND | 42.7        | 30-120        | 12.8  | 30 |  |  |
| Benzo (b) fluoranthene                    | 0.0134                    | 0.00500 | "        | 0.0333                                       | ND | 40.3        | 30-120        | 11.0  | 30 |  |  |
| Benzo (k) fluoranthene                    | 0.0145                    | 0.00500 | "        | 0.0333                                       | ND | 43.4        | 30-120        | 13.8  | 30 |  |  |
| Chrysene                                  | 0.0165                    | 0.00500 | "        | 0.0333                                       | ND | 49.4        | 30-120        | 2.35  | 30 |  |  |
| Dibenz (a,h) anthracene                   | 0.0156                    | 0.00500 | "        | 0.0333                                       | ND | 46.9        | 30-120        | 14.1  | 30 |  |  |
| Fluoranthene                              | 0.0150                    | 0.00500 | "        | 0.0333                                       | ND | 45.1        | 30-120        | 4.64  | 30 |  |  |
| Fluorene                                  | 0.0134                    | 0.00500 | "        | 0.0333                                       | ND | 40.1        | 30-120        | 2.06  | 30 |  |  |
| Indeno (1,2,3-cd) pyrene                  | 0.0205                    | 0.00500 | "        | 0.0333                                       | ND | 61.5        | 30-120        | 4.30  | 30 |  |  |
| Pyrene                                    | 0.0195                    | 0.00500 | "        | 0.0333                                       | ND | 58.5        | 35-142        | 1.10  | 30 |  |  |
| 1-Methylnaphthalene                       | 0.0166                    | 0.00500 | "        | 0.0333                                       | ND | 49.9        | 15-130        | 20.7  | 50 |  |  |
| 2-Methylnaphthalene                       | 0.0190                    | 0.00500 | "        | 0.0333                                       | ND | 56.9        | 15-130        | 0.927 | 50 |  |  |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0160</i>             |         | <i>"</i> | <i>0.0333</i>                                |    | <i>48.1</i> | <i>40-150</i> |       |    |  |  |
| <i>Surrogate: Fluoranthene-d10</i>        | <i>0.0150</i>             |         | <i>"</i> | <i>0.0333</i>                                |    | <i>45.1</i> | <i>40-150</i> |       |    |  |  |

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 05/15/24 10:45

**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 BHD0542 - EPA 3050B**

|  |       |                                       |      |                                       |       |      |        |      |    |       |
|--|-------|---------------------------------------|------|---------------------------------------|-------|------|--------|------|----|-------|
| <b>Blank (BHD0542-BLK1)</b>            |       | Prepared: 04/17/24 Analyzed: 05/10/24 |      |                                       |       |      |        |      |    |       |
| Boron                                  | ND    | 2.00                                  | mg/L |                                       |       |      |        |      |    |       |
| <b>LCS (BHD0542-BS1)</b>               |       | Prepared: 04/17/24 Analyzed: 05/10/24 |      |                                       |       |      |        |      |    |       |
| Boron                                  | 4.77  | 2.00                                  | mg/L | 5.00                                  |       | 95.4 | 80-120 |      |    |       |
| <b>Duplicate (BHD0542-DUP1)</b>        |       | <b>Source: 2404117-01</b>             |      | Prepared: 04/17/24 Analyzed: 05/10/24 |       |      |        |      |    |       |
| Boron                                  | 0.407 | 2.00                                  | mg/L |                                       | 0.295 |      |        | 32.0 | 20 | QR-01 |
| <b>Matrix Spike (BHD0542-MS1)</b>      |       | <b>Source: 2404117-01</b>             |      | Prepared: 04/17/24 Analyzed: 05/10/24 |       |      |        |      |    |       |
| Boron                                  | 4.59  | 2.00                                  | mg/L | 4.97                                  | 0.295 | 86.4 | 75-125 |      |    |       |
| <b>Matrix Spike Dup (BHD0542-MSD1)</b> |       | <b>Source: 2404117-01</b>             |      | Prepared: 04/17/24 Analyzed: 05/10/24 |       |      |        |      |    |       |
| Boron                                  | 4.70  | 2.00                                  | mg/L | 4.97                                  | 0.295 | 88.7 | 75-125 | 2.40 | 25 |       |

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PO Box 1289  
Wellington CO, 80549

Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
Project Manager: Paul Henchan

**Reported:**  
05/15/24 10:45

**Total Metals by EPA 6020B - Quality Control**  
**Summit Scientific**

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

**Batch BHD0832 - EPA 3050B**

**Blank (BHD0832-BLK1)**

Prepared: 04/23/24 Analyzed: 05/01/24

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

**LCS (BHD0832-BS1)**

Prepared: 04/23/24 Analyzed: 05/01/24

|          |      |        |           |      |      |        |
|----------|------|--------|-----------|------|------|--------|
| Arsenic  | 38.6 | 0.200  | mg/kg wet | 40.0 | 96.5 | 80-120 |
| Barium   | 39.5 | 0.400  | "         | 40.0 | 98.8 | 80-120 |
| Cadmium  | 2.00 | 0.200  | "         | 2.00 | 99.8 | 80-120 |
| Copper   | 39.1 | 0.400  | "         | 40.0 | 97.8 | 80-120 |
| Lead     | 19.6 | 0.200  | "         | 20.0 | 97.8 | 80-120 |
| Nickel   | 38.4 | 0.400  | "         | 40.0 | 96.0 | 80-120 |
| Silver   | 2.02 | 0.0200 | "         | 2.00 | 101  | 80-120 |
| Zinc     | 38.9 | 0.400  | "         | 40.0 | 97.3 | 80-120 |
| Selenium | 3.95 | 0.260  | "         | 4.00 | 98.7 | 80-120 |

**Duplicate (BHD0832-DUP1)**

Source: 2404117-01

Prepared: 04/23/24 Analyzed: 05/01/24

|          |        |        |           |        |      |    |
|----------|--------|--------|-----------|--------|------|----|
| Arsenic  | 2.12   | 0.200  | mg/kg dry | 2.04   | 3.87 | 20 |
| Barium   | 38.4   | 0.400  | "         | 37.2   | 3.05 | 20 |
| Cadmium  | 0.0920 | 0.200  | "         | 0.0931 | 1.14 | 20 |
| Copper   | 9.06   | 0.400  | "         | 8.95   | 1.20 | 20 |
| Lead     | 3.64   | 0.200  | "         | 3.60   | 1.18 | 20 |
| Nickel   | 5.14   | 0.400  | "         | 5.08   | 1.17 | 20 |
| Silver   | 0.0173 | 0.0200 | "         | 0.0162 | 6.57 | 20 |
| Zinc     | 18.0   | 0.400  | "         | 17.6   | 1.89 | 20 |
| Selenium | ND     | 0.260  | "         | ND     |      | 20 |

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
Project Manager: Paul Henchan

**Reported:**  
05/15/24 10:45

**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 BHD0832 - EPA 3050B**

**Matrix Spike (BHD0832-MS1)**

Source: 2404117-01

Prepared: 04/23/24 Analyzed: 05/01/24

|          |      |        |           |      |        |      |        |  |  |
|----------|------|--------|-----------|------|--------|------|--------|--|--|
| Arsenic  | 39.7 | 0.200  | mg/kg dry | 39.1 | 2.04   | 96.4 | 75-125 |  |  |
| Barium   | 71.3 | 0.400  | "         | 39.1 | 37.2   | 87.3 | 75-125 |  |  |
| Cadmium  | 2.09 | 0.200  | "         | 1.96 | 0.0931 | 102  | 75-125 |  |  |
| Copper   | 43.4 | 0.400  | "         | 39.1 | 8.95   | 88.1 | 75-125 |  |  |
| Lead     | 23.0 | 0.200  | "         | 19.6 | 3.60   | 99.2 | 75-125 |  |  |
| Nickel   | 42.4 | 0.400  | "         | 39.1 | 5.08   | 95.4 | 75-125 |  |  |
| Silver   | 1.98 | 0.0200 | "         | 1.96 | 0.0162 | 100  | 75-125 |  |  |
| Zinc     | 54.1 | 0.400  | "         | 39.1 | 17.6   | 93.4 | 75-125 |  |  |
| Selenium | 3.32 | 0.260  | "         | 3.91 | ND     | 84.8 | 75-125 |  |  |

**Matrix Spike Dup (BHD0832-MSD1)**

Source: 2404117-01

Prepared: 04/23/24 Analyzed: 05/01/24

|          |      |        |           |      |        |      |        |       |    |
|----------|------|--------|-----------|------|--------|------|--------|-------|----|
| Arsenic  | 39.6 | 0.200  | mg/kg dry | 39.1 | 2.04   | 95.9 | 75-125 | 0.472 | 25 |
| Barium   | 70.4 | 0.400  | "         | 39.1 | 37.2   | 84.9 | 75-125 | 1.35  | 25 |
| Cadmium  | 2.05 | 0.200  | "         | 1.96 | 0.0931 | 99.9 | 75-125 | 2.16  | 25 |
| Copper   | 43.0 | 0.400  | "         | 39.1 | 8.95   | 87.1 | 75-125 | 0.899 | 25 |
| Lead     | 22.8 | 0.200  | "         | 19.6 | 3.60   | 98.4 | 75-125 | 0.698 | 25 |
| Nickel   | 41.9 | 0.400  | "         | 39.1 | 5.08   | 94.2 | 75-125 | 1.12  | 25 |
| Silver   | 1.95 | 0.0200 | "         | 1.96 | 0.0162 | 99.0 | 75-125 | 1.23  | 25 |
| Zinc     | 53.8 | 0.400  | "         | 39.1 | 17.6   | 92.5 | 75-125 | 0.641 | 25 |
| Selenium | 3.31 | 0.260  | "         | 3.91 | ND     | 84.7 | 75-125 | 0.177 | 25 |

**Post Spike (BHD0832-PS1)**

Source: 2404117-01

Prepared: 04/23/24 Analyzed: 05/01/24

|          |      |  |      |      |        |     |        |  |  |
|----------|------|--|------|------|--------|-----|--------|--|--|
| Arsenic  | 112  |  | ug/l | 100  | 4.79   | 107 | 75-125 |  |  |
| Barium   | 194  |  | "    | 100  | 87.5   | 106 | 75-125 |  |  |
| Cadmium  | 5.67 |  | "    | 5.00 | 0.219  | 109 | 75-125 |  |  |
| Copper   | 127  |  | "    | 100  | 21.0   | 106 | 75-125 |  |  |
| Lead     | 62.9 |  | "    | 50.0 | 8.46   | 109 | 75-125 |  |  |
| Nickel   | 117  |  | "    | 100  | 11.9   | 105 | 75-125 |  |  |
| Silver   | 5.54 |  | "    | 5.00 | 0.0381 | 110 | 75-125 |  |  |
| Zinc     | 151  |  | "    | 100  | 41.4   | 109 | 75-125 |  |  |
| Selenium | 10.4 |  | "    | 10.0 | 0.174  | 102 | 75-125 |  |  |

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 05/15/24 10:45

**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 BHD0598 - 3060A Mod**

**Blank (BHD0598-BLK1)**

Prepared: 04/18/24 Analyzed: 04/19/24

Chromium, Hexavalent ND 0.30 mg/kg wet

**LCS (BHD0598-BS1)**

Prepared: 04/18/24 Analyzed: 04/19/24

Chromium, Hexavalent 24.8 0.30 mg/kg wet 25.0 99.0 80-120

**Duplicate (BHD0598-DUP1)**

**Source: 2404117-01**

Prepared: 04/18/24 Analyzed: 04/19/24

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

**Matrix Spike (BHD0598-MS1)**

**Source: 2404117-01**

Prepared: 04/18/24 Analyzed: 04/19/24

Chromium, Hexavalent 27.1 0.30 mg/kg dry 26.6 ND 102 75-125

**Matrix Spike Dup (BHD0598-MSD1)**

**Source: 2404117-01**

Prepared: 04/18/24 Analyzed: 04/19/24

Chromium, Hexavalent 27.0 0.30 mg/kg dry 26.6 ND 102 75-125 0.197 20

Summit Scientific

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 05/15/24 10:45

**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 BHD0851 - General Preparation**

**Blank (BHD0851-BLK1)**

Prepared: 04/23/24 Analyzed: 05/14/24

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

**LCS (BHD0851-BS1)**

Prepared: 04/23/24 Analyzed: 05/14/24

|           |      |        |          |      |     |        |  |  |  |  |
|-----------|------|--------|----------|------|-----|--------|--|--|--|--|
| Calcium   | 5.05 | 0.0500 | mg/L wet | 5.00 | 101 | 70-130 |  |  |  |  |
| Magnesium | 5.35 | 0.0500 | "        | 5.00 | 107 | 70-130 |  |  |  |  |
| Sodium    | 5.33 | 0.0500 | "        | 5.00 | 107 | 70-130 |  |  |  |  |

Summit Scientific

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 05/15/24 10:45

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

**Summit Scientific**

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

**Batch BHD0447 - General Preparation**

| Duplicate (BHD0447-DUP1) | Source: 2404117-01 | Prepared: 04/15/24 | Analyzed: 04/16/24 |
|--------------------------|--------------------|--------------------|--------------------|
| % Solids                 | 93.0               | %                  | 94.0               |
|                          |                    |                    | 1.13               |
|                          |                    |                    | 20                 |

Summit Scientific

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 05/15/24 10:45

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

**Summit Scientific**

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

**Batch BHD0853 - General Preparation**

**Blank (BHD0853-BLK1)**

Prepared: 04/23/24 Analyzed: 04/25/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

**LCS (BHD0853-BS1)**

Prepared: 04/23/24 Analyzed: 04/25/24

Specific Conductance (EC) 0.156 0.0100 mmhos/cm 0.150 104 95-105

**Duplicate (BHD0853-DUP1)**

Source: 2404117-01

Prepared: 04/23/24 Analyzed: 04/25/24

Specific Conductance (EC) 0.103 0.0100 mmhos/cm 0.103 0.00 20

Summit Scientific

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



Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Noble - Rouse USX A05,-03,04,05,06,19 Tank

Project Number: UWRWE-A3657-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 05/15/24 10:45

**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 BHD0852 - General Preparation**

**LCS (BHD0852-BS1)**

Prepared: 04/23/24 Analyzed: 04/25/24

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

**Duplicate (BHD0852-DUP1)**

Source: 2404117-01

Prepared: 04/23/24 Analyzed: 04/25/24

|    |      |          |      |       |    |
|----|------|----------|------|-------|----|
| pH | 9.03 | pH Units | 9.11 | 0.882 | 20 |
|----|------|----------|------|-------|----|

Summit Scientific

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**Reported:**  
05/15/24 10:45

### Notes and Definitions

|       |   |
|-------|---|
| 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. |
| 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   |