

FREMONT ENVIRONMENTAL INC.

October 14, 2022

Mr. Daniel Peterson
Noble Energy Inc.
2115 117th Avenue
Greeley, CO 80634

Subject: **Groundwater Data Submittal**
UPRC 27-9F Tank Battery
API # 05-123-15377
NESE Sec 27, T4N, R66W
Weld County, Colorado
Fremont Project No. C022-029
Location #327969, Remediation # 18876

Dear Mr. Peterson:

Enclosed please find a copy of the above referenced Site Investigation Report for the UPRC 27-9F tank battery site in Weld County, Colorado. The enclosed report describes site investigation and sampling efforts to assess soil and water quality at the site.

One soil boring was advanced to a maximum depth of 12 feet below ground surface with a geoprobe rig on July 13, 2022. The soil boring was completed as a one-inch, temporary, PVC stick-up monitoring well to further delineate the magnitude and extent of groundwater impacts at the UPRC 27-F tank battery following site decommissioning activities. The soil boring log, boring location and associated soil chemistry data are included in the attached enclosure.

Please contact me at (303) 956-8714 if you require any additional information.

Fremont appreciates the opportunity to provide this service.

Sincerely,
FREMONT ENVIRONMENTAL INC.



Paul V. Henehan, P.E.
Senior Consultant

Enclosure

TABLE 1
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
NOBLE ENERGY INC.
UPRC 27-9F, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C022-025

| Sample | Date Sampled | Depth (ft) | Benzene (mg/kg) | Toluene (mg/kg) | Ethyl-Benzene (mg/kg) | Xylenes (mg/kg) | 1,2,4-Trimethyl-Benzene (mg/kg) | 1,3,5-Trimethyl-Benzene (mg/kg) | Naphthalene (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH ORO (mg/kg) |
|--|--------------|------------|-----------------|-----------------|-----------------------|-----------------|---------------------------------|---------------------------------|---------------------|-----------------|-----------------|-----------------|
| MW-1 8 Ft | 3/30/2022 | 8 | <0.0020 | <0.0020 | 0.0186 | <0.0020 | 0.0384 | <0.0020 | 0.0162 | 7.18 | <25.0 | <100 |
| MW-1 12 Ft | 3/30/2022 | 12 | <0.0020 | <0.0020 | 0.0695 | 0.00828 | 0.061 | <0.0020 | 0.0245 | 18.5 | 53.9 | <100 |
| MW-1 13 Ft | 3/30/2022 | 13 | <0.0020 | <0.0020 | 0.074 | <0.0020 | 0.0442 | <0.0020 | 0.0303 | 70.0 | 40.5 | <100 |
| MW-1 15 Ft | 3/30/2022 | 15 | <0.0020 | <0.0020 | <0.0020 | <0.0020 | <0.0020 | <0.0020 | <0.0038 | <0.200 | <25.0 | <100 |
| SB-2 8 Ft | 3/30/2022 | 8 | <0.0020 | <0.0020 | <0.0020 | <0.0020 | <0.0020 | <0.0020 | <0.0038 | <0.200 | <25.0 | <100 |
| SB-3 4 Ft | 3/30/2022 | 4 | <0.0020 | <0.0020 | 0.0759 | <0.0020 | 3.01 | 2.58 | 0.0514 | 256 | 25.1 | <100 |
| SB-3 6 Ft | 3/30/2022 | 6 | <0.0020 | <0.0020 | <0.0020 | <0.0020 | <0.0020 | <0.0020 | <0.0038 | <0.200 | <25.0 | <100 |
| SB-4 4 Ft | 3/30/2022 | 4 | <0.0020 | <0.0020 | <0.0020 | <0.0020 | <0.0020 | <0.0020 | <0.0038 | <0.200 | <25.0 | <100 |
| SB-5 8 Ft | 3/30/2022 | 8 | <0.0020 | <0.0020 | <0.0020 | <0.0020 | 0.00248 | <0.0020 | <0.0038 | 0.334 | <25.0 | <100 |
| SB-5 12 Ft | 3/30/2022 | 12 | <0.0020 | <0.0020 | 0.0168 | <0.0020 | 0.02 | <0.0020 | 0.012 | 3.73 | <25.0 | <100 |
| SB-6 8 Ft | 3/30/2022 | 8 | <0.0020 | <0.0020 | <0.0020 | <0.0020 | 0.00742 | <0.0020 | 0.00682 | 2.74 | <25.0 | <100 |
| BG-1 3 Ft | 3/30/2022 | 3 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-7 3ft | 07/13/2022 | 3 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.50 | <50 | <50 |
| MW-7 12ft | 07/13/2022 | 12 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.50 | <50 | <50 |
| COGCC Table 915-1 Limits (Residential SSL) | | | 1.2 | 490 | 5.8 | 58 | 30 | 27 | 2 | 500 | 500 | 500 |
| COGCC Table 915-1 Limits (Protection of Groundwater SSL) | | | 0.0026 | 0.69 | 0.78 | 9.9 | 0.0081 | 0.0087 | 0.0038 | 500* | 500* | 500* |

Bold faced values exceed the COGCC Table 915-1 concentrations

Blue highlighted 915-1 Limits indicate the referenced soil screening level (SSL)

* Summation of GRO+DRO+ORO must be less than 500 mg/kg

NA - Not analyzed

TABLE 2
SUMMARY OF ORGANIC GROUNDWATER CHEMISTRY DATA
NOBLE ENERGY INC.
UPRC 27-9F, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C022-025

| SAMPLE LOCATION | DATE | BENZENE (µg/L) | TOLUENE (µg/L) | ETHYL BENZENE (µg/L) | TOTAL XYLENES (µg/L) | NAPH-THALENE (µg/L) | 1,2,4 TMB (µg/L) | 1,3,5 TMB (µg/L) | TOC ELEVATION (feet) | DEPTH TO GROUND WATER (ft) | GROUND WATER ELEVATION (ft) | FREE PRODUCT THICKNESS (ft) |
|--------------------|----------|----------------|----------------|----------------------|----------------------|---------------------|------------------|------------------|----------------------|----------------------------|-----------------------------|-----------------------------|
| MW-1 | 03/30/22 | 17.0 | <1.0 | 1.44 | 11.0 | <2.0 | <2.0 | 20.7 | 99.47 | NA | NA | NA |
| | 07/28/22 | 46 | <1.0 | 34 | 38 | 11 | 28 | 12 | | 6.91 | 92.56 | NP |
| MW-3 | 07/28/22 | 56 | <1.0 | 150 | 11000 | 27 | 990 | 700 | 99.81 | 7.20 | 92.61 | NP |
| MW-5 | 07/28/22 | <1.0 | <1.0 | <1.0 | 20 | <1.0 | 2.0 | 5.2 | 99.98 | 7.60 | 92.38 | NP |
| MW-6 | 07/28/22 | 2.1 | <1.0 | <1.0 | 69 | 1.5 | 25 | 34 | 100.00 | 7.54 | 92.46 | NP |
| MW-7 | 07/28/22 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 100.72 | 7.91 | 92.81 | NP |
| MW-301015 | 07/28/22 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 95.71 | 3.09 | 92.62 | NP |
| Table 915-1 Limits | | 5 | 560 | 700 | 1,400 | 140 | 67 | 67 | | | | |

Bold face values exceed the COGCC limits

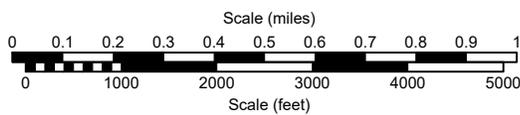
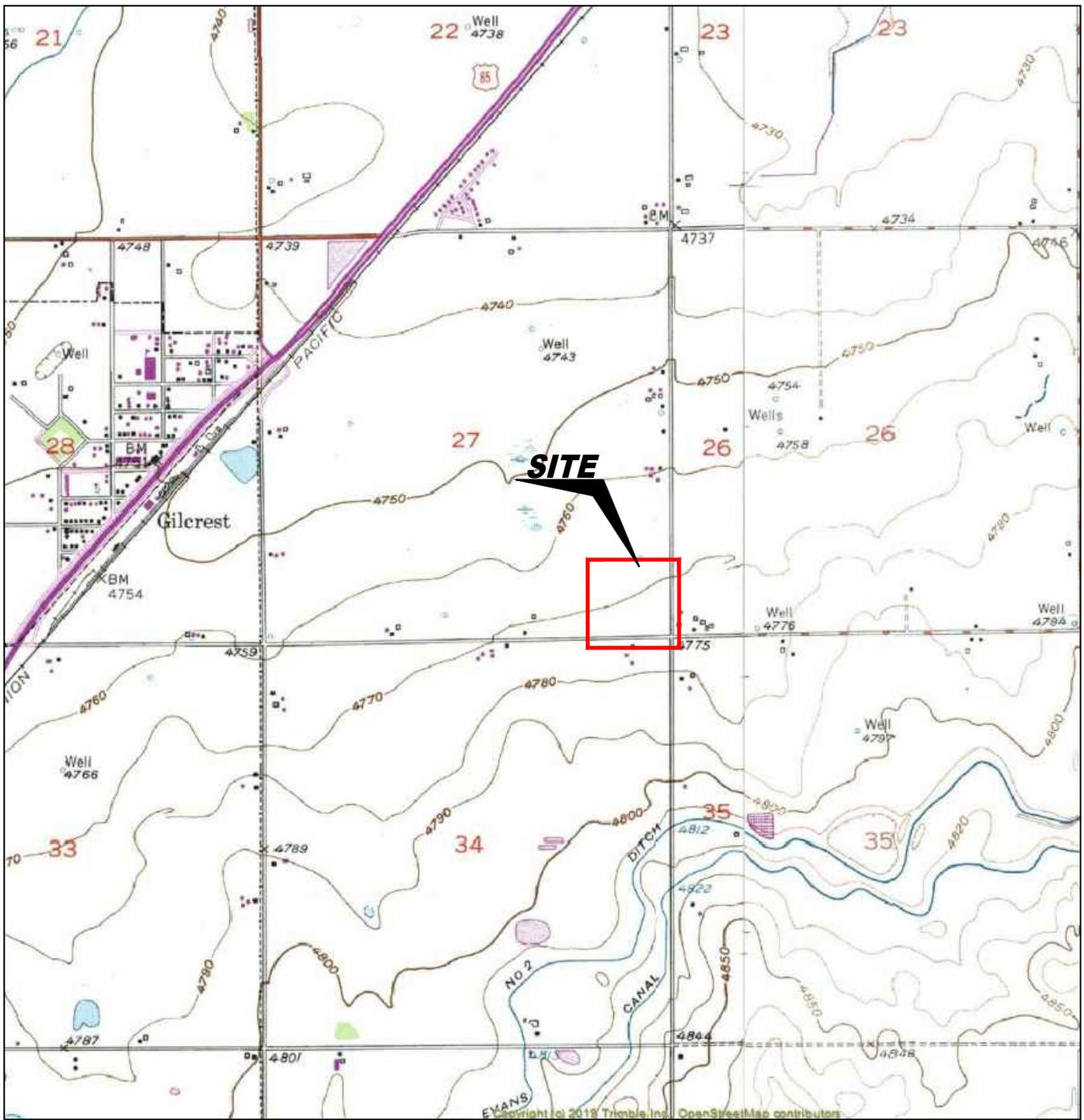
TABLE 3
SUMMARY OF INORGANIC GROUNDWATER CHEMISTRY DATA
NOBLE ENERGY INC.
UPRC 27-9F, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C022-025

| SAMPLE LOCATION | DATE | TDS (mg/L) | CHLORIDE ION (mg/L) | SULFATE ION (mg/L) |
|------------------------|-------------|--------------------------|----------------------------|---------------------------|
| MW-1 | 07/28/22 | 1050 | 176 | 193 |
| MW-3 | 07/28/22 | 930 | 162 | 64.2 |
| MW-5 | 07/28/22 | 1370 | 204 | 59.2 |
| MW-6 | 07/28/22 | 1040 | 215 | 203 |
| MW-7 | 07/28/22 | 945 | 212 | 196 |
| MW-301015 | 07/28/22 | 927 | 194 | 219 |
| Table 915-1 Limits | | <1.25 x local background | 250 | 250 |

Bold face values exceed the COGCC limits

NA - Not Analyzed

NAP - Not Applicable



USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)

Figure 1
SITE LOCATION MAP

Noble Energy, Inc. ~ UPRC #27 - 9F
 NESE Sec. 27, T4N, R66W, 6th PM
 Weld County, Colorado
 40.278319°, -104.754134°

| | | |
|------------------------------|-------------------------------|-----------------------------|
| Project # C022-025 | API # 05-123-15377 | Facility # 481568 |
| Date 9/14/22 | Remediation # 18876 | Filename 22025T |





LEGEND

- SOIL BORING LOCATION
- ABOVE GROUND STORAGE TANK
- ⊕ MONITORING WELL
- ⊕ NON-FREMONT MONITORING WELL
- FORMER FACILITY
- CONTAINMENT BERM

**Figure 2
SITE MAP**

Noble Energy, Inc. ~ UPRC #27 - 9F
 NESE Sec. 27, T4N, R66W, 6th PM
 Weld County, Colorado
 40.278319°, -104.754134°

| | | |
|--------------------------------|-------------------------------|-----------------------------|
| Project No. C022-025 | API # 05-123-15377 | Facility # 327969 |
| Date 9/14/22 | Remediation # 18876 | Filename 22025T |





LEGEND

- SOIL BORING LOCATION
- ABOVE GROUND STORAGE TANK
- FORMER FACILITY
- ⋯ CONTAINMENT BERM
- ⊕ MONITORING WELL
- ⊕ (with orange dot) NON-FREMONT MONITORING WELL

- (92.56) GROUND WATER ELEVATION (ft above arbitrary datum)
- 92.50 WATER TABLE CONTOUR
- ← GROUND WATER FLOW DIRECTION

Figure 3

INFERRED GROUNDWATER CONTOUR MAP

July 28, 2022

Noble Energy, Inc. ~ UPRC #27 - 9F

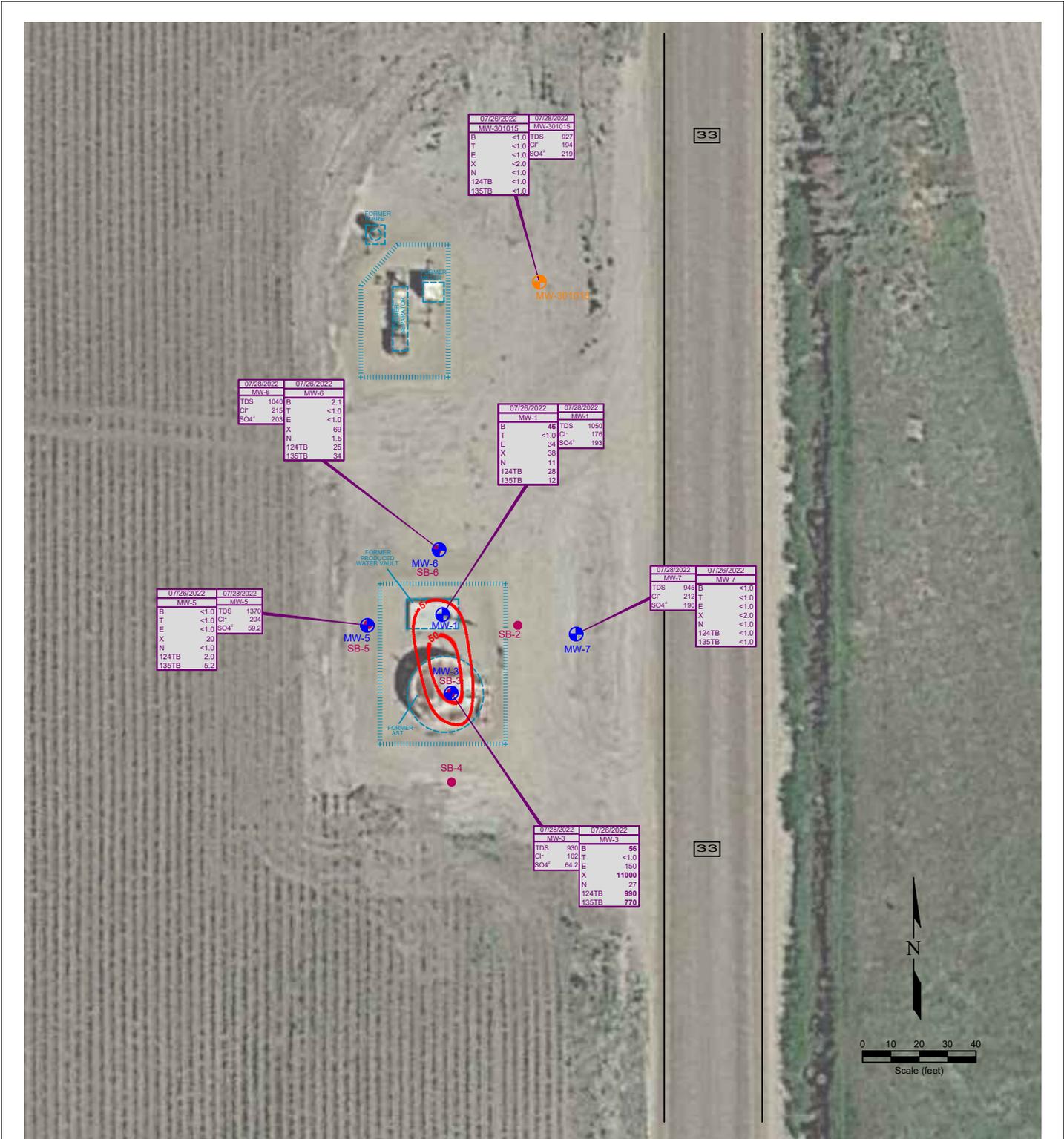
NESE Sec. 27, T4N, R66W, 6th PM

Weld County, Colorado

40.278319°, -104.754134°

| | | |
|--------------------------------|-------------------------------|-----------------------------|
| Project No. C022-025 | API # 05-123-15377 | Facility # 327969 |
| Date 9/14/22 | Remediation # 18876 | Filename 22025T |





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LEGEND

- SOIL BORING LOCATION
- ABOVE GROUND STORAGE TANK
- ⊕ MONITORING WELL
- ⊕ NON-FREONT MONITORING WELL
- FORMER FACILITY
- CONTAINMENT BERM

| DATE SAMPLED | SAMPLE ID | BENZENE (ug/L) | TOLUENE (ug/L) | ETHYLBENZENE (ug/L) | TOTAL XYLENES (ug/L) | 1,4-NAPHTHALENE (ug/L) | 1,2,4-TRIMETHYLBENZENE (ug/L) | 1,3,5-TRIMETHYLBENZENE (ug/L) |
|--------------|-----------|----------------|----------------|---------------------|----------------------|------------------------|-------------------------------|-------------------------------|
| 07/28/2022 | MW-1 | 45 | <1.0 | 34 | 38 | 11 | 28 | 12 |

| DATE SAMPLED | SAMPLE ID | TOTAL DISSOLVED SOLIDS (mg/L) | CHLORIDE ION (mg/L) | SULFATE ION (mg/L) | BENZENE ISOCONCENTRATION (ug/L) |
|--------------|-----------|-------------------------------|---------------------|--------------------|---------------------------------|
| 07/28/2022 | MW-3 | 1050 | 176 | 193 | Dashed where inferred |

Figure 4

GROUNDWATER CHEMISTRY MAP
July 28, 2022
Noble Energy, Inc. ~ UPRC #27 - 9F
NESE Sec. 27, T4N, R66W, 6th PM
Weld County, Colorado
40.278319°, -104.754134°

| | | |
|--------------------------------|-------------------------------|-----------------------------|
| Project No. C022-025 | API # 05-123-15377 | Facility # 327969 |
| Date 9/14/22 | Remediation # 18876 | Filename 22025T |





LEGEND

- SOIL BORING LOCATION
- ABOVE GROUND STORAGE TANK
- ⊕ MONITORING WELL
- ⊕ NON-FREMONT MONITORING WELL
- FORMER FACILITY
- CONTAINMENT BERM

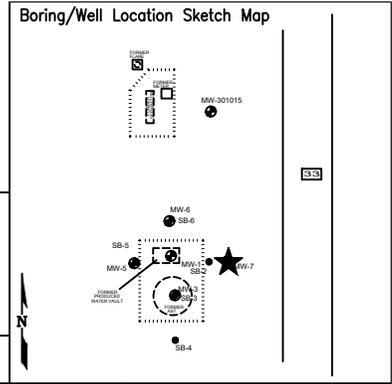
| DATE SAMPLED | SAMPLE ID and DEPTH (ft) |
|--------------|--------------------------------|
| 07/13/2022 | MW-7 (3') |
| B | BENZENE (mg/kg) |
| T | TOLUENE (mg/kg) |
| E | ETHYLBENZENE (mg/kg) |
| X | TOTAL XYLENES (mg/kg) |
| 1,2,4-TB | 1,2,4-TRIMETHYLBENZENE (mg/kg) |
| 1,3,5-TB | 1,3,5-TRIMETHYLBENZENE (mg/kg) |
| N | NAPHTHALENE (mg/kg) |
| G | TPH-GRO (mg/kg) |
| D | TPH-DRO (mg/kg) |
| O | TPH-ORO (mg/kg) |

Figure 5
SOIL CHEMISTRY MAP
 July 13, 2022
 Noble Energy, Inc. ~ UPRC #27 - 9F
 NESE Sec. 27, T4N, R66W, 6th PM
 Weld County, Colorado
 40.278319°, -104.754134°

| | | | |
|--------------------------------|-------------------------------|-----------------------------|--|
| Project No. C022-025 | API # 05-123-15377 | Facility # 327969 | |
| Date 9/14/22 | Remediation # 18876 | Filename 22025T | |



BORING/WELL CONSTRUCTION LOG



Page 1 of 1

| | | | | | | |
|--|---|---|--|--|--|--|
| Boring/Well No. MW-7 | | Total Depth 12' | Location Noble Energy, Inc. UPRC 27-9F NESE SEC. 27, T4N, R66W, 6th PM Weld County, Colorado | | | |
| Project No./Name C022-025 / Noble ~ UPRC 27-9F | | Drilling Contractor/Driller Drill Pro | | | | |
| Geologist/Office Ethan Black / Fremont Environmental, Inc. | | Approved By | | | | |
| Drilling Equipment/Method Geoprobe / Direct Push | | Size/Type of Bit 2.5" direct push | Sampling Method direct push | Start/Finish Date 07/13/2022 | | |
| Well Installed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Casing Mtrl./Dia. SCH 40 PVC 1" | Screen: Type Slotted Mtrl. PVC | Length 10' | Dia. 1" | Slot Size 0.010" | |
| Elevation of: (ft. above datum) | Ground Surface 100.72 | Top of Well Casing - | Top of Screen - | Bottom of Screen - | Ground Water Surface/Date Measured 0.75 07/13/2022 | |

| DEPTH (feet) | WELL CONSTRUCTION | | LITHOLOGY | | Penetration Rate (blows/6") | Recovery (%) | Sample Interval (feet) | PID Values (ppm) |
|-----------------|--------------------------|-----------|----------------|---|-----------------------------------|-----------------|------------------------------|------------------------|
| | | | GRAPHIC LOG | VISUAL DESCRIPTION | | | | |
| | Bentonite | 1" Blank | SP | Road base 6" Sand: dark brown, moist, wet | | | | 0.0 |
| | #10-20 Silica Sand | 1" Screen | CS | Sandy Clay: brown, saturated, plastic, wet | | | | 0.0 |
| 5 | | | CL | Clay: brown and gray, slightly plastic, moist, oxidized | | | | 0.0 |
| 10 | | | | | | | | 0.0 |
| 15 | | | | | | | | 0.0 |
| 20 | | | | | | | | 0.0 |
| | | | | TD 12' | | | | 0.0 |

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

July 25, 2022

Paul Henchan
Fremont Environmental
PO Box 1289
Wellington, CO 80549
RE: Noble - UPRC 27-9F
Work Order #2207247

Enclosed are the results of analyses for samples received by Summit Scientific on 07/18/22 16:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', written in a cursive style.

Paul Shrewsbury
President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPRC 27-9F

Project Number: [none]
Project Manager: Paul Henchan

Reported:
07/25/22 11:06

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| MW-7 3ft | 2207247-01 | Soil | 07/13/22 00:00 | 07/18/22 16:00 |
| MW-7 12ft | 2207247-02 | Soil | 07/13/22 00:00 | 07/18/22 16:00 |

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.

Summit Scientific

2207247

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310

Page 1 of 1

Client: Fremont Environmental Project Manager: Henahan
 Address: _____ E-Mail: fremont env dist list (jeffg, paulh, ethanb)
 City/State/Zip: _____ Bill To: Noble
 Phone: _____ Project Name: Noble - UPRC 27-9F
 Sampler Name: Black Project Number: _____

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | | | Analysis Requested | | | | | | Special Instructions | | |
|----|--------------------|--------------|--------------|-----------------|--------------|------|--------------|-------|--------|--------------|----------------|-------|--------------------|--------------|--------------|--------------|-----------|-------|----------------------|--------------|--|
| | | | | | HCl | HNO3 | None | Other | Water | Soil | Air-Canister # | Other | VOCs (Q15) | TPH (Q15) | PAHs (Q15) | TDS/Cl/SO4 | SAR/EC/PH | BORON | | METALS (Q15) | |
| 1 | MW-7 3FT | 7/13/22 | | 2 | | | X | | | X | | | | X | X | X | | | | | |
| 2 | MW-7 12FT | 1 | | 2 | | | X | | | X | | | | X | X | X | | | | | |
| 3 | MW-9 | | | 1 | | | X | | | X | | | | X | X | X | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | |

| | | | | | |
|--------------------------------------|---------------------------------|---------------------------------|--------------------------------|---|--------|
| Relinquished by: <u>G. Black</u> | Date/Time: <u>7/15/22</u> | Received by: <u>[Signature]</u> | Date/Time: <u>7/19/22 1600</u> | Turn Around Time (Check) Same Day <input type="checkbox"/> 24 hours <input type="checkbox"/> 48 hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> | Notes: |
| Relinquished by: _____ | Date/Time: _____ | Received by: _____ | Date/Time: _____ | | |
| Temperature Upon Receipt: <u>9.1</u> | Corrected Temperature: <u>9</u> | HNO3 lot # _____ | | Sample Integrity: Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No | |
| IR gun correction: <u>0</u> | IR gun #: <u>1</u> | | | | |

S₂

2207247

S2 Work Order# _____

Sample Receipt Checklist

Client: Fremont Client Project ID: Noble-UPRC 27-9F

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

| | | | | |
|--|---|--|--|--|
| | - | | | |
|--|---|--|--|--|

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

Temp (°C) 9.1 Thermometer # 1

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

D. Taylor
Custodian Printed Name

7/18/22
Date/Time



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPRC 27-9F

Project Number: [none]
Project Manager: Paul Henchan

Reported:
07/25/22 11:06

MW-7 3ft
2207247-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/13/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | ND | 0.0020 | | mg/kg | 1 | BFG0355 | 07/20/22 | 07/21/22 | 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: **07/13/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0421 | 105 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0566 | 141 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.0472 | 118 % | | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/13/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| C10-C28 (DRO) | ND | 50 | | mg/kg | 1 | BFG0357 | 07/20/22 | 07/20/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | | " | " | " | " | " | " | |

Date Sampled: **07/13/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: o-Terphenyl | 14.1 | 113 % | | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPRC 27-9F

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 07/25/22 11:06

MW-7 3ft
2207247-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **07/13/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BFG0327 | 07/19/22 | 07/23/22 | 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: **07/13/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0294 | 88.3 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0381 | 114 % | 40-150 | | " | " | " | " | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPRC 27-9F

Project Number: [none]
Project Manager: Paul Henchan

Reported:
07/25/22 11:06

MW-7 12ft
2207247-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/13/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | ND | 0.0020 | | mg/kg | 1 | BFG0355 | 07/20/22 | 07/21/22 | 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: **07/13/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0408 | 102 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0557 | 139 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.0462 | 115 % | | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/13/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| C10-C28 (DRO) | ND | 50 | | mg/kg | 1 | BFG0357 | 07/20/22 | 07/20/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | | " | " | " | " | " | " | |

Date Sampled: **07/13/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: o-Terphenyl | 13.3 | 106 % | | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPRC 27-9F

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 07/25/22 11:06

MW-7 12ft
2207247-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **07/13/22 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------|-------|----------|---------|----------|----------|---------------|-------|
| | | Limit | Units | | | | | | |
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BFG0327 | 07/19/22 | 07/23/22 | 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: **07/13/22 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | Units | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0329 | 98.8 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0345 | 103 % | 40-150 | | " | " | " | " | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPRC 27-9F

Project Number: [none]
Project Manager: Paul Henchan

Reported:
07/25/22 11:06

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BFG0355 - EPA 5030 Soil MS

Blank (BFG0355-BLK1)

Prepared: 07/20/22 Analyzed: 07/23/22

| | | | | | | | | | | | |
|---|--------|--------|-------|--------|--|------|--------|--|--|--|--|
| Benzene | ND | 0.0020 | mg/kg | | | | | | | | |
| Toluene | ND | 0.0050 | " | | | | | | | | |
| Ethylbenzene | ND | 0.0050 | " | | | | | | | | |
| Xylenes (total) | ND | 0.010 | " | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | | | | | | | | |
| Naphthalene | ND | 0.0038 | " | | | | | | | | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | | | | | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 0.0377 | | " | 0.0400 | | 94.3 | 50-150 | | | | |
| <i>Surrogate: Toluene-d8</i> | 0.0388 | | " | 0.0400 | | 96.9 | 50-150 | | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 0.0400 | | " | 0.0400 | | 99.9 | 50-150 | | | | |

LCS (BFG0355-BS1)

Prepared: 07/20/22 Analyzed: 07/23/22

| | | | | | | | | | | | |
|---|--------|--------|-------|--------|--|------|--------|--|--|--|--|
| Benzene | 0.0711 | 0.0020 | mg/kg | 0.100 | | 71.1 | 70-130 | | | | |
| Toluene | 0.0744 | 0.0050 | " | 0.100 | | 74.4 | 70-130 | | | | |
| Ethylbenzene | 0.0772 | 0.0050 | " | 0.100 | | 77.2 | 70-130 | | | | |
| m,p-Xylene | 0.153 | 0.010 | " | 0.200 | | 76.5 | 70-130 | | | | |
| o-Xylene | 0.0750 | 0.0050 | " | 0.100 | | 75.0 | 70-130 | | | | |
| 1,2,4-Trimethylbenzene | 0.0821 | 0.0050 | " | 0.100 | | 82.1 | 70-130 | | | | |
| 1,3,5-Trimethylbenzene | 0.0812 | 0.0050 | " | 0.100 | | 81.2 | 70-130 | | | | |
| Naphthalene | 0.0957 | 0.0038 | " | 0.100 | | 95.7 | 70-130 | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 0.0332 | | " | 0.0400 | | 83.1 | 50-150 | | | | |
| <i>Surrogate: Toluene-d8</i> | 0.0394 | | " | 0.0400 | | 98.6 | 50-150 | | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 0.0400 | | " | 0.0400 | | 99.9 | 50-150 | | | | |

Matrix Spike (BFG0355-MS1)

Source: 2207243-01

Prepared: 07/20/22 Analyzed: 07/23/22

| | | | | | | | | | | | |
|---|--------|--------|-------|--------|----|------|--------|--|--|--|--|
| Benzene | 0.0776 | 0.0020 | mg/kg | 0.100 | ND | 77.6 | 70-130 | | | | |
| Toluene | 0.0723 | 0.0050 | " | 0.100 | ND | 72.3 | 70-130 | | | | |
| Ethylbenzene | 0.0785 | 0.0050 | " | 0.100 | ND | 78.5 | 70-130 | | | | |
| m,p-Xylene | 0.158 | 0.010 | " | 0.200 | ND | 78.9 | 70-130 | | | | |
| o-Xylene | 0.0746 | 0.0050 | " | 0.100 | ND | 74.6 | 70-130 | | | | |
| 1,2,4-Trimethylbenzene | 0.0835 | 0.0050 | " | 0.100 | ND | 83.5 | 70-130 | | | | |
| 1,3,5-Trimethylbenzene | 0.0829 | 0.0050 | " | 0.100 | ND | 82.9 | 70-130 | | | | |
| Naphthalene | 0.111 | 0.0038 | " | 0.100 | ND | 111 | 70-130 | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 0.0319 | | " | 0.0400 | | 79.8 | 50-150 | | | | |
| <i>Surrogate: Toluene-d8</i> | 0.0395 | | " | 0.0400 | | 98.8 | 50-150 | | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 0.0381 | | " | 0.0400 | | 95.2 | 50-150 | | | | |

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPRC 27-9F

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 07/25/22 11:06

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 BFG0355 - EPA 5030 Soil MS

| Matrix Spike Dup (BFG0355-MSD1) | Source: 2207243-01 | | | Prepared: 07/20/22 Analyzed: 07/23/22 | | | | | | |
|----------------------------------|--------------------|--------|-------|---------------------------------------|----|------|--------|-------|----|--|
| Benzene | 0.0774 | 0.0020 | mg/kg | 0.100 | ND | 77.4 | 70-130 | 0.271 | 30 | |
| Toluene | 0.0731 | 0.0050 | " | 0.100 | ND | 73.1 | 70-130 | 1.07 | 30 | |
| Ethylbenzene | 0.0779 | 0.0050 | " | 0.100 | ND | 77.9 | 70-130 | 0.805 | 30 | |
| m,p-Xylene | 0.156 | 0.010 | " | 0.200 | ND | 78.0 | 70-130 | 1.09 | 30 | |
| o-Xylene | 0.0750 | 0.0050 | " | 0.100 | ND | 75.0 | 70-130 | 0.602 | 30 | |
| 1,2,4-Trimethylbenzene | 0.0846 | 0.0050 | " | 0.100 | ND | 84.6 | 70-130 | 1.25 | 30 | |
| 1,3,5-Trimethylbenzene | 0.0826 | 0.0050 | " | 0.100 | ND | 82.6 | 70-130 | 0.326 | 30 | |
| Naphthalene | 0.123 | 0.0038 | " | 0.100 | ND | 123 | 70-130 | 10.4 | 30 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0339 | | " | 0.0400 | | 84.8 | 50-150 | | | |
| Surrogate: Toluene-d8 | 0.0392 | | " | 0.0400 | | 97.9 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0381 | | " | 0.0400 | | 95.2 | 50-150 | | | |

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPRC 27-9F

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 07/25/22 11:06

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BFG0357 - EPA 3550A

Blank (BFG0357-BLK1)

Prepared & Analyzed: 07/20/22

| | | | | | | | | | | |
|---------------|----|----|-------|--|--|--|--|--|--|--|
| C10-C28 (DRO) | ND | 50 | mg/kg | | | | | | | |
| C28-C36 (ORO) | ND | 50 | " | | | | | | | |

LCS (BFG0357-BS1)

Prepared & Analyzed: 07/20/22

| | | | | | | | | | | |
|---------------|-----|----|-------|-----|------|--------|--|--|--|--|
| C10-C28 (DRO) | 450 | 50 | mg/kg | 500 | 90.1 | 70-130 | | | | |
|---------------|-----|----|-------|-----|------|--------|--|--|--|--|

Matrix Spike (BFG0357-MS1)

Source: 2207243-01

Prepared & Analyzed: 07/20/22

| | | | | | | | | | | |
|---------------|-----|----|-------|-----|------|------|--------|--|--|--|
| C10-C28 (DRO) | 421 | 50 | mg/kg | 500 | 9.07 | 82.3 | 70-130 | | | |
|---------------|-----|----|-------|-----|------|------|--------|--|--|--|

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 - UPRC 27-9F

Project Number: [none]
Project Manager: Paul Henchan

Reported:
07/25/22 11:06

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BFG0327 - EPA 5030 Soil MS

Blank (BFG0327-BLK1)

Prepared: 07/19/22 Analyzed: 07/22/22

| | | | | | | | | | | | |
|---|--------|---------|-------|--------|------|--------|--|--|--|--|--|
| Acenaphthene | ND | 0.00500 | mg/kg | | | | | | | | |
| Anthracene | ND | 0.00500 | " | | | | | | | | |
| Benzo (a) anthracene | ND | 0.00500 | " | | | | | | | | |
| Benzo (a) pyrene | ND | 0.00500 | " | | | | | | | | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | | | | | | | | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | | | | | | | | |
| Chrysene | ND | 0.00500 | " | | | | | | | | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | | | | | | | | |
| Fluoranthene | ND | 0.00500 | " | | | | | | | | |
| Fluorene | ND | 0.00500 | " | | | | | | | | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | | | | | | | | |
| Pyrene | ND | 0.00500 | " | | | | | | | | |
| 1-Methylnaphthalene | ND | 0.00500 | " | | | | | | | | |
| 2-Methylnaphthalene | ND | 0.00500 | " | | | | | | | | |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | 0.0378 | | " | 0.0333 | 113 | 40-150 | | | | | |
| <i>Surrogate: Fluoranthene-d10</i> | 0.0275 | | " | 0.0333 | 82.6 | 40-150 | | | | | |

LCS (BFG0327-BS1)

Prepared: 07/19/22 Analyzed: 07/22/22

| | | | | | | | | | | | |
|---|--------|---------|-------|--------|------|--------|--|--|--|--|--|
| Acenaphthene | 0.0355 | 0.00500 | mg/kg | 0.0333 | 107 | 31-137 | | | | | |
| Anthracene | 0.0370 | 0.00500 | " | 0.0333 | 111 | 30-120 | | | | | |
| Benzo (a) anthracene | 0.0373 | 0.00500 | " | 0.0333 | 112 | 30-120 | | | | | |
| Benzo (a) pyrene | 0.0397 | 0.00500 | " | 0.0333 | 119 | 30-120 | | | | | |
| Benzo (b) fluoranthene | 0.0359 | 0.00500 | " | 0.0333 | 108 | 30-120 | | | | | |
| Benzo (k) fluoranthene | 0.0381 | 0.00500 | " | 0.0333 | 114 | 30-120 | | | | | |
| Chrysene | 0.0364 | 0.00500 | " | 0.0333 | 109 | 30-120 | | | | | |
| Dibenz (a,h) anthracene | 0.0344 | 0.00500 | " | 0.0333 | 103 | 30-120 | | | | | |
| Fluoranthene | 0.0358 | 0.00500 | " | 0.0333 | 107 | 30-120 | | | | | |
| Fluorene | 0.0324 | 0.00500 | " | 0.0333 | 97.1 | 30-120 | | | | | |
| Indeno (1,2,3-cd) pyrene | 0.0368 | 0.00500 | " | 0.0333 | 110 | 30-120 | | | | | |
| Pyrene | 0.0321 | 0.00500 | " | 0.0333 | 96.2 | 35-142 | | | | | |
| 1-Methylnaphthalene | 0.0385 | 0.00500 | " | 0.0333 | 115 | 35-142 | | | | | |
| 2-Methylnaphthalene | 0.0359 | 0.00500 | " | 0.0333 | 108 | 35-142 | | | | | |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | 0.0353 | | " | 0.0333 | 106 | 40-150 | | | | | |
| <i>Surrogate: Fluoranthene-d10</i> | 0.0307 | | " | 0.0333 | 92.2 | 40-150 | | | | | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPRC 27-9F

Project Number: [none]
Project Manager: Paul Henchan

Reported:
07/25/22 11:06

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 BFG0327 - EPA 5030 Soil MS

| Matrix Spike (BFG0327-MS1) | Source: 2207239-01 | | | Prepared: 07/19/22 Analyzed: 07/22/22 | | | | | | |
|---|---------------------------|---------|----------|--|----|-------------|---------------|--|--|--|
| Acenaphthene | 0.0248 | 0.00500 | mg/kg | 0.0333 | ND | 74.4 | 31-137 | | | |
| Anthracene | 0.0365 | 0.00500 | " | 0.0333 | ND | 110 | 30-120 | | | |
| Benzo (a) anthracene | 0.0299 | 0.00500 | " | 0.0333 | ND | 89.6 | 30-120 | | | |
| Benzo (a) pyrene | 0.0295 | 0.00500 | " | 0.0333 | ND | 88.5 | 30-120 | | | |
| Benzo (b) fluoranthene | 0.0293 | 0.00500 | " | 0.0333 | ND | 88.0 | 30-120 | | | |
| Benzo (k) fluoranthene | 0.0339 | 0.00500 | " | 0.0333 | ND | 102 | 30-120 | | | |
| Chrysene | 0.0333 | 0.00500 | " | 0.0333 | ND | 99.9 | 30-120 | | | |
| Dibenz (a,h) anthracene | 0.0299 | 0.00500 | " | 0.0333 | ND | 89.8 | 30-120 | | | |
| Fluoranthene | 0.0399 | 0.00500 | " | 0.0333 | ND | 120 | 30-120 | | | |
| Fluorene | 0.0237 | 0.00500 | " | 0.0333 | ND | 71.0 | 30-120 | | | |
| Indeno (1,2,3-cd) pyrene | 0.0272 | 0.00500 | " | 0.0333 | ND | 81.7 | 30-120 | | | |
| Pyrene | 0.0362 | 0.00500 | " | 0.0333 | ND | 109 | 35-142 | | | |
| 1-Methylnaphthalene | 0.0305 | 0.00500 | " | 0.0333 | ND | 91.4 | 15-130 | | | |
| 2-Methylnaphthalene | 0.0250 | 0.00500 | " | 0.0333 | ND | 74.8 | 15-130 | | | |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0260</i> | | <i>"</i> | <i>0.0333</i> | | <i>78.1</i> | <i>40-150</i> | | | |
| <i>Surrogate: Fluoranthene-d10</i> | <i>0.0360</i> | | <i>"</i> | <i>0.0333</i> | | <i>108</i> | <i>40-150</i> | | | |

| Matrix Spike Dup (BFG0327-MSD1) | Source: 2207239-01 | | | Prepared: 07/19/22 Analyzed: 07/22/22 | | | | | | |
|---|---------------------------|---------|----------|--|----|-------------|---------------|------|----|--|
| Acenaphthene | 0.0228 | 0.00500 | mg/kg | 0.0333 | ND | 68.5 | 31-137 | 8.26 | 30 | |
| Anthracene | 0.0312 | 0.00500 | " | 0.0333 | ND | 93.7 | 30-120 | 15.6 | 30 | |
| Benzo (a) anthracene | 0.0267 | 0.00500 | " | 0.0333 | ND | 80.1 | 30-120 | 11.1 | 30 | |
| Benzo (a) pyrene | 0.0272 | 0.00500 | " | 0.0333 | ND | 81.7 | 30-120 | 7.92 | 30 | |
| Benzo (b) fluoranthene | 0.0264 | 0.00500 | " | 0.0333 | ND | 79.2 | 30-120 | 10.5 | 30 | |
| Benzo (k) fluoranthene | 0.0307 | 0.00500 | " | 0.0333 | ND | 92.1 | 30-120 | 9.94 | 30 | |
| Chrysene | 0.0305 | 0.00500 | " | 0.0333 | ND | 91.6 | 30-120 | 8.71 | 30 | |
| Dibenz (a,h) anthracene | 0.0264 | 0.00500 | " | 0.0333 | ND | 79.3 | 30-120 | 12.4 | 30 | |
| Fluoranthene | 0.0317 | 0.00500 | " | 0.0333 | ND | 95.2 | 30-120 | 22.9 | 30 | |
| Fluorene | 0.0227 | 0.00500 | " | 0.0333 | ND | 68.2 | 30-120 | 3.96 | 30 | |
| Indeno (1,2,3-cd) pyrene | 0.0247 | 0.00500 | " | 0.0333 | ND | 74.2 | 30-120 | 9.61 | 30 | |
| Pyrene | 0.0366 | 0.00500 | " | 0.0333 | ND | 110 | 35-142 | 1.00 | 30 | |
| 1-Methylnaphthalene | 0.0278 | 0.00500 | " | 0.0333 | ND | 83.3 | 15-130 | 9.34 | 50 | |
| 2-Methylnaphthalene | 0.0227 | 0.00500 | " | 0.0333 | ND | 68.0 | 15-130 | 9.66 | 50 | |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0233</i> | | <i>"</i> | <i>0.0333</i> | | <i>70.0</i> | <i>40-150</i> | | | |
| <i>Surrogate: Fluoranthene-d10</i> | <i>0.0295</i> | | <i>"</i> | <i>0.0333</i> | | <i>88.6</i> | <i>40-150</i> | | | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPRC 27-9F

Project Number: [none]
Project Manager: Paul Henchan

Reported:
07/25/22 11:06

Notes and Definitions

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

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

August 08, 2022

Paul Henchan
Fremont Environmental
PO Box 1289
Wellington, CO 80549
RE: Noble - UPRC 27-9F
Work Order #2207410

Enclosed are the results of analyses for samples received by Summit Scientific on 07/28/22 16:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Mikayla Axtell For Paul Shrewsbury
President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPRC 27-9F

Project Number: [none]
Project Manager: Paul Henchan

Reported:
08/08/22 08:43

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| MW-1 | 2207410-01 | Water | 07/28/22 00:00 | 07/28/22 16:00 |
| MW-3 | 2207410-03 | Water | 07/28/22 00:00 | 07/28/22 16:00 |
| MW-5 | 2207410-05 | Water | 07/28/22 00:00 | 07/28/22 16:00 |
| MW-6 | 2207410-06 | Water | 07/28/22 00:00 | 07/28/22 16:00 |
| MW-7 | 2207410-07 | Water | 07/28/22 00:00 | 07/28/22 16:00 |
| MW-301015 | 2207410-08 | Water | 07/28/22 00:00 | 07/28/22 16:00 |

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.

Summit Scientific

2207410

S₂

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310

Page 1 of 1

Client: Fremont Env. Inc. Project Manager: Honehan
 Address: _____ E-Mail: Fremont Dist. List
 City/State/Zip: _____ Bill To: Noble
 Phone: _____ Project Name: Noble - UPRC 27-9F
 Sampler Name: Black Project Number: _____

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | | Analysis Requested | | | | | | Special Instructions | |
|----|--------------------|--------------|--------------|-----------------|--------------|------------------|------|-------|--------|------|----------------|--------------------|---|---|--|--|--|----------------------|--|
| | | | | | HCl | HNO ₃ | None | Other | Water | Soil | Air-Canister # | Other | | | | | | | |
| 1 | MW-1 | 7/28/22 | | 4 | | X | | | X | | | | X | X | | | | | |
| 2 | MW-2 | I | | I | | I | | | I | | | | I | I | | | | | |
| 3 | MW-3 | | | | | | | | | | | | | | | | | | |
| 4 | MW-4 | | | | | | | | | | | | | | | | | | |
| 5 | MW-5 | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |

| | | | | | |
|--------------------------------------|---------------------------------|---------------------------------|---|-------------------------------|--|
| Relinquished by: <u>John Black</u> | Date/Time: <u>7/28/22</u> | Received by: <u>[Signature]</u> | Date/Time: <u>7/28/22 1600</u> | Turn Around Time (Check) | Notes: |
| Relinquished by: _____ | Date/Time: _____ | Received by: _____ | Date/Time: _____ | Same Day _____ 72 hours _____ | Standard <input checked="" type="checkbox"/> |
| Temperature Upon Receipt: <u>8.0</u> | Corrected Temperature: <u>0</u> | HNO ₃ lot # _____ | Sample Integrity: Samples Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 24 hours _____ 48 hours _____ | |
| IR gun correction: <u>0</u> | IR gun #: <u>1</u> | | | | |

S₂

Sample Receipt Checklist

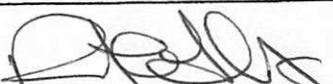
S2 Work Order# 2207410Client: Fremont Client Project ID: Noble-URC 27-9FShipped Via: H.D./P.U./FedEx/UPS/USPS/Other Airbill #: _____

| | | | | |
|--|---|--|--|--|
| | - | | | |
|--|---|--|--|--|

Matrix (Check all that apply) Air Soil/Solid Water Other Temp (°C) 8.0 Thermometer # 1

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

Additional Comments (if any):

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.
Custodian Printed Name7/28/22
Date/Time



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPRC 27-9F

Project Number: [none]
Project Manager: Paul Henchan

Reported:
08/08/22 08:43

MW-1
2207410-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/28/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|-----------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 46 | 1.0 | ug/l | 1 | BFG0538 | 07/29/22 | 07/30/22 | EPA 8260B | |
| Toluene | ND | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | 34 | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | 38 | 2.0 | " | " | " | " | " | " | |
| Naphthalene | 11 | 1.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | 28 | 1.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | 12 | 1.0 | " | " | " | " | " | " | |

Date Sampled: **07/28/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 101 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 94.7 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 113 % | 21-167 | | " | " | " | " | |

Anions by EPA Method 300.0

Date Sampled: **07/28/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Chloride | 176 | 12.0 | mg/L | 200 | BFH0084 | 08/03/22 | 08/03/22 | EPA 300.0 | |
| Sulfate | 193 | 60.0 | " | " | " | " | " | " | |

Total Dissolved Solids by SM2540C

Date Sampled: **07/28/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|-------------|-----------------|-------|----------|---------|----------|----------|---------|-------|
| Total Dissolved Solids | 1050 | 10.0 | mg/L | 1 | BFH0033 | 08/01/22 | 08/01/22 | SM2540C | |

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 - UPRC 27-9F

Project Number: [none]
Project Manager: Paul Henchan

Reported:
08/08/22 08:43

MW-3
2207410-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/28/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 56 | 1.0 | ug/l | 1 | BFG0538 | 07/29/22 | 07/30/22 | EPA 8260B | |
| Toluene | ND | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | 150 | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | 11000 | 200 | " | 100 | " | " | 08/01/22 | " | |
| Naphthalene | 27 | 1.0 | " | 1 | " | " | 07/30/22 | " | |
| 1,2,4-Trimethylbenzene | 990 | 100 | " | 100 | " | " | 08/01/22 | " | |
| 1,3,5-Trimethylbenzene | 700 | 100 | " | " | " | " | " | " | |

Date Sampled: **07/28/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 99.2 % | 23-173 | | " | " | 07/30/22 | " | |
| Surrogate: Toluene-d8 | | 96.0 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 110 % | 21-167 | | " | " | " | " | |

Anions by EPA Method 300.0

Date Sampled: **07/28/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|-------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Chloride | 162 | 12.0 | mg/L | 200 | BFH0084 | 08/03/22 | 08/04/22 | EPA 300.0 | |
| Sulfate | 64.2 | 60.0 | " | " | " | " | " | " | |

Total Dissolved Solids by SM2540C

Date Sampled: **07/28/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|------------|-----------------|-------|----------|---------|----------|----------|---------|-------|
| Total Dissolved Solids | 930 | 10.0 | mg/L | 1 | BFH0033 | 08/01/22 | 08/01/22 | SM2540C | |

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 - UPRC 27-9F

Project Number: [none]
Project Manager: Paul Henchan

Reported:
08/08/22 08:43

MW-5
2207410-05 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/28/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|------------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | ND | 1.0 | | ug/l | 1 | BFG0538 | 07/29/22 | 07/30/22 | EPA 8260B | |
| Toluene | ND | 1.0 | | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | | " | " | " | " | " | " | |
| Xylenes (total) | 20 | 2.0 | | " | " | " | " | " | " | |
| Naphthalene | ND | 1.0 | | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | 2.0 | 1.0 | | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | 5.2 | 1.0 | | " | " | " | " | " | " | |

Date Sampled: **07/28/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 103 % | | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 95.3 % | | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 128 % | | 21-167 | | " | " | " | " | |

Anions by EPA Method 300.0

Date Sampled: **07/28/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|-------------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Chloride | 204 | 12.0 | | mg/L | 200 | BFH0084 | 08/03/22 | 08/04/22 | EPA 300.0 | |
| Sulfate | 59.2 | 6.00 | | " | 20 | " | " | " | " | |

Total Dissolved Solids by SM2540C

Date Sampled: **07/28/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|-------------|-----------|--|-------|----------|---------|----------|----------|---------|-------|
| | | Limit | | | | | | | | |
| Total Dissolved Solids | 1370 | 10.0 | | mg/L | 1 | BFH0033 | 08/01/22 | 08/01/22 | SM2540C | |

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 - UPRC 27-9F

Project Number: [none]
Project Manager: Paul Henchan

Reported:
08/08/22 08:43

MW-6
2207410-06 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/28/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 2.1 | 1.0 | ug/l | 1 | BFG0538 | 07/29/22 | 07/30/22 | EPA 8260B | |
| Toluene | ND | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | 69 | 2.0 | " | " | " | " | " | " | |
| Naphthalene | 1.5 | 1.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | 25 | 1.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | 34 | 1.0 | " | " | " | " | " | " | |

Date Sampled: **07/28/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 95.9 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 99.4 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 107 % | 21-167 | | " | " | " | " | |

Anions by EPA Method 300.0

Date Sampled: **07/28/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Chloride | 215 | 12.0 | mg/L | 200 | BFH0084 | 08/03/22 | 08/04/22 | EPA 300.0 | |
| Sulfate | 203 | 60.0 | " | " | " | " | " | " | |

Total Dissolved Solids by SM2540C

Date Sampled: **07/28/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|-------------|-----------------|-------|----------|---------|----------|----------|---------|-------|
| Total Dissolved Solids | 1040 | 10.0 | mg/L | 1 | BFH0033 | 08/01/22 | 08/01/22 | SM2540C | |

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 - UPRC 27-9F

Project Number: [none]
Project Manager: Paul Henchan

Reported:
08/08/22 08:43

MW-7
2207410-07 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/28/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | ND | 1.0 | | ug/l | 1 | BFG0538 | 07/29/22 | 07/30/22 | EPA 8260B | |
| Toluene | ND | 1.0 | | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | | " | " | " | " | " | " | |
| Xylenes (total) | ND | 2.0 | | " | " | " | " | " | " | |
| Naphthalene | ND | 1.0 | | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | " | " | " | " | " | " | |

Date Sampled: **07/28/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 95.9 % | | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 99.7 % | | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 101 % | | 21-167 | | " | " | " | " | |

Anions by EPA Method 300.0

Date Sampled: **07/28/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|------------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Chloride | 212 | 12.0 | | mg/L | 200 | BFH0084 | 08/03/22 | 08/04/22 | EPA 300.0 | |
| Sulfate | 196 | 60.0 | | " | " | " | " | " | " | |

Total Dissolved Solids by SM2540C

Date Sampled: **07/28/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|------------|-----------|--|-------|----------|---------|----------|----------|---------|-------|
| | | Limit | | | | | | | | |
| Total Dissolved Solids | 945 | 10.0 | | mg/L | 1 | BFH0033 | 08/01/22 | 08/01/22 | SM2540C | |

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 - UPRC 27-9F

Project Number: [none]
Project Manager: Paul Henchan

Reported:
08/08/22 08:43

MW-301015
2207410-08 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/28/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | ND | 1.0 | | ug/l | 1 | BFG0538 | 07/29/22 | 07/30/22 | EPA 8260B | |
| Toluene | ND | 1.0 | | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | | " | " | " | " | " | " | |
| Xylenes (total) | ND | 2.0 | | " | " | " | " | " | " | |
| Naphthalene | ND | 1.0 | | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | " | " | " | " | " | " | |

Date Sampled: **07/28/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 97.5 % | | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 101 % | | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 103 % | | 21-167 | | " | " | " | " | |

Anions by EPA Method 300.0

Date Sampled: **07/28/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|------------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Chloride | 194 | 12.0 | | mg/L | 200 | BFH0084 | 08/03/22 | 08/04/22 | EPA 300.0 | |
| Sulfate | 219 | 60.0 | | " | " | " | " | " | " | |

Total Dissolved Solids by SM2540C

Date Sampled: **07/28/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|------------|-----------|--|-------|----------|---------|----------|----------|---------|-------|
| | | Limit | | | | | | | | |
| Total Dissolved Solids | 927 | 10.0 | | mg/L | 1 | BFH0033 | 08/01/22 | 08/01/22 | SM2540C | |

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 - UPRC 27-9F

Project Number: [none]
Project Manager: Paul Henchan

Reported:
08/08/22 08:43

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BFG0538 - EPA 5030 Water MS

Blank (BFG0538-BLK1)

Prepared & Analyzed: 07/29/22

| | | | | | | | | | | | |
|---|------|-----|------|------|--|------|--|--------|--|--|--|
| Benzene | ND | 1.0 | ug/l | | | | | | | | |
| Toluene | ND | 1.0 | " | | | | | | | | |
| Ethylbenzene | ND | 1.0 | " | | | | | | | | |
| Xylenes (total) | ND | 2.0 | " | | | | | | | | |
| Naphthalene | ND | 1.0 | " | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | " | | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | " | | | | | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 13.2 | | " | 13.3 | | 98.6 | | 23-173 | | | |
| <i>Surrogate: Toluene-d8</i> | 13.4 | | " | 13.3 | | 100 | | 20-170 | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 13.6 | | " | 13.3 | | 102 | | 21-167 | | | |

LCS (BFG0538-BS1)

Prepared & Analyzed: 07/29/22

| | | | | | | | | | | | |
|---|------|-----|------|------|--|------|--|--------|--|--|--|
| Benzene | 21.4 | 1.0 | ug/l | 41.7 | | 51.5 | | 51-132 | | | |
| Toluene | 39.0 | 1.0 | " | 41.7 | | 93.6 | | 51-138 | | | |
| Ethylbenzene | 44.9 | 1.0 | " | 41.7 | | 108 | | 58-146 | | | |
| m,p-Xylene | 89.5 | 2.0 | " | 83.3 | | 107 | | 57-144 | | | |
| o-Xylene | 44.0 | 1.0 | " | 41.7 | | 106 | | 53-146 | | | |
| Naphthalene | 34.0 | 1.0 | " | 41.7 | | 81.6 | | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 51.2 | 1.0 | " | 41.7 | | 123 | | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 52.4 | 1.0 | " | 41.7 | | 126 | | 70-130 | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 12.8 | | " | 13.3 | | 96.4 | | 23-173 | | | |
| <i>Surrogate: Toluene-d8</i> | 13.6 | | " | 13.3 | | 102 | | 20-170 | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 13.4 | | " | 13.3 | | 101 | | 21-167 | | | |

Matrix Spike (BFG0538-MS1)

Source: 2207406-01

Prepared & Analyzed: 07/29/22

| | | | | | | | | | | | |
|---|------|-----|------|------|----|------|--|--------|--|--|--|
| Benzene | 21.3 | 1.0 | ug/l | 41.7 | ND | 51.1 | | 34-141 | | | |
| Toluene | 38.9 | 1.0 | " | 41.7 | ND | 93.4 | | 27-151 | | | |
| Ethylbenzene | 44.9 | 1.0 | " | 41.7 | ND | 108 | | 29-160 | | | |
| m,p-Xylene | 90.3 | 2.0 | " | 83.3 | ND | 108 | | 20-166 | | | |
| o-Xylene | 44.3 | 1.0 | " | 41.7 | ND | 106 | | 33-159 | | | |
| Naphthalene | 38.8 | 1.0 | " | 41.7 | ND | 93.1 | | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 51.6 | 1.0 | " | 41.7 | ND | 124 | | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 53.0 | 1.0 | " | 41.7 | ND | 127 | | 70-130 | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 14.0 | | " | 13.3 | | 105 | | 23-173 | | | |
| <i>Surrogate: Toluene-d8</i> | 13.8 | | " | 13.3 | | 103 | | 20-170 | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 13.7 | | " | 13.3 | | 102 | | 21-167 | | | |

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPRC 27-9F

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 08/08/22 08:43

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BFG0538 - EPA 5030 Water MS

| Matrix Spike Dup (BFG0538-MSD1) | Source: 2207406-01 | | | Prepared & Analyzed: 07/29/22 | | | | | | |
|----------------------------------|--------------------|-----|------|-------------------------------|----|------|--------|------|----|--|
| Benzene | 21.8 | 1.0 | ug/l | 41.7 | ND | 52.2 | 34-141 | 2.18 | 30 | |
| Toluene | 39.9 | 1.0 | " | 41.7 | ND | 95.8 | 27-151 | 2.46 | 30 | |
| Ethylbenzene | 47.0 | 1.0 | " | 41.7 | ND | 113 | 29-160 | 4.54 | 30 | |
| m,p-Xylene | 93.2 | 2.0 | " | 83.3 | ND | 112 | 20-166 | 3.11 | 30 | |
| o-Xylene | 45.9 | 1.0 | " | 41.7 | ND | 110 | 33-159 | 3.54 | 30 | |
| Naphthalene | 41.9 | 1.0 | " | 41.7 | ND | 101 | 70-130 | 7.78 | 30 | |
| 1,2,4-Trimethylbenzene | 53.3 | 1.0 | " | 41.7 | ND | 128 | 70-130 | 3.26 | 30 | |
| 1,3,5-Trimethylbenzene | 54.2 | 1.0 | " | 41.7 | ND | 130 | 70-130 | 2.29 | 30 | |
| Surrogate: 1,2-Dichloroethane-d4 | 14.4 | | " | 13.3 | | 108 | 23-173 | | | |
| Surrogate: Toluene-d8 | 13.6 | | " | 13.3 | | 102 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 13.6 | | " | 13.3 | | 102 | 21-167 | | | |

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPRC 27-9F

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 08/08/22 08:43

Anions by EPA Method 300.0 - Quality Control
Summit Scientific

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

Batch BFH0084 - General Preparation

Blank (BFH0084-BLK1)

Prepared & Analyzed: 08/03/22

| | | | | | | | | | |
|----------|----|--------|------|--|--|--|--|--|--|
| Chloride | ND | 0.0600 | mg/L | | | | | | |
| Sulfate | ND | 0.300 | " | | | | | | |

LCS (BFH0084-BS1)

Prepared & Analyzed: 08/03/22

| | | | | | | | | |
|----------|------|--------|------|------|-----|--------|--|--|
| Chloride | 3.25 | 0.0600 | mg/L | 3.00 | 108 | 90-110 | | |
| Sulfate | 15.8 | 0.300 | " | 15.0 | 105 | 90-110 | | |

Duplicate (BFH0084-DUP1)

Source: 2207407-01

Prepared & Analyzed: 08/03/22

| | | | | | | | | |
|----------|------|------|------|--|------|--|------|----|
| Chloride | 10.0 | 1.20 | mg/L | | 11.2 | | 11.3 | 20 |
| Sulfate | 79.6 | 60.0 | " | | 81.0 | | 1.74 | 20 |

Matrix Spike (BFH0084-MS1)

Source: 2207407-01

Prepared & Analyzed: 08/03/22

| | | | | | | | | |
|----------|------|------|------|------|------|-----|--------|--|
| Chloride | 647 | 12.0 | mg/L | 600 | 11.2 | 106 | 80-120 | |
| Sulfate | 3680 | 60.0 | " | 3000 | 81.0 | 120 | 80-120 | |

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPRC 27-9F

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 08/08/22 08:43

Total Dissolved Solids by SM2540C - Quality Control
Summit Scientific

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

Batch BFH0033 - General Preparation

Blank (BFH0033-BLK1)

Prepared & Analyzed: 08/01/22

Total Dissolved Solids ND 10.0 mg/L

Duplicate (BFH0033-DUP1)

Source: 2207410-01

Prepared & Analyzed: 08/01/22

Total Dissolved Solids 1070 10.0 mg/L 1050 2.45 20

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPRC 27-9F

Project Number: [none]
Project Manager: Paul Henchan

Reported:
08/08/22 08:43

Notes and Definitions

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