

FREMONT ENVIRONMENTAL INC.

November 9, 2022

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

Subject: **Flowline Closure Data Submittal**
Odle BB 19-11
API # 05-123-15520
NESW Sec. 19, T5N, R63W
Weld County, Colorado
Fremont Project No. C022-103
Remediation #23206

Dear Mr. Peterson:

As you requested, Fremont Environmental Inc. (Fremont) personnel conducted facility closure activities for the Noble Energy Inc. (Noble) Odle BB 19-11 flowline. Impacted soil was not encountered during the flowline abandonment. Details of the Odle BB 19-11 flowline closure activities are documented in the attached Closure Report. Groundwater was encountered and unimpacted.

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

Attachments:

- Facility Closure Checklist
- Tables
- Figures
- Photos
- Laboratory Reports

Flowline Closure Checklist

COGCC Rule 911.a.(4) Environmental Site Closure Assessment Field Form

| | | | | | | | | |
|---|--|----------------------|--|------------------|--|-------------|--|-----------------------------------|
| <i>Additional Attachments:</i> | | Tank Battery Closure | | Wellhead Closure | | Pit Closure | | Partially Buried Vault Closure |
| <i>Site Name & COGCC Facility Number:</i> | | <i>Date:</i> | | | | | | <i>Remediation Project #:</i> |
| <i>Associated Wells:</i> | | <i>Age of Site:</i> | | | | | | <i>Number of Photos Attached:</i> |

Starting point: (GPS coordinates and descriptions)

End point: (GPS coordinates and descriptions)

USCS Soil Type: _____ *Estimated Depth to Groundwater:* _____

Hydrocarbon Impacted Soils / Spills: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)

Salt Crusted Soils or Impacted Vegetation: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)

Flowlines

| <i>Flowline type</i> | | | | | | | |
|-----------------------------------|--|--|--|--|--|--|--|
| <i>Depth</i> | | | | | | | |
| <i>Age</i> | | | | | | | |
| <i>Length</i> | | | | | | | |
| <i>Construction Material</i> | | | | | | | |
| <i>Were flowlines pulled?</i> | | | | | | | |
| <i>Visual Integrity of lines</i> | | | | | | | |
| <i>Visual impacts if trenched</i> | | | | | | | |
| <i>PID Readings if trenched</i> | | | | | | | |
| <i>Sample taken?</i> | | | | | | | |
| <i>Location/Sample ID#</i> | | | | | | | |
| <i>Photo Number(s)</i> | | | | | | | |

Other observations regarding on location flowlines:

Summary

| | | |
|--|--|--|
| <i>Was impacted soil identified?</i> | | |
| No | Yes - less than 10 cubic yards | Yes - more than 10 cubic yards |
| <i>Total number of samples field screened:</i> | | <i>Total number of samples collected:</i> |
| <i>Highest PID Reading:</i> | | <i>Total number of samples submitted to lab for analysis:</i> |
| <i>If more than 10 cubic yards of impacted soil were observed:</i> | | |
| <i>Vertical extent:</i> | | <i>Estimated spill volume:</i> |
| <i>Lateral extent:</i> | | <i>Volume of soil removed:</i> |
| <i>Is additional investigation required?</i> | | |
| <i>Was groundwater encountered during the investigation?</i> | | |
| No | Yes - not impacted or in contact with impacted soils | Yes - groundwater impacted and/or in contact with impacted soils |
| <i>Measured depth to groundwater:</i> | | <i>Was remedial groundwater removal conducted? Yes No</i> |
| <i>Date Groundwater was encountered:</i> | | <i>Commencement date of removal:</i> |
| <i>Sheen on groundwater? Yes No</i> | | <i>Volume of groundwater removed prior to sampling:</i> |
| <i>Free product observed? Yes No</i> | | <i>Volume of groundwater removed post sampling:</i> |
| <i>Total number of samples collected:</i> | | <i>Total Volume of groundwater removed:</i> |
| <i>Total number of samples submitted to lab for analysis:</i> | | |

TABLE 1
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
NOBLE ENERGY INC.
ODLE BB 19-11 , WELD COUNTY, COLORADO
FREMONT PROJECT NO. C022-103

| Sample | Date Sampled | Depth (ft) | Location | 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) |
|--|--------------|------------|----------|-----------------|-----------------|-----------------------|-----------------|---------------------------------|---------------------------------|---------------------|-----------------|-----------------|-----------------|
| FL01 - W Wall 2ft | 08/16/2022 | 2 | Wall | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <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

TABLE 2
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
NOBLE ENERGY INC.
ODLE BB 19-11 , WELD COUNTY, COLORADO
FREMONT PROJECT NO. C022-103

| Sample | Date Sampled | Depth (ft) | Location | Acenaphthene (mg/kg) | Anthracene (mg/kg) | Benzo (a) anthracene (mg/kg) | Benzo (a) pyrene (mg/kg) | Benzo (b) fluoranthene (mg/kg) | Benzo (k) fluoranthene (mg/kg) | Chrysene (mg/kg) | Dibenz (a,h) anthracene (mg/kg) | Fluoranthene (mg/kg) | Fluorene (mg/kg) | Indeno (1,2,3-cd) pyrene (mg/kg) | Pyrene (mg/kg) | 1-Methyl - naphthalene (mg/kg) | 2-Methyl- naphthalene (mg/kg) |
|--|--------------|------------|----------|----------------------|--------------------|------------------------------|--------------------------|--------------------------------|--------------------------------|------------------|---------------------------------|----------------------|------------------|----------------------------------|----------------|--------------------------------|-------------------------------|
| FL01 - W Wall 2ft | 08/16/2022 | 2 | Wall | 0.00990 | 0.0335 | 0.0518 | 0.0423 | 0.0682 | 0.0300 | 0.0558 | <0.00500 | 0.156 | 0.0155 | 0.0170 | 0.109 | <0.00500 | <0.00500 |
| COGCC Table 915-1 Limits (Residential SSL) | | | | 360 | 1800 | 1.1 | 0.11 | 1.1 | 11 | 110 | 0.11 | 240 | 240 | 1.1 | 180 | 18 | 24 |
| COGCC Table 915-1 Limits (Protection of Groundwater SSL) | | | | 0.55 | 5.8 | 0.011 | 0.24 | 0.3 | 2.9 | 9 | 0.096 | 8.9 | 0.54 | 0.98 | 1.3 | 0.006 | 0.019 |

Bold faced values exceed the COGCC Table 915-1 concentrations
Blue highlighted 915-1 Limits indicate the referenced soil screening level (SSL)

TABLE 3
SUMMARY OF INORGANIC SOIL CHEMISTRY DATA
NOBLE ENERGY INC.
ODLE BB 19-11 , WELD COUNTY, COLORADO
FREMONT PROJECT NO. C022-103

| SAMPLE LOCATION | DATE SAMPLED | DEPTH ft | EC mmhos/cm | pH pH units | SAR units | BORON mg/L |
|--------------------|--------------|----------|-------------|-------------|-------------|------------|
| FL01 - W Wall 2ft | 08/16/2022 | 2 | 6.19 | 7.90 | 11.6 | 0.349 |
| Table 915-1 Limits | | | <4 | 6-8.3 | <6 | 2 |

Bold face values exceed the COGCC Limits

TABLE 4
SUMMARY OF ORGANIC GROUNDWATER CHEMISTRY DATA
NOBLE ENERGY INC.
ODLE BB 19-11 , WELD COUNTY, COLORADO
FREMONT PROJECT NO. C022-103

| SAMPLE LOCATION | DATE | BENZENE (µg/L) | TOLUENE (µg/L) | ETHYL BENZENE (µg/L) | TOTAL XYLENES (µg/L) | NAPHTHALENE (µg/L) | 1,2,4 TRIMETHYL- BENZENE (µg/L) | 1,3,5 TRIMETHYL- BENZENE (µg/L) |
|------------------------|-------------|---------------------------|---------------------------|-------------------------------------|-------------------------------------|-------------------------------|--|--|
| FL01 | 08/16/2022 | <1.0 | <1.0 | 3.3 | 12 | 12 | 1.5 | 6.0 |
| Table 915-1 Limits | | 5 | 560 | 700 | 1,400 | 140 | 67 | 67 |

TABLE 5
SUMMARY OF INORGANIC GROUNDWATER CHEMISTRY DATA
NOBLE ENERGY INC.
ODLE BB 19-11 , WELD COUNTY, COLORADO
FREMONT PROJECT NO. C022-103

| SAMPLE LOCATION | DATE | TOTAL DISSOLVED SOLIDS (mg/L) | CHLORIDE ION (mg/L) | SULFATE ION (mg/L) |
|--------------------|------------|-------------------------------------|---------------------------------|---------------------------------|
| FL01 | 08/16/2022 | 1730 | 124 | 791 |
| Table 915-1 Limits | | <1.25 x local background | 250 or <1.25 x local background | 250 or <1.25 x local background |

Bold face values exceed the COGCC limits

NP - No Free Product

NA - Not Analyzed

NAP - Not Applicable

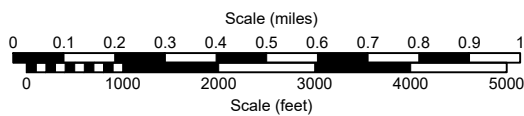
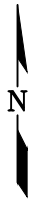
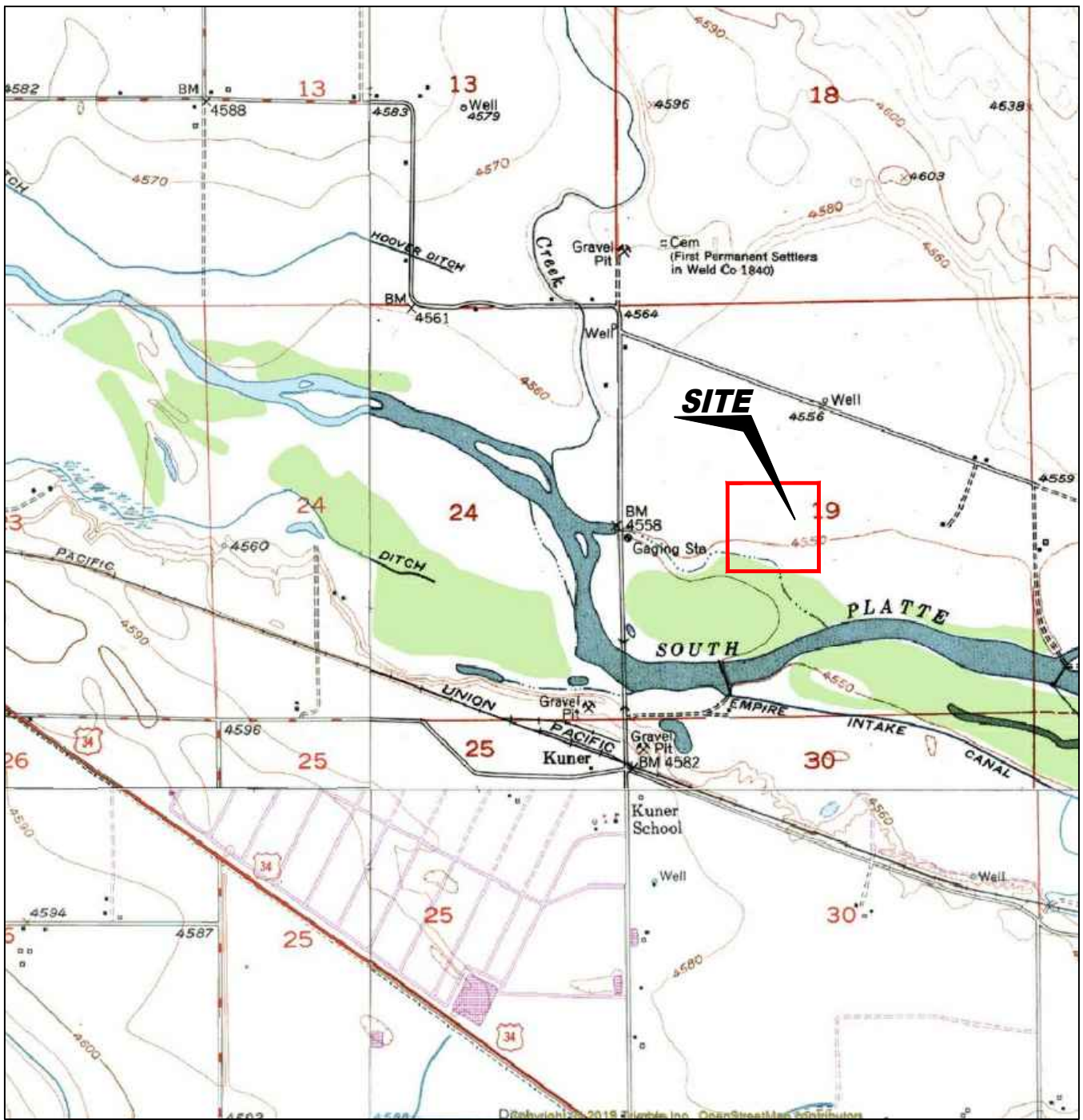
TABLE 6
SUMMARY OF POTHOLE FIELD OBSERVATIONS
NOBLE ENERGY INC.
ODLE BB-19-11, WELD COUNTY, COLORADO
FREMONT PROJECT C022-103

| Location | Latitude | Longitude | PID (PPM) | Field Observations |
|----------|------------|--------------|--------------|-----------------------|
| FL01 | 40.3834595 | -104.4817103 | 152.1 | Odor, No staining |
| FL02 | 40.383626 | -104.4820433 | 0.1 | No suspected impacts. |
| FL03 | 40.3838605 | -104.4825503 | 21.5 | No suspected impacts. |
| FL04 | 40.3840264 | -104.4830645 | 0.6 | No suspected impacts. |
| FL05 | 40.3842183 | -104.484145 | 7.2 | No suspected impacts. |
| FL06 | 40.3844318 | -104.4851933 | 13.4 | No suspected impacts. |
| FL07 | 40.3847423 | -104.4862735 | 0.2 | No suspected impacts. |

**TABLE 7
SUMMARY OF FLOW LINE CONDITION
NOBLE ENERGY INC.
ODLE BB-19-11, WELD COUNTY, COLORADO
FREMONT PROJECT C022-103**

| START | STOP | FOOTAGE | PIPE TYPE AND CONDITION |
|-------|------|---------|---|
| FL01 | FL02 | 110 | 2" sch. 80 carbon steel, black, non-ACM taped coating, good condition |
| FL02 | FL03 | 161 | 2" sch. 80 carbon steel, black, non-ACM taped coating, good condition |
| FL03 | FL04 | 153 | 2" sch. 80 carbon steel, black, non-ACM taped coating, good condition |
| FL04 | FL05 | 309 | 2" sch. 80 carbon steel, black, non-ACM taped coating, good condition |
| FL05 | FL06 | 300 | 2" sch. 80 carbon steel, black, non-ACM taped coating, good condition |
| FL06 | FL07 | 318 | 2" sch. 80 carbon steel, black, non-ACM taped coating, good condition |

1351 **Total Linear Feet of Flowline**



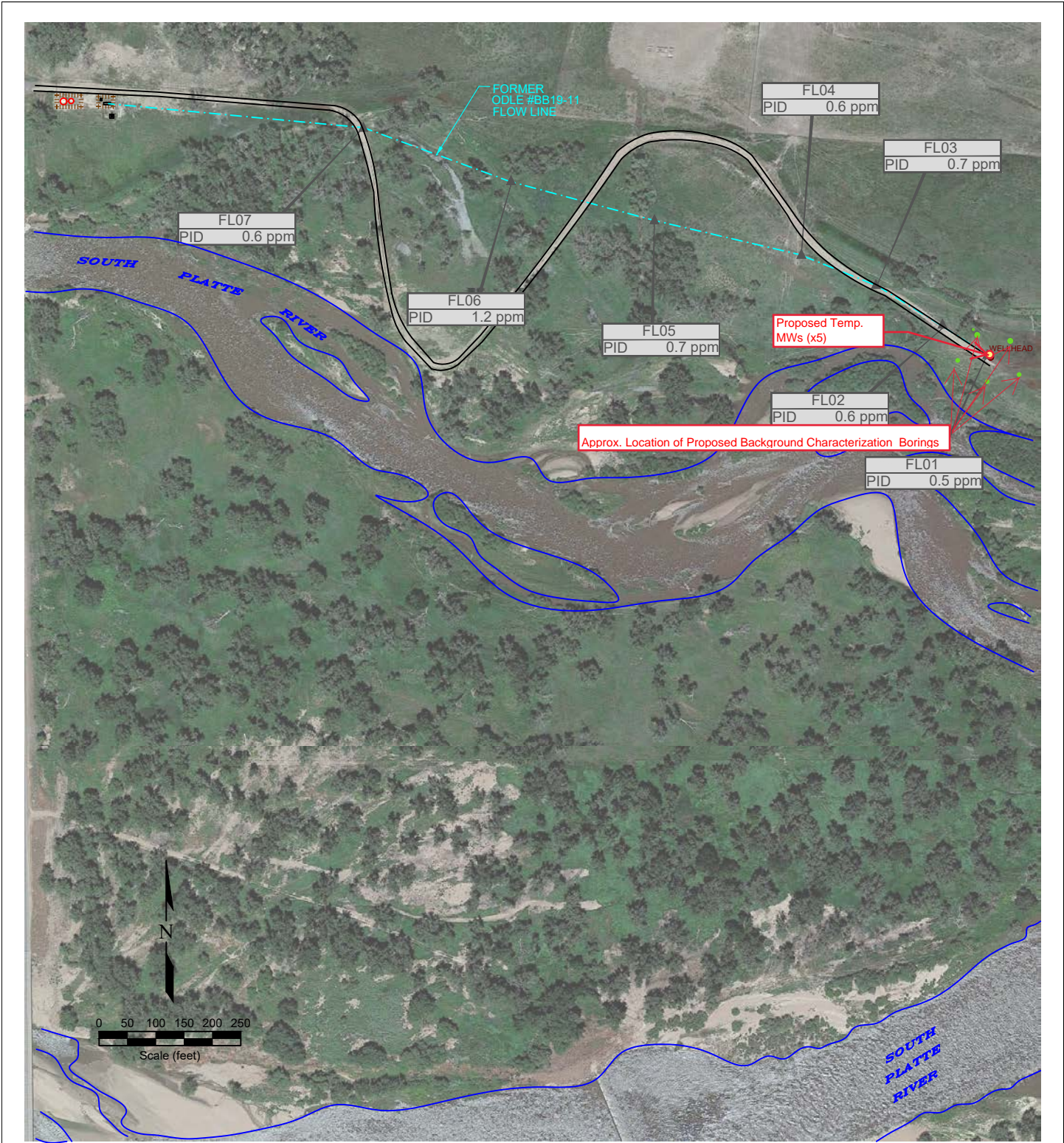
USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)

Figure 1
SITE LOCATION MAP

NOBLE ENERGY, INC. ~ ODLE #BB 19-11
 NESW Sec. 19, T5N, R63W, 6th PM
 Weld County, Colorado
 40.383321°, -104.481335°

| | | |
|------------------------------|------------------------------|-------------------------------|
| Project # C022-103 | API # 05-123-15530 | Remediation # 23206 |
| Date 11/22/22 | Reviewed By EB | Filename 22103T2 |





LEGEND

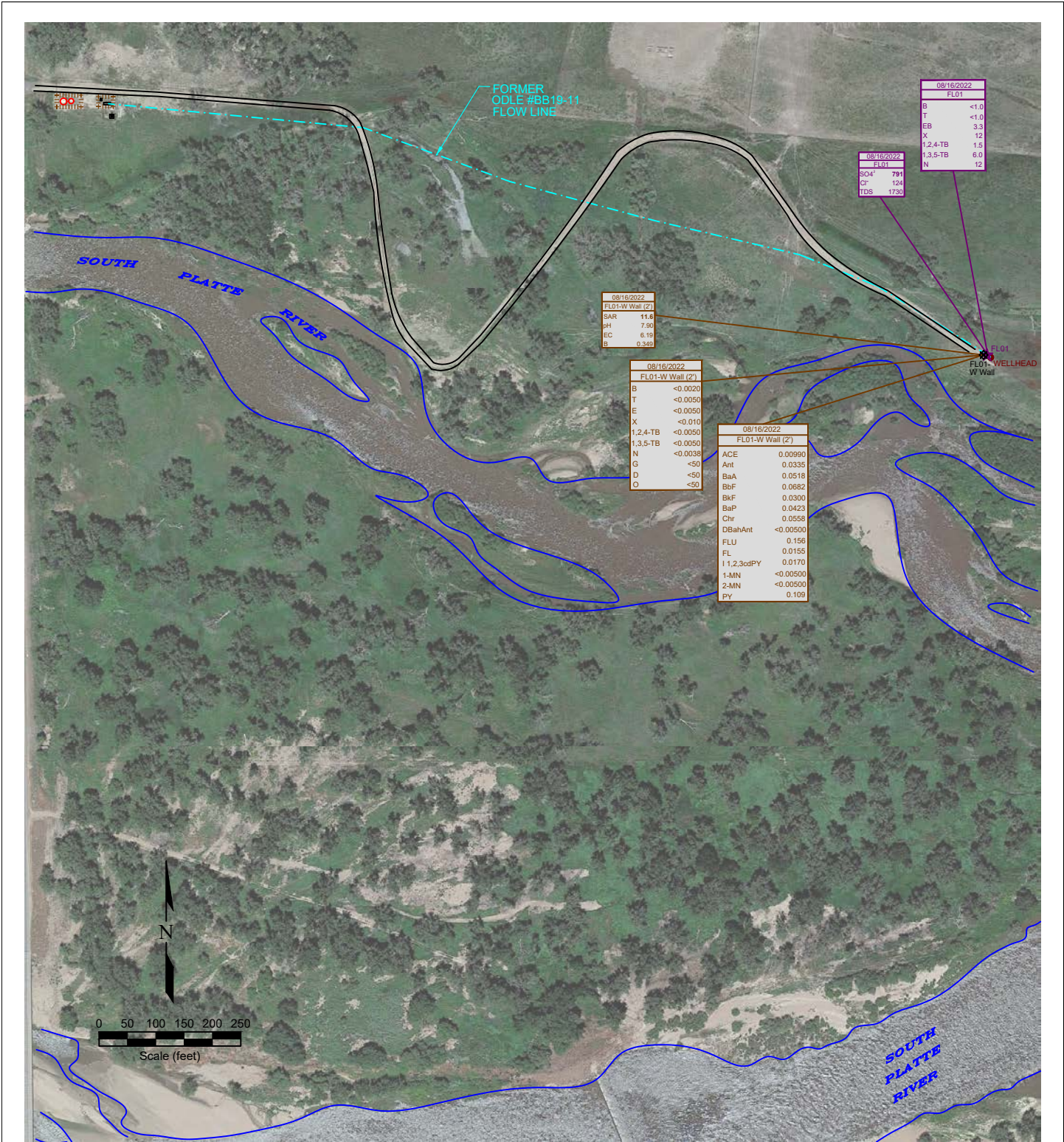
- WELL HEAD LOCATION
 - ▲ PID READING LOCATION
 - ABOVE GROUND STORAGE TANK
 - FORMER FACILITY
 - FLOW LINE
 - CONTAINMENT BERM
- FL01
PID 0.5 ppm
- PID READING LOCATION IDENTIFICATION
- PHOTO IONIZATION DETECTION (ppm)

Figure 2
SITE MAP

NOBLE ENERGY, INC. ~ ODLE #BB 19-11
 NESW Sec. 19, T5N, R63W, 6th PM
 Weld County, Colorado
 40.383321°, -104.481335°

| | | |
|--------------------------------|------------------------------|-------------------------------|
| Project No. C022-103 | API # 05-123-15530 | Remediation # 23206 |
| Date 11/23/22 | Reviewed By EB | Filename 22103Q2 |





LEGEND

- WELL HEAD LOCATION
- ABOVE GROUND STORAGE TANK
- ★ SOIL SAMPLE LOCATION
- ★ WATER SAMPLE LOCATION
- FORMER FACILITY
- FLOW LINE
- ▬ CONTAINMENT BERM

| DATE SAMPLED | SAMPLE ID and DEPTH (ft) | DATE SAMPLED | SAMPLE ID and DEPTH (ft) | DATE SAMPLED | SAMPLE ID |
|--------------|--------------------------|--------------|--------------------------|--------------|-----------|
| 08/16/2022 | FL01-W Well (2') | 08/16/2022 | FL01-W Well (2') | 08/16/2022 | FL01 |
| ACE | 0.00990 | B | <0.0020 | SAR | 11.8 |
| Ant | 0.0335 | T | <0.0050 | pH | 7.90 |
| BaA | 0.0518 | E | <0.0050 | EC | 6.19 |
| BbF | 0.0062 | K | <0.010 | B | 0.349 |
| BkF | 0.0300 | 1,2,4-TB | <0.0050 | | |
| BaP | 0.0423 | 1,3,5-TB | <0.0050 | | |
| Chr | 0.0558 | N | <0.0038 | | |
| DBahAnt | <0.00500 | G | <50 | | |
| FLU | 0.156 | D | <50 | | |
| FL | 0.0155 | O | <50 | | |
| 1,1,2,3cdPY | 0.0170 | | | | |
| 1-MN | <0.00500 | | | | |
| 2-MN | <0.00500 | | | | |
| py | 0.109 | | | | |

Figure 3
SOIL AND GROUNDWATER CHEMISTRY MAP
NOBLE ENERGY, INC. ~ ODLE #BB 19-11
 NESW Sec. 19, T5N, R63W, 6th PM
 Weld County, Colorado
 40.383321°, -104.481335°

| | | | |
|--------------------------------|------------------------------|-------------------------------|--|
| Project No. C022-103 | API # 05-123-15530 | Remediation # 23206 | |
| Date 11/23/22 | Reviewed By EB | Filename 22103Q2 | |

Photo Log



Description:

| |
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Description:

Photo Log



Description:

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Photo Log



Description:

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Photo Log



Description:

Photo Log



Description:

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Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

September 06, 2022

Paul Henchan
Fremont Environmental
PO Box 1289
Wellington, CO 80549
RE: Noble - Odle BB19-11
Work Order #2208304

Enclosed are the results of analyses for samples received by Summit Scientific on 08/22/22 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 - Odle BB19-11

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/06/22 09:29

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|----------------------|---------------|--------|----------------|----------------|
| AST Load Out-Surface | 2208304-01 | Soil | 08/16/22 00:00 | 08/22/22 16:00 |
| PWV - E Wall 2ft | 2208304-02 | Soil | 08/16/22 00:00 | 08/22/22 16:00 |
| PWV - Floor 3ft | 2208304-03 | Soil | 08/16/22 00:00 | 08/22/22 16:00 |
| Sep - E Wall 2ft | 2208304-04 | Soil | 08/16/22 00:00 | 08/22/22 16:00 |
| FL01 - W Wall 2ft | 2208304-05 | Soil | 08/16/22 00:00 | 08/22/22 16:00 |
| Sep | 2208304-07 | Water | 08/16/22 00:00 | 08/22/22 16:00 |
| FL01 | 2208304-08 | Water | 08/16/22 00:00 | 08/22/22 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

2208304

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

Client: Fremont Environmental

Project Manager: Henehan

Page 1 of 1

Address:

E-Mail: fremont env dist list (jeffg, paulh, ethanb), chrisl

City/State/Zip:

Bill To: Noble

Phone:

Project Name: Noble - Cde BB 19-11

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 | AST LOAD OUT - SURFACE | 8/16/22 | | 3 | | | X | | | | | | | | | | | | | | | |
| 2 | PWV - E WALL 2FT | | | 1 | | | | | | | | | | | | | | | | | | |
| 3 | PWV - FLOOR 3FT | | | 1 | | | | | | | | | | | | | | | | | | |
| 4 | SEP - E WALL 2FT | | | 1 | | | | | | | | | | | | | | | | | | |
| 5 | FLO1 - W WALL 2FT | | | 1 | | | | | | | | | | | | | | | | | | |
| 6 | FLO6 - FLOOR 2FT | | | 1 | | | | | | | | | | | | | | | | | | |
| 7 | SEP | | | 4 | | | | | | | | | | | | | | | | | | |
| 8 | FLO1 | | | 4 | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | |

Relinquished by: Ethan Black Date/Time: 8/16/22

Received by: [Signature] Date/Time: 8/22/22 1000

Turn Around Time (Check)
 Same Day _____ 72 hours
 24 hours _____ Standard X
 48 hours _____

Notes:

Temperature Upon Receipt: 8.0
 IR gun correction: 0

Corrected Temperature 8
 IR gun #: 1
 HNO3 lot # _____

Sample Integrity:
 Samples Intact: (Yes) No

S₂

2208304

Sample Receipt Checklist

S2 Work Order#

Client: Fremont Client Project ID: Noble-Adle BB 19-11

Shipped 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.

[Signature]
Custodian Printed Name

82222
Date/Time



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Odle BB19-11

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/06/22 09:29

AST Load Out-Surface
2208304-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BFH0508 | 08/24/22 | 08/25/22 | 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: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 94.6 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 118 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 119 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | 140 | 50 | mg/kg | 1 | BFH0509 | 08/24/22 | 08/25/22 | EPA 8015M | |
| C28-C36 (ORO) | 62 | 50 | " | " | " | " | " | " | |

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 58.5 % | 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 - Odle BB19-11

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 09/06/22 09:29

AST Load Out-Surface
2208304-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BFH0500 | 08/24/22 | 08/25/22 | 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: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 61.1 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 46.7 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.102 | 0.0100 | mg/L | 1 | BFH0576 | 08/26/22 | 08/27/22 | EPA 6020B | |

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

Date Sampled: **08/16/22 00:00**

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

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Odle BB19-11

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/06/22 09:29

AST Load Out-Surface
2208304-01 (Soil)

Summit Scientific

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

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 33.1 | 0.0618 | mg/L dry | 1 | BFH0612 | 08/29/22 | 08/31/22 | EPA 6020B | |
| Magnesium | 6.64 | 0.0618 | " | " | " | " | " | " | |
| Sodium | 3.94 | 0.0618 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.163 | 0.00100 | units | 1 | BFH0694 | 08/31/22 | 08/31/22 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 80.9 | | % | 1 | BFH0516 | 08/24/22 | 08/24/22 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.249 | 0.0100 | mmhos/cm | 1 | BFH0647 | 08/30/22 | 08/31/22 | EPA 120.1 | |

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

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.44 | | pH Units | 1 | BFH0648 | 08/30/22 | 08/31/22 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Odle BB19-11

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/06/22 09:29

PWV - E Wall 2ft
2208304-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BFH0508 | 08/24/22 | 08/25/22 | 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 | 0.070 | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 10 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 96.8 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 119 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 128 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|-----------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | 59 | 50 | mg/kg | 1 | BFH0509 | 08/24/22 | 08/26/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 76.5 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Odle BB19-11

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/06/22 09:29

PWV - E Wall 2ft
2208304-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------|----------------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BFH0500 | 08/24/22 | 08/25/22 | 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 | 0.00926 | 0.00500 | " | " | " | " | " | " | " |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | " | " | " | " | " | " |
| Fluoranthene | ND | 0.00500 | " | " | " | " | " | " | " |
| Fluorene | 0.0559 | 0.00500 | " | " | " | " | " | " | " |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | " | " | " | " | " | " |
| Pyrene | 0.00522 | 0.00500 | " | " | " | " | " | " | " |
| 1-Methylnaphthalene | 0.0473 | 0.00500 | " | " | " | " | " | " | " |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | " |

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 79.3 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 70.0 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.248 | 0.0100 | mg/L | 1 | BFH0576 | 08/26/22 | 08/27/22 | EPA 6020B | |

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

Date Sampled: **08/16/22 00:00**

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

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Odle BB19-11

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 09/06/22 09:29

**PWV - E Wall 2ft
 2208304-02 (Soil)**

Summit Scientific

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

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 31.6 | 0.0542 | mg/L dry | 1 | BFH0612 | 08/29/22 | 08/31/22 | EPA 6020B | |
| Magnesium | 5.21 | 0.0542 | " | " | " | " | " | " | |
| Sodium | 59.2 | 0.0542 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 2.57 | 0.00100 | units | 1 | BFH0694 | 08/31/22 | 08/31/22 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 92.2 | | % | 1 | BFH0516 | 08/24/22 | 08/24/22 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.661 | 0.0100 | mmhos/cm | 1 | BFH0647 | 08/30/22 | 08/31/22 | EPA 120.1 | |

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

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.79 | | pH Units | 1 | BFH0648 | 08/30/22 | 08/31/22 | EPA 9045D | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Odle BB19-11

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/06/22 09:29

PWV - Floor 3ft
2208304-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BFH0508 | 08/24/22 | 08/25/22 | 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: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 88.2 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 118 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 113 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFH0509 | 08/24/22 | 08/26/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 74.5 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Odle BB19-11

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/06/22 09:29

PWV - Floor 3ft
2208304-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|----------------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BFH0500 | 08/24/22 | 08/25/22 | EPA 8270D SIM | |
| Anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) anthracene | 0.00992 | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) pyrene | 0.0115 | 0.00500 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | 0.0121 | 0.00500 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | 0.00536 | 0.00500 | " | " | " | " | " | " | |
| Chrysene | 0.0111 | 0.00500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluoranthene | 0.0124 | 0.00500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Pyrene | 0.0217 | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 64.1 % | 40-150 | " | " | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 61.9 % | 40-150 | " | " | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.580 | 0.0100 | mg/L | 1 | BFH0576 | 08/26/22 | 08/27/22 | EPA 6020B | |

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

Date Sampled: **08/16/22 00:00**

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

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Odle BB19-11

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 09/06/22 09:29

**PWV - Floor 3ft
 2208304-03 (Soil)**

Summit Scientific

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

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 21.4 | 0.0610 | mg/L dry | 1 | BFH0612 | 08/29/22 | 08/31/22 | EPA 6020B | |
| Magnesium | 5.46 | 0.0610 | " | " | " | " | " | " | |
| Sodium | 187 | 0.0610 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 9.34 | 0.00100 | units | 1 | BFH0694 | 08/31/22 | 08/31/22 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 81.9 | | % | 1 | BFH0516 | 08/24/22 | 08/24/22 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 1.29 | 0.0100 | mmhos/cm | 1 | BFH0647 | 08/30/22 | 08/31/22 | EPA 120.1 | |

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

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.85 | | pH Units | 1 | BFH0648 | 08/30/22 | 08/31/22 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Odle BB19-11

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/06/22 09:29

Sep - E Wall 2ft
2208304-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BFH0508 | 08/24/22 | 08/25/22 | 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: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 91.7 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 118 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 117 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFH0509 | 08/24/22 | 08/26/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 76.4 % | 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 - Odle BB19-11

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/06/22 09:29

Sep - E Wall 2ft
2208304-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BFH0500 | 08/24/22 | 08/25/22 | 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: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 77.7 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 59.3 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.275 | 0.0100 | mg/L | 1 | BFH0576 | 08/26/22 | 08/27/22 | EPA 6020B | |

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

Date Sampled: **08/16/22 00:00**

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

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Odle BB19-11

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 09/06/22 09:29

Sep - E Wall 2ft
2208304-04 (Soil)

Summit Scientific

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

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 46.8 | 0.0629 | mg/L dry | 1 | BFH0612 | 08/29/22 | 08/31/22 | EPA 6020B | |
| Magnesium | 21.1 | 0.0629 | " | " | " | " | " | " | |
| Sodium | 58.8 | 0.0629 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 1.79 | 0.00100 | units | 1 | BFH0694 | 08/31/22 | 08/31/22 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 79.5 | | % | 1 | BFH0516 | 08/24/22 | 08/24/22 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.832 | 0.0100 | mmhos/cm | 1 | BFH0647 | 08/30/22 | 08/31/22 | EPA 120.1 | |

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

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.36 | | pH Units | 1 | BFH0648 | 08/30/22 | 08/31/22 | EPA 9045D | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Odle BB19-11

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/06/22 09:29

FL01 - W Wall 2ft
2208304-05 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BFH0508 | 08/24/22 | 08/25/22 | 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: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 91.1 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 122 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 121 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFH0509 | 08/24/22 | 08/26/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 65.6 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Odle BB19-11

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/06/22 09:29

FL01 - W Wall 2ft
2208304-05 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|---------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | 0.00990 | 0.00500 | mg/kg | 1 | BFH0500 | 08/24/22 | 08/25/22 | EPA 8270D SIM | |
| Anthracene | 0.0335 | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) anthracene | 0.0518 | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) pyrene | 0.0423 | 0.00500 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | 0.0682 | 0.00500 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | 0.0300 | 0.00500 | " | " | " | " | " | " | |
| Chrysene | 0.0558 | 0.00500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluoranthene | 0.156 | 0.00500 | " | " | " | " | " | " | |
| Fluorene | 0.0155 | 0.00500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | 0.0170 | 0.00500 | " | " | " | " | " | " | |
| Pyrene | 0.109 | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 66.9 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 66.2 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.349 | 0.0100 | mg/L | 1 | BFH0576 | 08/26/22 | 08/27/22 | EPA 6020B | |

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

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 162 | 0.0598 | mg/L dry | 1 | BFH0612 | 08/29/22 | 08/31/22 | EPA 6020B | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Odle BB19-11

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/06/22 09:29

FL01 - W Wall 2ft
2208304-05 (Soil)

Summit Scientific

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

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Magnesium | 183 | 0.0598 | mg/L dry | 1 | BFH0612 | 08/29/22 | 08/31/22 | EPA 6020B | |
| Sodium | 909 | 0.0598 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 11.6 | 0.00100 | units | 1 | BFH0694 | 08/31/22 | 08/31/22 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 83.6 | | % | 1 | BFH0516 | 08/24/22 | 08/24/22 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 6.19 | 0.0100 | mmhos/cm | 1 | BFH0647 | 08/30/22 | 08/31/22 | EPA 120.1 | |

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

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.90 | | pH Units | 1 | BFH0648 | 08/30/22 | 08/31/22 | EPA 9045D | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Odle BB19-11

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/06/22 09:29

Sep
2208304-07 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | ND | 1.0 | | ug/l | 1 | BFH0525 | 08/24/22 | 08/25/22 | 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: **08/16/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 111 % | | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 97.4 % | | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 93.5 % | | 21-167 | | " | " | " | " | |

Anions by EPA Method 300.0

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|-------------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Chloride | 58.4 | 12.0 | | mg/L | 200 | BFH0510 | 08/24/22 | 08/24/22 | EPA 300.0 | |
| Sulfate | 164 | 60.0 | | " | " | " | " | " | " | |

Total Dissolved Solids by SM2540C

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|------------|-----------|--|-------|----------|---------|----------|----------|---------|-------|
| | | Limit | | | | | | | | |
| Total Dissolved Solids | 713 | 10.0 | | mg/L | 1 | BFH0493 | 08/23/22 | 08/23/22 | SM2540C | I-03 |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Odle BB19-11

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/06/22 09:29

FL01
2208304-08 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 1.0 | ug/l | 1 | BFH0525 | 08/24/22 | 08/25/22 | EPA 8260B | |
| Toluene | ND | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | 3.3 | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | 12 | 2.0 | " | " | " | " | " | " | |
| Naphthalene | 12 | 1.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | 1.5 | 1.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | 6.0 | 1.0 | " | " | " | " | " | " | |

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 97.1 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 85.0 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 93.6 % | 21-167 | | " | " | " | " | |

Anions by EPA Method 300.0

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Chloride | 124 | 12.0 | mg/L | 200 | BFH0510 | 08/24/22 | 08/24/22 | EPA 300.0 | |
| Sulfate | 791 | 60.0 | " | " | " | " | " | " | |

Total Dissolved Solids by SM2540C

Date Sampled: **08/16/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|-------------|-----------------|-------|----------|---------|----------|----------|---------|-------|
| Total Dissolved Solids | 1730 | 10.0 | mg/L | 1 | BFH0493 | 08/23/22 | 08/23/22 | SM2540C | I-03 |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Odle BB19-11

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/06/22 09:29

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 BFH0508 - EPA 5030 Soil MS

Blank (BFH0508-BLK1)

Prepared & Analyzed: 08/24/22

| | | | | | | | | | | | |
|---|--------|--------|-------|--------|--|------|--------|--|--|--|--|
| 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> | 0.0366 | | " | 0.0400 | | 91.4 | 50-150 | | | | |
| <i>Surrogate: Toluene-d8</i> | 0.0438 | | " | 0.0400 | | 109 | 50-150 | | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 0.0444 | | " | 0.0400 | | 111 | 50-150 | | | | |

LCS (BFH0508-BS1)

Prepared & Analyzed: 08/24/22

| | | | | | | | | | | | |
|---|--------|--------|-------|--------|--|------|--------|--|--|--|--|
| Benzene | 0.160 | 0.0020 | mg/kg | 0.150 | | 106 | 70-130 | | | | |
| Toluene | 0.163 | 0.0050 | " | 0.150 | | 109 | 70-130 | | | | |
| Ethylbenzene | 0.155 | 0.0050 | " | 0.150 | | 103 | 70-130 | | | | |
| m,p-Xylene | 0.295 | 0.010 | " | 0.300 | | 98.5 | 70-130 | | | | |
| o-Xylene | 0.142 | 0.0050 | " | 0.150 | | 94.9 | 70-130 | | | | |
| 1,2,4-Trimethylbenzene | 0.133 | 0.0050 | " | 0.150 | | 88.8 | 70-130 | | | | |
| 1,3,5-Trimethylbenzene | 0.134 | 0.0050 | " | 0.150 | | 89.2 | 70-130 | | | | |
| Naphthalene | 0.141 | 0.0038 | " | 0.150 | | 94.2 | 70-130 | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 0.0352 | | " | 0.0400 | | 88.0 | 50-150 | | | | |
| <i>Surrogate: Toluene-d8</i> | 0.0436 | | " | 0.0400 | | 109 | 50-150 | | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 0.0418 | | " | 0.0400 | | 104 | 50-150 | | | | |

Matrix Spike (BFH0508-MS1)

Source: 2208299-01

Prepared & Analyzed: 08/24/22

| | | | | | | | | | | | |
|---|--------|--------|-------|--------|----|------|--------|--|--|--|--|
| Benzene | 0.154 | 0.0020 | mg/kg | 0.150 | ND | 103 | 70-130 | | | | |
| Toluene | 0.159 | 0.0050 | " | 0.150 | ND | 106 | 70-130 | | | | |
| Ethylbenzene | 0.148 | 0.0050 | " | 0.150 | ND | 98.9 | 70-130 | | | | |
| m,p-Xylene | 0.286 | 0.010 | " | 0.300 | ND | 95.3 | 70-130 | | | | |
| o-Xylene | 0.136 | 0.0050 | " | 0.150 | ND | 90.8 | 70-130 | | | | |
| 1,2,4-Trimethylbenzene | 0.125 | 0.0050 | " | 0.150 | ND | 83.2 | 70-130 | | | | |
| 1,3,5-Trimethylbenzene | 0.126 | 0.0050 | " | 0.150 | ND | 84.1 | 70-130 | | | | |
| Naphthalene | 0.134 | 0.0038 | " | 0.150 | ND | 89.4 | 70-130 | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 0.0359 | | " | 0.0400 | | 89.8 | 50-150 | | | | |
| <i>Surrogate: Toluene-d8</i> | 0.0441 | | " | 0.0400 | | 110 | 50-150 | | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 0.0427 | | " | 0.0400 | | 107 | 50-150 | | | | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Odle BB19-11

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/06/22 09:29

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 BFH0508 - EPA 5030 Soil MS

Matrix Spike Dup (BFH0508-MSD1)

Source: 2208299-01

Prepared & Analyzed: 08/24/22

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|----|------|--------|-------|----|--|
| Benzene | 0.173 | 0.0020 | mg/kg | 0.150 | ND | 115 | 70-130 | 11.5 | 30 | |
| Toluene | 0.153 | 0.0050 | " | 0.150 | ND | 102 | 70-130 | 4.04 | 30 | |
| Ethylbenzene | 0.147 | 0.0050 | " | 0.150 | ND | 98.3 | 70-130 | 0.588 | 30 | |
| m,p-Xylene | 0.288 | 0.010 | " | 0.300 | ND | 95.9 | 70-130 | 0.649 | 30 | |
| o-Xylene | 0.139 | 0.0050 | " | 0.150 | ND | 92.4 | 70-130 | 1.79 | 30 | |
| 1,2,4-Trimethylbenzene | 0.127 | 0.0050 | " | 0.150 | ND | 84.8 | 70-130 | 1.95 | 30 | |
| 1,3,5-Trimethylbenzene | 0.130 | 0.0050 | " | 0.150 | ND | 86.5 | 70-130 | 2.86 | 30 | |
| Naphthalene | 0.134 | 0.0038 | " | 0.150 | ND | 89.0 | 70-130 | 0.404 | 30 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0349 | | " | 0.0400 | | 87.3 | 50-150 | | | |
| Surrogate: Toluene-d8 | 0.0438 | | " | 0.0400 | | 109 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0412 | | " | 0.0400 | | 103 | 50-150 | | | |

Batch BFH0525 - EPA 5030 Water MS

Blank (BFH0525-BLK1)

Prepared: 08/24/22 Analyzed: 08/25/22

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|--|------|--------|--|--|--|
| 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 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 14.5 | | " | 13.3 | | 109 | 23-173 | | | |
| Surrogate: Toluene-d8 | 13.1 | | " | 13.3 | | 98.3 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 12.7 | | " | 13.3 | | 95.5 | 21-167 | | | |

LCS (BFH0525-BS1)

Prepared: 08/24/22 Analyzed: 08/25/22

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|--|------|--------|--|--|--|
| Benzene | 40.8 | 1.0 | ug/l | 41.7 | | 97.9 | 51-132 | | | |
| Toluene | 35.6 | 1.0 | " | 41.7 | | 85.3 | 51-138 | | | |
| Ethylbenzene | 47.1 | 1.0 | " | 41.7 | | 113 | 58-146 | | | |
| m,p-Xylene | 91.7 | 2.0 | " | 83.3 | | 110 | 57-144 | | | |
| o-Xylene | 44.6 | 1.0 | " | 41.7 | | 107 | 53-146 | | | |
| Naphthalene | 49.9 | 1.0 | " | 41.7 | | 120 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 46.2 | 1.0 | " | 41.7 | | 111 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 46.5 | 1.0 | " | 41.7 | | 112 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 12.7 | | " | 13.3 | | 95.1 | 23-173 | | | |
| Surrogate: Toluene-d8 | 11.4 | | " | 13.3 | | 85.9 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 13.0 | | " | 13.3 | | 97.4 | 21-167 | | | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Odle BB19-11

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/06/22 09:29

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 BFH0525 - EPA 5030 Water MS

Matrix Spike (BFH0525-MS1)

Source: 2208317-01

Prepared: 08/24/22 Analyzed: 08/25/22

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|----|------|--------|--|--|--|
| Benzene | 40.7 | 1.0 | ug/l | 41.7 | ND | 97.8 | 34-141 | | | |
| Toluene | 36.0 | 1.0 | " | 41.7 | ND | 86.4 | 27-151 | | | |
| Ethylbenzene | 48.0 | 1.0 | " | 41.7 | ND | 115 | 29-160 | | | |
| m,p-Xylene | 93.3 | 2.0 | " | 83.3 | ND | 112 | 20-166 | | | |
| o-Xylene | 44.8 | 1.0 | " | 41.7 | ND | 108 | 33-159 | | | |
| Naphthalene | 47.8 | 1.0 | " | 41.7 | ND | 115 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 46.9 | 1.0 | " | 41.7 | ND | 113 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 46.9 | 1.0 | " | 41.7 | ND | 113 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 12.8 | | " | 13.3 | | 95.7 | 23-173 | | | |
| Surrogate: Toluene-d8 | 11.6 | | " | 13.3 | | 86.7 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 12.7 | | " | 13.3 | | 95.3 | 21-167 | | | |

Matrix Spike Dup (BFH0525-MSD1)

Source: 2208317-01

Prepared: 08/24/22 Analyzed: 08/25/22

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|----|------|--------|------|----|--|
| Benzene | 41.3 | 1.0 | ug/l | 41.7 | ND | 99.0 | 34-141 | 1.29 | 30 | |
| Toluene | 40.4 | 1.0 | " | 41.7 | ND | 96.9 | 27-151 | 11.5 | 30 | |
| Ethylbenzene | 45.2 | 1.0 | " | 41.7 | ND | 109 | 29-160 | 5.79 | 30 | |
| m,p-Xylene | 90.7 | 2.0 | " | 83.3 | ND | 109 | 20-166 | 2.86 | 30 | |
| o-Xylene | 44.2 | 1.0 | " | 41.7 | ND | 106 | 33-159 | 1.46 | 30 | |
| Naphthalene | 49.7 | 1.0 | " | 41.7 | ND | 119 | 70-130 | 3.86 | 30 | |
| 1,2,4-Trimethylbenzene | 44.5 | 1.0 | " | 41.7 | ND | 107 | 70-130 | 5.27 | 30 | |
| 1,3,5-Trimethylbenzene | 45.6 | 1.0 | " | 41.7 | ND | 109 | 70-130 | 2.88 | 30 | |
| Surrogate: 1,2-Dichloroethane-d4 | 13.0 | | " | 13.3 | | 97.8 | 23-173 | | | |
| Surrogate: Toluene-d8 | 12.8 | | " | 13.3 | | 96.2 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 12.5 | | " | 13.3 | | 94.1 | 21-167 | | | |

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Odle BB19-11

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 09/06/22 09:29

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 BFH0509 - EPA 3550A

Blank (BFH0509-BLK1)

Prepared: 08/24/22 Analyzed: 08/25/22

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

LCS (BFH0509-BS1)

Prepared: 08/24/22 Analyzed: 08/25/22

| | | | | | | | | | | | |
|---------------|-----|----|-------|-----|------|--------|--|--|--|--|--|
| C10-C28 (DRO) | 496 | 50 | mg/kg | 500 | 99.2 | 70-130 | | | | | |
|---------------|-----|----|-------|-----|------|--------|--|--|--|--|--|

Matrix Spike (BFH0509-MS1)

Source: 2208299-01

Prepared: 08/24/22 Analyzed: 08/25/22

| | | | | | | | | | | | |
|---------------|-----|----|-------|-----|------|------|--------|--|--|--|--|
| C10-C28 (DRO) | 416 | 50 | mg/kg | 500 | 14.8 | 80.3 | 70-130 | | | | |
|---------------|-----|----|-------|-----|------|------|--------|--|--|--|--|

Matrix Spike Dup (BFH0509-MSD1)

Source: 2208299-01

Prepared: 08/24/22 Analyzed: 08/25/22

| | | | | | | | | | | | |
|---------------|-----|----|-------|-----|------|------|--------|-------|----|--|--|
| C10-C28 (DRO) | 420 | 50 | mg/kg | 500 | 14.8 | 81.1 | 70-130 | 0.903 | 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 - Odle BB19-11

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/06/22 09:29

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 BFH0500 - EPA 5030 Soil MS

Blank (BFH0500-BLK1)

Prepared: 08/24/22 Analyzed: 08/25/22

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|--|------|--------|--|--|--|
| 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 | " | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0320 | | " | 0.0333 | | 95.9 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0292 | | " | 0.0333 | | 87.6 | 40-150 | | | |

LCS (BFH0500-BS1)

Prepared: 08/24/22 Analyzed: 08/25/22

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|--|------|--------|--|--|--|
| Acenaphthene | 0.0333 | 0.00500 | mg/kg | 0.0333 | | 99.8 | 31-137 | | | |
| Anthracene | 0.0351 | 0.00500 | " | 0.0333 | | 105 | 30-120 | | | |
| Benzo (a) anthracene | 0.0261 | 0.00500 | " | 0.0333 | | 78.2 | 30-120 | | | |
| Benzo (a) pyrene | 0.0297 | 0.00500 | " | 0.0333 | | 89.0 | 30-120 | | | |
| Benzo (b) fluoranthene | 0.0305 | 0.00500 | " | 0.0333 | | 91.4 | 30-120 | | | |
| Benzo (k) fluoranthene | 0.0374 | 0.00500 | " | 0.0333 | | 112 | 30-120 | | | |
| Chrysene | 0.0309 | 0.00500 | " | 0.0333 | | 92.6 | 30-120 | | | |
| Dibenz (a,h) anthracene | 0.0307 | 0.00500 | " | 0.0333 | | 92.2 | 30-120 | | | |
| Fluoranthene | 0.0371 | 0.00500 | " | 0.0333 | | 111 | 30-120 | | | |
| Fluorene | 0.0325 | 0.00500 | " | 0.0333 | | 97.4 | 30-120 | | | |
| Indeno (1,2,3-cd) pyrene | 0.0272 | 0.00500 | " | 0.0333 | | 81.5 | 30-120 | | | |
| Pyrene | 0.0294 | 0.00500 | " | 0.0333 | | 88.2 | 35-142 | | | |
| 1-Methylnaphthalene | 0.0298 | 0.00500 | " | 0.0333 | | 89.3 | 35-142 | | | |
| 2-Methylnaphthalene | 0.0298 | 0.00500 | " | 0.0333 | | 89.3 | 35-142 | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0312 | | " | 0.0333 | | 93.5 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0354 | | " | 0.0333 | | 106 | 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 - Odle BB19-11

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/06/22 09:29

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 BFH0500 - EPA 5030 Soil MS

| Matrix Spike (BFH0500-MS1) | Source: 2208304-01 | | | Prepared: 08/24/22 Analyzed: 08/25/22 | | | | | | | |
|---|---------------------------|---------|----------|--|----|-------------|---------------|--|--|--|--|
| Acenaphthene | 0.0255 | 0.00500 | mg/kg | 0.0333 | ND | 76.6 | 31-137 | | | | |
| Anthracene | 0.0217 | 0.00500 | " | 0.0333 | ND | 65.1 | 30-120 | | | | |
| Benzo (a) anthracene | 0.0161 | 0.00500 | " | 0.0333 | ND | 48.4 | 30-120 | | | | |
| Benzo (a) pyrene | 0.0175 | 0.00500 | " | 0.0333 | ND | 52.4 | 30-120 | | | | |
| Benzo (b) fluoranthene | 0.0226 | 0.00500 | " | 0.0333 | ND | 67.7 | 30-120 | | | | |
| Benzo (k) fluoranthene | 0.0256 | 0.00500 | " | 0.0333 | ND | 76.8 | 30-120 | | | | |
| Chrysene | 0.0202 | 0.00500 | " | 0.0333 | ND | 60.6 | 30-120 | | | | |
| Dibenz (a,h) anthracene | 0.0139 | 0.00500 | " | 0.0333 | ND | 41.6 | 30-120 | | | | |
| Fluoranthene | 0.0176 | 0.00500 | " | 0.0333 | ND | 52.9 | 30-120 | | | | |
| Fluorene | 0.0238 | 0.00500 | " | 0.0333 | ND | 71.5 | 30-120 | | | | |
| Indeno (1,2,3-cd) pyrene | 0.0158 | 0.00500 | " | 0.0333 | ND | 47.5 | 30-120 | | | | |
| Pyrene | 0.0356 | 0.00500 | " | 0.0333 | ND | 107 | 35-142 | | | | |
| 1-Methylnaphthalene | 0.0192 | 0.00500 | " | 0.0333 | ND | 57.7 | 15-130 | | | | |
| 2-Methylnaphthalene | 0.0216 | 0.00500 | " | 0.0333 | ND | 64.7 | 15-130 | | | | |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0196</i> | | <i>"</i> | <i>0.0333</i> | | <i>58.7</i> | <i>40-150</i> | | | | |
| <i>Surrogate: Fluoranthene-d10</i> | <i>0.0154</i> | | <i>"</i> | <i>0.0333</i> | | <i>46.1</i> | <i>40-150</i> | | | | |

| Matrix Spike Dup (BFH0500-MSD1) | Source: 2208304-01 | | | Prepared: 08/24/22 Analyzed: 08/25/22 | | | | | | | |
|---|---------------------------|---------|----------|--|----|-------------|---------------|--------|----|--|--|
| Acenaphthene | 0.0203 | 0.00500 | mg/kg | 0.0333 | ND | 60.8 | 31-137 | 23.0 | 30 | | |
| Anthracene | 0.0211 | 0.00500 | " | 0.0333 | ND | 63.2 | 30-120 | 2.95 | 30 | | |
| Benzo (a) anthracene | 0.0159 | 0.00500 | " | 0.0333 | ND | 47.7 | 30-120 | 1.61 | 30 | | |
| Benzo (a) pyrene | 0.0191 | 0.00500 | " | 0.0333 | ND | 57.2 | 30-120 | 8.75 | 30 | | |
| Benzo (b) fluoranthene | 0.0226 | 0.00500 | " | 0.0333 | ND | 67.9 | 30-120 | 0.261 | 30 | | |
| Benzo (k) fluoranthene | 0.0269 | 0.00500 | " | 0.0333 | ND | 80.8 | 30-120 | 4.96 | 30 | | |
| Chrysene | 0.0202 | 0.00500 | " | 0.0333 | ND | 60.6 | 30-120 | 0.0181 | 30 | | |
| Dibenz (a,h) anthracene | 0.0156 | 0.00500 | " | 0.0333 | ND | 46.8 | 30-120 | 11.7 | 30 | | |
| Fluoranthene | 0.0194 | 0.00500 | " | 0.0333 | ND | 58.3 | 30-120 | 9.73 | 30 | | |
| Fluorene | 0.0190 | 0.00500 | " | 0.0333 | ND | 56.9 | 30-120 | 22.7 | 30 | | |
| Indeno (1,2,3-cd) pyrene | 0.0158 | 0.00500 | " | 0.0333 | ND | 47.4 | 30-120 | 0.213 | 30 | | |
| Pyrene | 0.0333 | 0.00500 | " | 0.0333 | ND | 100 | 35-142 | 6.52 | 30 | | |
| 1-Methylnaphthalene | 0.0186 | 0.00500 | " | 0.0333 | ND | 55.8 | 15-130 | 3.20 | 50 | | |
| 2-Methylnaphthalene | 0.0189 | 0.00500 | " | 0.0333 | ND | 56.8 | 15-130 | 13.1 | 50 | | |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0189</i> | | <i>"</i> | <i>0.0333</i> | | <i>56.7</i> | <i>40-150</i> | | | | |
| <i>Surrogate: Fluoranthene-d10</i> | <i>0.0169</i> | | <i>"</i> | <i>0.0333</i> | | <i>50.7</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 - Odle BB19-11

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 09/06/22 09:29

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

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

Batch BFH0576 - EPA 3050B

Blank (BFH0576-BLK1)

Prepared: 08/26/22 Analyzed: 08/27/22

Boron ND 0.0100 mg/L

LCS (BFH0576-BS1)

Prepared: 08/26/22 Analyzed: 08/27/22

Boron 5.41 0.0100 mg/L 5.00 108 80-120

Duplicate (BFH0576-DUP1)

Source: 2208304-01

Prepared: 08/26/22 Analyzed: 08/27/22

Boron 0.0966 0.0100 mg/L 0.102 5.44 20

Matrix Spike (BFH0576-MS1)

Source: 2208304-01

Prepared: 08/26/22 Analyzed: 08/27/22

Boron 5.39 0.0100 mg/L 5.00 0.102 106 75-125

Matrix Spike Dup (BFH0576-MSD1)

Source: 2208304-01

Prepared: 08/26/22 Analyzed: 08/27/22

Boron 5.49 0.0100 mg/L 5.00 0.102 108 75-125 1.86 25

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Odle BB19-11

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 09/06/22 09:29

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 BFH0612 - General Preparation

Blank (BFH0612-BLK1)

Prepared: 08/29/22 Analyzed: 08/31/22

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

LCS (BFH0612-BS1)

Prepared: 08/29/22 Analyzed: 08/31/22

| | | | | | | |
|-----------|------|--------|----------|------|------|--------|
| Calcium | 5.18 | 0.0500 | mg/L wet | 5.00 | 104 | 70-130 |
| Magnesium | 4.93 | 0.0500 | " | 5.00 | 98.7 | 70-130 |
| Sodium | 4.69 | 0.0500 | " | 5.00 | 93.8 | 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 - Odle BB19-11

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 09/06/22 09:29

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 BFH0510 - General Preparation

Blank (BFH0510-BLK1)

Prepared & Analyzed: 08/24/22

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

LCS (BFH0510-BS1)

Prepared & Analyzed: 08/24/22

| | | | | | | | | | | |
|----------|------|--------|------|------|------|--------|--|--|--|--|
| Chloride | 2.99 | 0.0600 | mg/L | 3.00 | 99.8 | 90-110 | | | | |
| Sulfate | 15.4 | 0.300 | " | 15.0 | 103 | 90-110 | | | | |

Duplicate (BFH0510-DUP1)

Source: 2208297-01

Prepared & Analyzed: 08/24/22

| | | | | | | | | | | |
|----------|------|------|------|--|------|--|------|----|--|-------|
| Chloride | 82.2 | 12.0 | mg/L | | 94.4 | | 13.8 | 20 | | |
| Sulfate | 214 | 60.0 | " | | 161 | | 28.0 | 20 | | QR-04 |

Matrix Spike (BFH0510-MS1)

Source: 2208297-01

Prepared & Analyzed: 08/24/22

| | | | | | | | | | | |
|----------|------|------|------|------|------|------|--------|--|--|--|
| Chloride | 649 | 12.0 | mg/L | 600 | 94.4 | 92.5 | 80-120 | | | |
| Sulfate | 3310 | 60.0 | " | 3000 | 161 | 105 | 80-120 | | | |

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Odle BB19-11

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 09/06/22 09:29

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 BFH0516 - General Preparation

Duplicate (BFH0516-DUP1)

Source: 2208304-01

Prepared & Analyzed: 08/24/22

| | | | | | | | | | | |
|----------|------|--|---|--|------|--|--|-------|----|--|
| % Solids | 81.6 | | % | | 80.9 | | | 0.789 | 20 | |
|----------|------|--|---|--|------|--|--|-------|----|--|

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Odle BB19-11

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 09/06/22 09:29

Total Dissolved Solids by SM2540C - Quality Control

Summit Scientific

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

Batch BFH0493 - General Preparation

Blank (BFH0493-BLK1)

Prepared & Analyzed: 08/23/22

Total Dissolved Solids ND 10.0 mg/L

Duplicate (BFH0493-DUP1)

Source: 2208290-01

Prepared & Analyzed: 08/23/22

Total Dissolved Solids 1280 10.0 mg/L 1260 2.20 20

Summit Scientific

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 Wellington CO, 80549

Project: Noble - Odle BB19-11

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 09/06/22 09:29

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 BFH0647 - General Preparation

Blank (BFH0647-BLK1)

Prepared: 08/30/22 Analyzed: 08/31/22

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BFH0647-BS1)

Prepared: 08/30/22 Analyzed: 08/31/22

Specific Conductance (EC) 0.158 0.0100 mmhos/cm 0.150 105 95-105

Duplicate (BFH0647-DUP1)

Source: 2208303-01

Prepared: 08/30/22 Analyzed: 08/31/22

Specific Conductance (EC) 3.73 0.0100 mmhos/cm 3.74 0.268 20

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Odle BB19-11

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 09/06/22 09:29

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 BFH0648 - General Preparation

LCS (BFH0648-BS1)

Prepared: 08/30/22 Analyzed: 08/31/22

| | | | | | |
|----|------|----------|------|------|--------|
| pH | 8.93 | pH Units | 9.18 | 97.3 | 95-105 |
|----|------|----------|------|------|--------|

Duplicate (BFH0648-DUP1)

Source: 2208303-01

Prepared: 08/30/22 Analyzed: 08/31/22

| | | | | | |
|----|------|----------|------|-------|----|
| pH | 7.68 | pH Units | 7.67 | 0.130 | 20 |
|----|------|----------|------|-------|----|

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Odle BB19-11

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/06/22 09:29

Notes and Definitions

- QR-04 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- I-03 This sample was recieved and analyzed outside of the recommended holding time.
- 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