

FREMONT ENVIRONMENTAL INC.

February 5, 2024

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

Subject: **Flowline Closure Data Submittal**
Furrow USX AB 15-99HZ
API # 05-123-31249
SESE Sec. 15, T7N, R64W
Weld County, Colorado
Fremont Project No. C024-009
Facility ID #416066, Remediation #30076

Dear Mr. Peterson:

As you requested, Fremont Environmental Inc. (Fremont) personnel conducted Flowline Closure activities for the Noble Energy Inc. (Noble) Furrow USX AB 15-99HZ. Impacted soil was not encountered during abandonment activities. Details of the Furrow USX AB 15-99HZ flowline closure activities are documented in the attached Closure Report. Groundwater was not encountered during flowline abandonment activities.

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

1759 REDWING LANE, BROOMFIELD, CO 80020
(303) 956-8714 (DIRECT)

Flowline Closure Checklist

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

| | | | | | |
|---|--|----------------------|------------------|-------------|--------------------------------------|
| Additional Attachments: | | Tank Battery Closure | Wellhead Closure | Pit Closure | Partially Buried Vault Closure |
| Site Name & COGCC Facility Number: Furrow USX T7N-R64W-S15 L02 Facility: 416214 | | Date: 01/12/2024 | | | Remediation Project #: 30076 |
| Associated Wells: Furrow USX AB 15-99HZ Facility ID: 416066 API: 05-123-31249 | | Age of Site: 2010 | | | Number of Photos Attached: 13 Photos |

Starting point: (GPS coordinates and descriptions) 40.5683527, -104.5270946

End point: (GPS coordinates and descriptions) 40.5663081, -104.5267533

USCS Soil Type: SW Estimated Depth to Groundwater: N/A

Hydrocarbon Impacted Soils / Spills: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)
None observed

Salt Crusted Soils or Impacted Vegetation: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)
None observed

Flowlines

| | | | | | | | |
|--------------------------------------|--|--|--|--|--|--|--|
| Flowline type | Multi Phase | | | | | | |
| Depth | Roughly 3-4ft | | | | | | |
| Age | 2010 | | | | | | |
| Length | 761ft | | | | | | |
| Construction Material | BLK Non-ACM TGF 3" Steel | | | | | | |
| Were flowlines pulled? | Abandoned-in-Place | | | | | | |
| Visual Integrity of lines | No Damage | | | | | | |
| Visual impacts if trenched | N/A | | | | | | |
| PID Readings if trenched | N/A | | | | | | |
| Sample taken? Location/Sample ID# | 99FL01@5.0' 99FL02@4.0' PJPB01@5.0' PJPN01@4.0' | | | | | | |
| Photo Number(s) | Photo 1A-1B, 2A-2E & 3A-3F | | | | | | |

Other observations regarding on location flowlines:
Exceedances in pH and arsenic were discovered at the wellhead tie-in (99FL01@5.0'), separator tie-in (99FL02@4.0'), floor of the pumpjack pit vault excavation (PJPB01@5.0') and north sidewall of the pumpjack pit vault excavation (PJPN01@4.0'). Exceedances in barium were discovered at both the wellhead tie-in (99FL1@5.0') and separator tie-in (99FL02@4.0'). Refer to the inorganic soil chemistry table (Table 3) and metals in soil chemistry table (Table 4) for reference. Additionally, exceedances in pH and barium were discovered in several background samples, and arsenic was found exceeding in all background samples. Thus, these exceedance should be contributed to native soils.

Summary

| | | | | |
|---|--|---|--------------------------------|--|
| Was impacted soil identified? | | No | Yes - less than 10 cubic yards | Yes - more than 10 cubic yards |
| Total number of samples field screened: 3 samples | | Total number of samples collected: 23 samples | | |
| Highest PID Reading: High @ 7.1ppm (99FL01 @5.0') | | Total number of samples submitted to lab for analysis: 20 Samples | | |
| If more than 10 cubic yards of impacted soil were observed: | | | | |
| Vertical extent: N/A | | Estimated spill volume: N/A | | |
| Lateral extent: N/A | | Volume of soil removed: N/A | | |
| Is additional investigation required? N/A | | | | |
| Was groundwater encountered during the investigation? | | | | |
| No | | Yes - not impacted or in contact with impacted soils | | Yes - groundwater impacted and/or in contact with impacted soils |
| Measured depth to groundwater: N/A | | Was remedial groundwater removal conducted? Yes No | | |
| Date Groundwater was encountered: N/A | | Commencement date of removal: N/A | | |
| Sheen on groundwater? Yes No | | Volume of groundwater removed prior to sampling: N/A | | |
| Free product observed? Yes No | | Volume of groundwater removed post sampling: N/A | | |
| Total number of samples collected: N/A | | Total Volume of groundwater removed: N/A | | |
| Total number of samples submitted to lab for analysis: N/A | | | | |

TABLE 1
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
NOBLE ENERGY INC.
FURROW USX AB 15-99HZ, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C024-009

| Sample ID | Sample Date | 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) |
|---|-------------|------------|-----------------|-----------------|-----------------------|-----------------|---------------------------------|---------------------------------|---------------------|-----------------|-----------------|-----------------|
| ECMC Table 915-1 Limits (Residential SSL) | | | 1.2 | 490 | 5.8 | 58 | 30 | 27 | 2 | 500** | | |
| ECMC Table 915-1 Limits (Protection of Groundwater SSL) | | | 0.0026 | 0.69 | 0.78 | 9.9 | 0.0081 | 0.0087 | 0.0038 | 500** | | |
| 99FL01@5.0' | 1/12/2024 | 5.0 Ft | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.50 | 67 | <50 |
| 99FL02@4.0' | 1/12/2024 | 4.0 Ft | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.50 | <50 | <50 |
| PJPB01@5.0' | 1/19/2024 | 5.0 Ft | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.50 | <50 | <50 |
| PJPN01@4.0' | 1/19/2024 | 4.0 Ft | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.50 | <50 | <50 |

Bold faced values exceed the ECMC Table 915-1 concentrations

Red & blue highlighted 915-1 Limits indicate the referenced soil screening level (SSL)

Green highlighted cells indicate soil removed via excavation

* Indicates laboratory minimum detection limit in excess of SSL

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

NA - Not analyzed

TABLE 2
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
NOBLE ENERGY INC.
FURROW USX AB 15-99HZ, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C024-009

| Sample ID | Sample Date | Depth (ft) | 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) | Dibenzo (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) |
|---|-------------|------------|----------------------|--------------------|------------------------------|--------------------------|--------------------------------|--------------------------------|------------------|----------------------------------|----------------------|------------------|----------------------------------|----------------|--------------------------------|-------------------------------|
| ECMC 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 |
| ECMC 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 |
| 99FL01@5.0' | 1/12/2024 | 5.0 Ft | <0.00500 | <0.00500 | 0.00646 | 0.0288 | 0.0359 | 0.00851 | 0.0231 | 0.00507 | 0.0547 | <0.00500 | 0.0234 | 0.0694 | <0.00500 | <0.00500 |
| 99FL02@4.0' | 1/12/2024 | 4.0 Ft | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 |
| PJPB01@5.0' | 1/19/2024 | 5.0 Ft | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 |
| PJPN01@4.0' | 1/19/2024 | 4.0 Ft | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 |

Bold faced values exceed the ECMC Table 915-1 concentrations

Red & blue highlighted 915-1 Limits indicate the referenced soil screening level (SSL)

* Indicates laboratory minimum detection limit in excess of SSL

NA - Not analyzed

Green highlighted cells indicate soil removed via excavation

TABLE 3
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE ENERGY INC.
FURROW USX AB 15-99HZ, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C024-009

| Sample ID | Sample Date | Depth (ft) | pH | EC (mmhos/cm) | SAR | Boron (mg/L) |
|--|-------------|------------|-------------|---------------|-------------|--------------|
| ECMC Table 915-1 Soil Suitability Limits | | | 6 - 8.3 | <4 | <6 | 2 |
| Max. Background Concentration (or Concentration Range) | | | 9.48 | - | - | - |
| 99FL01@5.0' | 1/12/2024 | 5.0 Ft | 8.76 | 0.117 | 0.161 | <2.00 |
| 99FL02@4.0' | 1/12/2024 | 4.0 Ft | 8.66 | 0.116 | 0.191 | <2.00 |
| PJPB01@5.0' | 1/19/2024 | 5.0 Ft | 8.99 | 0.166 | 0.374 | <2.00 |
| PJPN01@4.0' | 1/19/2024 | 4.0 Ft | 8.97 | 0.120 | 0.132 | <2.00 |
| BKG01@6.0" | 1/19/2024 | 0.5 Ft | 7.06 | 0.0367 | 0.0231 | <2.00 |
| BKG01@4.0' | 1/19/2024 | 4.0 Ft | 7.90 | 0.0673 | 0.130 | <2.00 |
| BKG01@5.0' | 1/19/2024 | 5.0 Ft | 8.15 | 0.262 | 1.35 | <2.00 |
| BKG02@6.0" | 1/19/2024 | 0.5 Ft | 7.12 | 0.0334 | 0.0286 | <2.00 |
| BKG02@4.0' | 1/19/2024 | 4.0 Ft | 9.27 | 0.164 | 0.815 | <2.00 |
| BKG02@5.0' | 1/19/2024 | 5.0 Ft | 8.68 | 0.126 | 0.741 | <2.00 |
| BKG03@6.0" | 1/19/2024 | 0.5 Ft | 6.23 | 0.0480 | 0.0351 | <2.00 |
| BKG03@4.0' | 1/19/2024 | 4.0 Ft | 8.73 | 0.621 | 4.32 | <2.00 |
| BKG03@5.0' | 1/19/2024 | 5.0 Ft | 9.16 | 0.458 | 5.84 | <2.00 |
| BKG04@6.0" | 1/19/2024 | 0.5 Ft | 8.77 | 0.0556 | 0.0501 | <2.00 |
| BKG04@4.0' | 1/19/2024 | 4.0 Ft | 8.82 | 0.0892 | 0.0519 | <2.00 |
| BKG04@5.0' | 1/19/2024 | 5.0 Ft | 8.91 | 0.0854 | 0.0909 | <2.00 |
| BKG05@6.0" | 1/19/2024 | 0.5 Ft | 7.56 | 0.0428 | 0.142 | <2.00 |
| BKG05@4.0' | 1/19/2024 | 4.0 Ft | 9.48 | 0.375 | 0.845 | <2.00 |
| BKG05@5.0' | 1/19/2024 | 5.0 Ft | 8.91 | 0.997 | 6.33 | <2.00 |
| 99BKG06@5.0' | 1/12/2024 | 5.0 Ft | 9.31 | 0.142 | 0.491 | <2.00 |

Bold faced, yellow highlighted values exceed the ECMC Table 915-1 concentrations

Green highlighted cells indicate soil removed via excavation

Orange highlighted cells exceed of the maximum background concentration, or concentration range

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

NA - Not analyzed

Local Background Samples (BKG01, BKG02, BKG03, BKG04, BKG05, BKG06)

TABLE 4
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE ENERGY INC.
FURROW USX AB 15-99HZ, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C024-009

| Sample ID | Sample Date | Depth (ft) | Arsenic (mg/kg) | Barium (mg/kg) | Cadmium (mg/kg) | Chromium (VI) (mg/kg) | Copper (mg/kg) | Lead (mg/kg) | Nickel (mg/kg) | Selenium (mg/kg) | Silver (mg/kg) | Zinc (mg/kg) |
|---|-------------|------------|-----------------|----------------|-----------------|-----------------------|----------------|--------------|----------------|------------------|----------------|--------------|
| ECMC Table 915-1 Limits (Residential SSL) | | | 0.68 | 15000 | 71 | 0.3 | 3100 | 400 | 1500 | 390 | 390 | 23000 |
| ECMC Table 915-1 Limits (Protection of Groundwater SSL) | | | 0.29 | 82 | 0.38 | 0.00067 | 46 | 14 | 26 | 0.26 | 0.8 | 370 |
| 125% Max. Background Concentration | | | 8.52 | 217 | - | - | - | - | - | - | - | - |
| 99FL01@5.0' | 1/12/2024 | 5.0 Ft | 2.42 | 207 | <0.200 | <0.30 | 3.63 | 4.06 | 2.91 | <0.260 | <0.0200 | 10.6 |
| 99FL02@4.0' | 1/12/2024 | 4.0 Ft | 2.34 | 85.1 | <0.200 | <0.30 | 4.63 | 8.12 | 3.01 | <0.260 | 0.0395 | 18.8 |
| PJPB01@5.0' | 1/19/2024 | 5.0 Ft | 2.35 | 45.2 | <0.200 | <0.30 | 2.90 | 5.45 | 2.89 | <0.260 | <0.0200 | 11.6 |
| PJPN01@4.0' | 1/19/2024 | 4.0 Ft | 2.43 | 27.5 | <0.200 | <0.30 | 2.46 | 4.12 | 2.79 | <0.260 | <0.0200 | 10.2 |
| BKG01@6.0" | 1/19/2024 | 0.5 Ft | 1.63 | 39.4 | <0.200 | <0.30 | 2.73 | 4.97 | 2.48 | <0.260 | <0.0200 | 11.3 |
| BKG01@4.0' | 1/19/2024 | 4.0 Ft | 6.82 | 90.5 | 0.573 | <0.30 | 9.49 | 16.5 | 6.38 | 0.471 | 0.0852 | 24.5 |
| BKG01@5.0' | 1/19/2024 | 5.0 Ft | 5.36 | 108 | 0.749 | <0.30 | 6.29 | 16.0 | 7.79 | 0.555 | 0.103 | 19.2 |
| BKG02@6.0" | 1/19/2024 | 0.5 Ft | 2.52 | 46.2 | 0.259 | <0.30 | 4.19 | 9.08 | 3.41 | <0.260 | 0.0330 | 16.5 |
| BKG02@4.0' | 1/19/2024 | 4.0 Ft | 3.60 | 54.7 | 0.262 | <0.30 | 6.59 | 10.5 | 6.15 | <0.260 | 0.0436 | 27.7 |
| BKG02@5.0' | 1/19/2024 | 5.0 Ft | 3.53 | 58.0 | 0.274 | <0.30 | 6.05 | 9.80 | 4.04 | <0.260 | 0.0423 | 21.0 |
| BKG03@6.0" | 1/19/2024 | 0.5 Ft | 1.91 | 26.6 | <0.200 | <0.30 | 3.58 | 6.43 | 2.88 | <0.260 | 0.0246 | 13.6 |
| BKG03@4.0' | 1/19/2024 | 4.0 Ft | 6.21 | 101 | 0.409 | <0.30 | 9.31 | 15.2 | 6.92 | 0.388 | 0.0451 | 31.5 |
| BKG03@5.0' | 1/19/2024 | 5.0 Ft | 2.25 | 86.8 | 0.287 | <0.30 | 11.4 | 13.7 | 4.76 | <0.260 | 0.0586 | 20.7 |
| BKG04@6.0" | 1/19/2024 | 0.5 Ft | 3.69 | 77.4 | 0.274 | <0.30 | 4.97 | 8.79 | 5.66 | <0.260 | 0.0362 | 19.7 |
| BKG04@4.0' | 1/19/2024 | 4.0 Ft | 2.81 | 63.1 | <0.200 | <0.30 | 3.47 | 4.94 | 3.44 | <0.260 | 0.0246 | 12.1 |
| BKG04@5.0' | 1/19/2024 | 5.0 Ft | 2.19 | 174 | <0.200 | <0.30 | 2.72 | 4.45 | 3.00 | <0.260 | <0.0200 | 11.5 |
| BKG05@6.0" | 1/19/2024 | 0.5 Ft | 2.81 | 51.5 | 0.233 | <0.30 | 4.40 | 7.86 | 4.54 | <0.260 | 0.0406 | 16.7 |
| BKG05@4.0' | 1/19/2024 | 4.0 Ft | 3.17 | 48.4 | <0.200 | <0.30 | 3.68 | 5.30 | 3.77 | <0.260 | <0.0200 | 12.9 |
| BKG05@5.0' | 1/19/2024 | 5.0 Ft | 3.24 | 65.4 | 0.202 | <0.30 | 3.63 | 5.51 | 3.80 | 0.328 | 0.0265 | 13.4 |
| 99BKG06@5.0' | 1/12/2024 | 5.0 Ft | 2.50 | 38.6 | <2.00 | <0.30 | 2.75 | 4.89 | 3.18 | <0.260 | <0.0200 | 12.2 |

Bold faced values exceed the ECMC Table 915-1 concentrations

Red & blue highlighted 915-1 Limits indicate the referenced soil screening level (SSL)

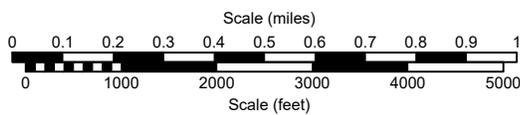
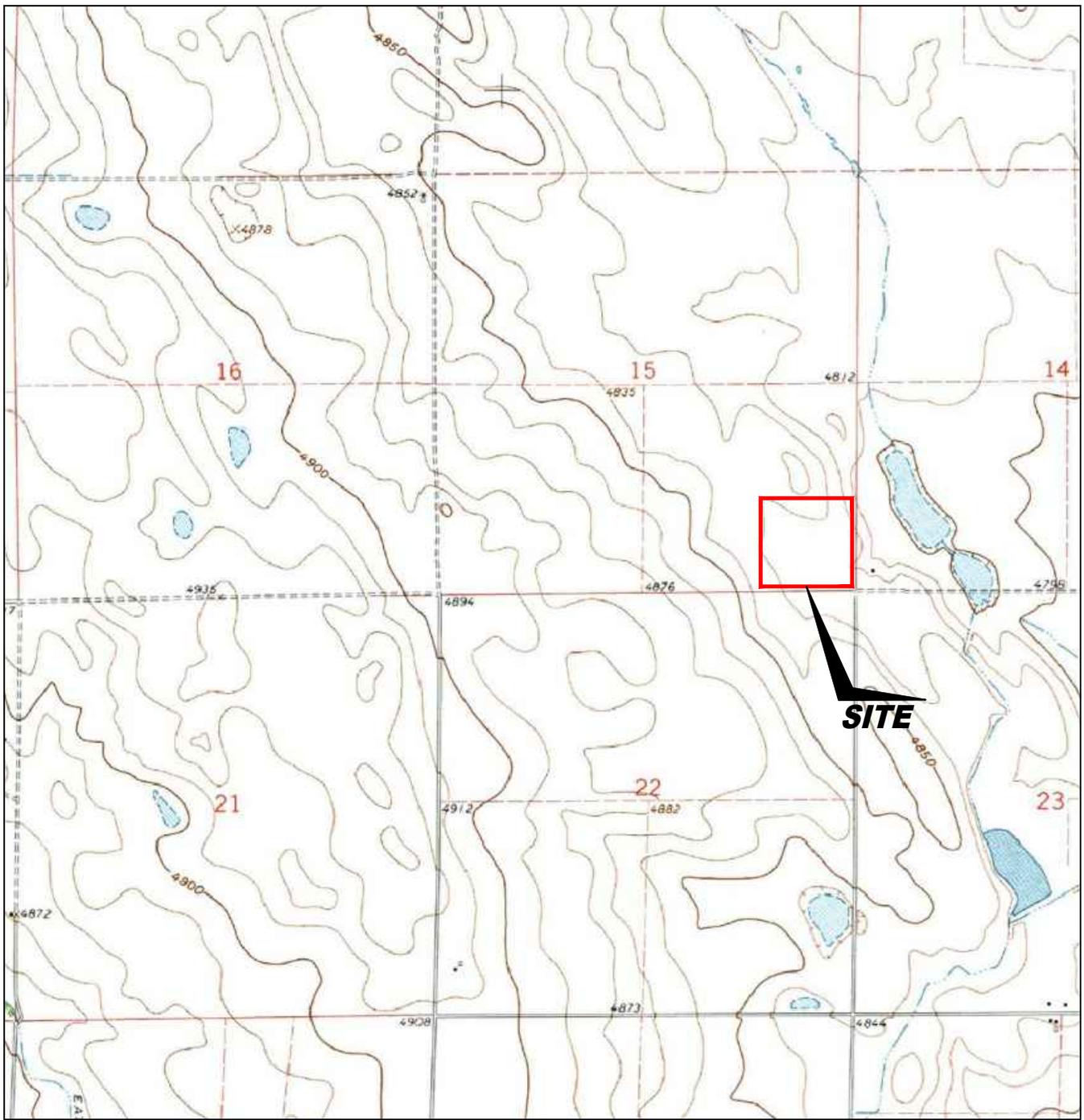
Orange highlighted cells exceed 125% of the maximum background concentration

* Indicates laboratory minimum detection limit in excess of SSL

Green highlighted cells indicate soil removed via excavation

NA - Not analyzed

Local Background Samples (BKG01, BKG02, BKG03, BKG04, BKG05, BKG06)

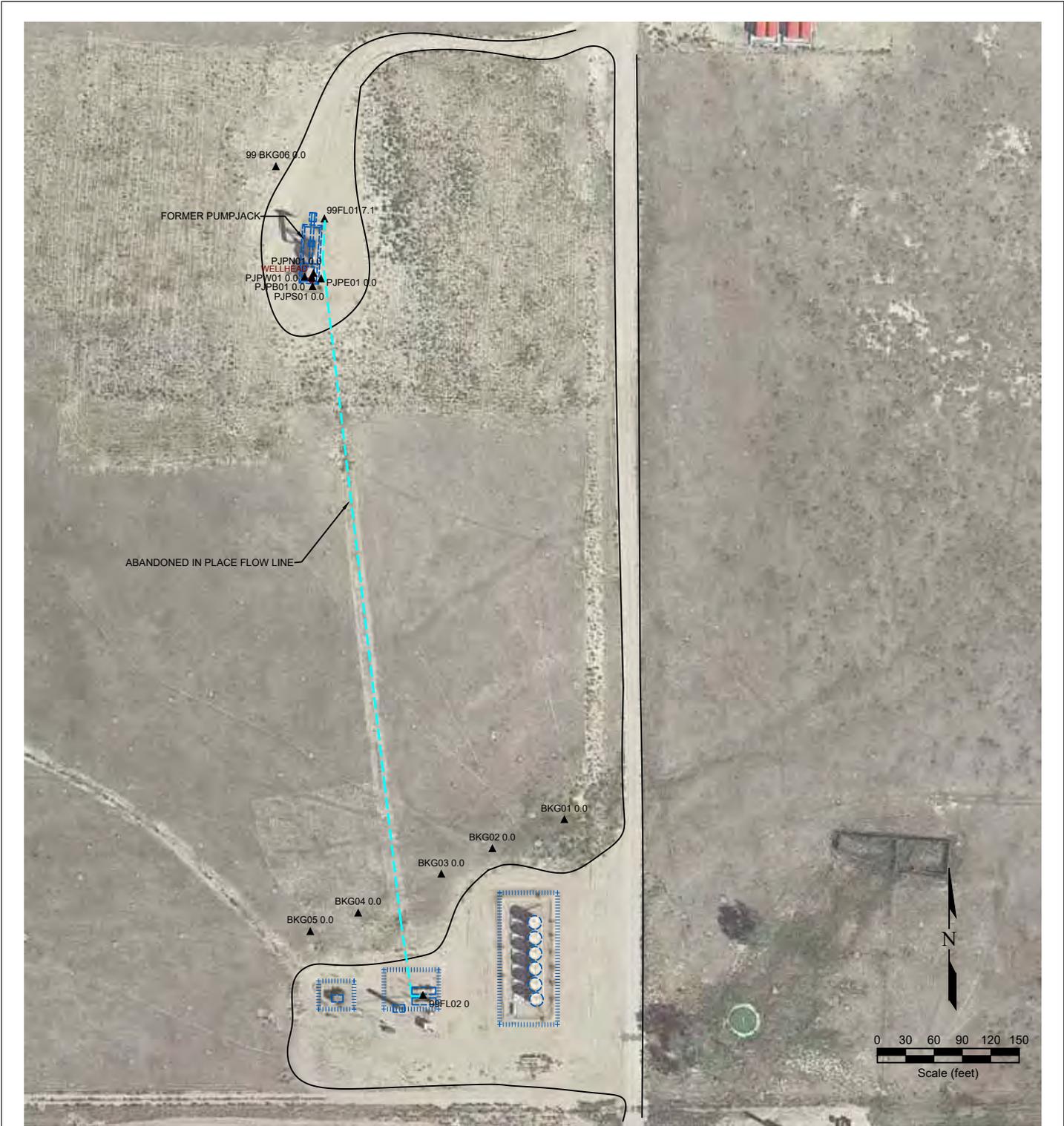


USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)

Figure 1
SITE LOCATION MAP
NOBLE ENERGY INC ~ FURROW USX AB15-99HZ

SESE Sec. 15, T7N, R64W, 6th PM
 Weld County, Colorado
 40.568360°, -104.527110°

| | | | |
|------------------------------|-------------------------------|---------------------------|---|
| Project # C024-009 | API # 123-31249 | Facility # |  |
| Date 5/21/24 | Remediation # 30076 | Filename 24009T | |



LEGEND

- WELL HEAD LOCATION
- ▲ PID READING LOCATION
- AS ABOVE GROUND STORAGE TANK
- FORMER FACILITY
- ABANDONED IN PLACE FLOW LINE
- FENCE LINE
- CONTAINMENT BERM
- CONTAINMENT WALL

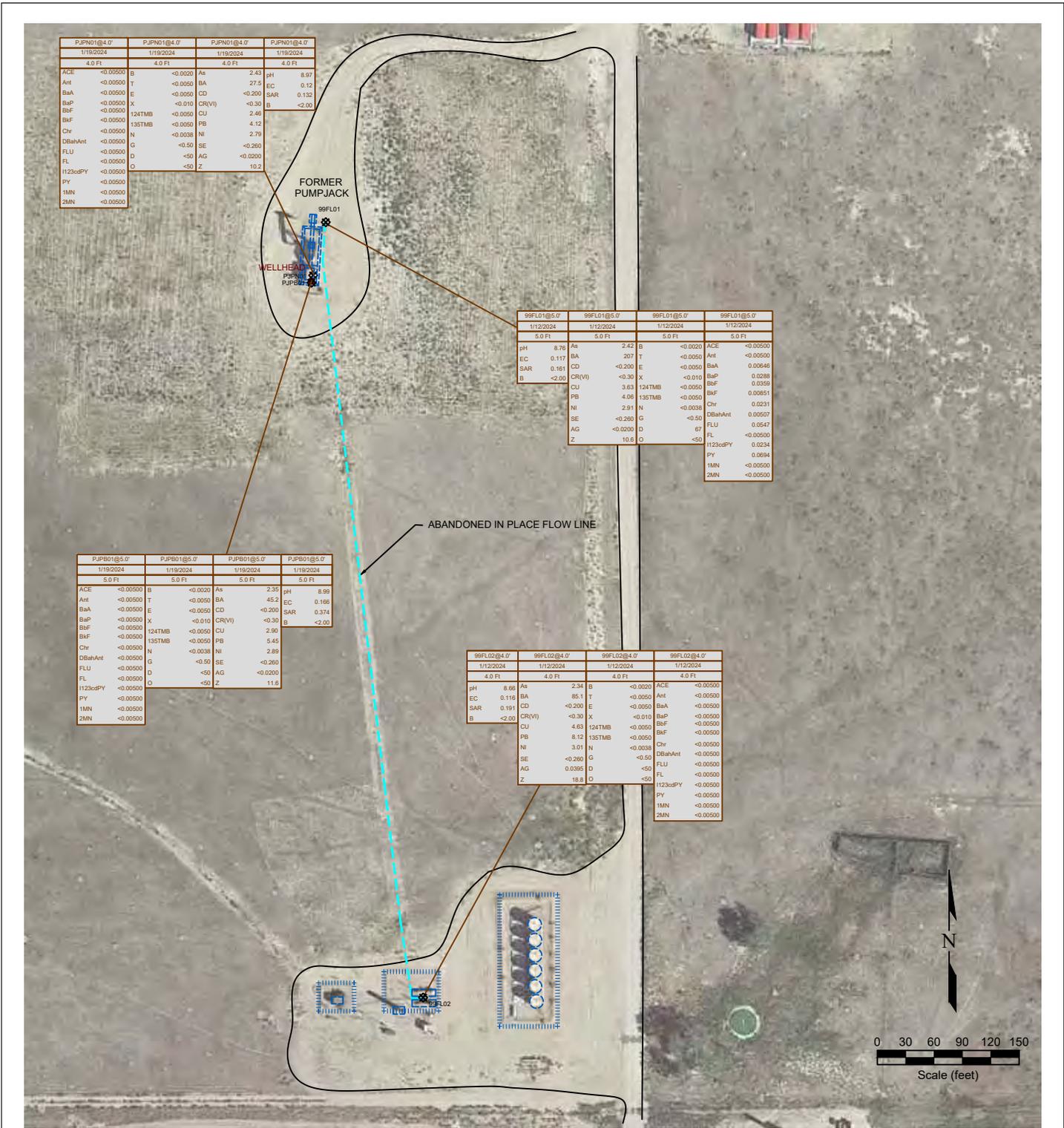
| SAMPLE ID | SAMPLE ID | SAMPLE ID | SAMPLE ID |
|------------|----------------------------------|------------|--------------------------------|
| DATE | DATE | DATE | DATE |
| DEPTH (ft) | DEPTH (ft) | DEPTH (ft) | DEPTH (ft) |
| ACE | ACENAPHTHENE (mg/kg) | B | BENZENE (mg/kg) |
| AN | ANTHRACENE (mg/kg) | E | ETHYLBENZENE (mg/kg) |
| BA | BENZO (A) ANTHRACENE (mg/kg) | X | TOTAL XYLENES (mg/kg) |
| BaP | BENZO (A) PYRENE (mg/kg) | 124TMB | 1,2,4-TRIMETHYLBENZENE (mg/kg) |
| BF | BENZO (B) FLUORANTHENE (mg/kg) | 133TMB | 1,3,5-TRIMETHYLBENZENE (mg/kg) |
| BKF | BENZO (K) FLUORANTHENE (mg/kg) | N | NAPHTHALENE (mg/kg) |
| Ch | CHRYSENE (mg/kg) | G | TPH-GRO (mg/kg) |
| DbaA | DIBENZO (A,H) ANTHRACENE (mg/kg) | D | TPH-CRO (mg/kg) |
| FLU | FLUORANTHENE (mg/kg) | D | TPH-CRO (mg/kg) |
| FL | FLUORENE (mg/kg) | | |
| 1,2,3-c-PY | 1,2,3-CYCLOPYRENE (mg/kg) | | |
| PY | PYRENE (mg/kg) | | |
| 1MN | 1-METHYLNAPHTHALENE (mg/kg) | | |
| 2MN | 2-METHYLNAPHTHALENE (mg/kg) | | |

**Figure 2
SITE MAP
NOBLE ENERGY INC ~ FURROW USX AB15-99HZ**

SESE Sec. 15, T7N, R64W, 6th PM
Weld County, Colorado
40.568360°, -104.527110°

| | | |
|--------------------------------|-------------------------------|---------------------------|
| Project No. C024-009 | API # 05-123-31249 | Facility # |
| Date 5/29/24 | Remediation # 30076 | Filename 24009Q |





| PJP01@4.0' | | PJP01@4.0' | | PJP01@4.0' | | PJP01@4.0' | |
|------------|---------|------------|---------|------------|---------|------------|-------|
| 1/19/2024 | | 1/19/2024 | | 1/19/2024 | | 1/19/2024 | |
| 4.0 FT | | 4.0 FT | | 4.0 FT | | 4.0 FT | |
| ACE | <0.0050 | B | <0.0020 | As | 2.43 | pH | 8.97 |
| Ant | <0.0050 | T | <0.0050 | BA | 27.5 | EC | 0.12 |
| BaA | <0.0050 | E | <0.0050 | CD | <0.200 | SAR | 0.133 |
| BaP | <0.0050 | X | <0.010 | CR(VI) | <0.30 | B | <2.00 |
| BaF | <0.0050 | 124TMB | <0.0050 | CU | 2.46 | | |
| Chr | <0.0050 | 135TMB | <0.0050 | PB | 4.12 | | |
| DBaHant | <0.0050 | N | <0.0038 | NI | 2.79 | | |
| FLU | <0.0050 | D | <0.50 | SE | <0.200 | | |
| FL | <0.0050 | O | <50 | AG | <0.0200 | | |
| 1123cdPY | <0.0050 | D | <50 | Z | 10.2 | | |
| PY | <0.0050 | | | | | | |
| 1MN | <0.0050 | | | | | | |
| 2MN | <0.0050 | | | | | | |

| 99FL01@5.0' | | 99FL01@5.0' | | 99FL01@5.0' | | 99FL01@5.0' | |
|-------------|---------|-------------|---------|-------------|---------|-------------|----------|
| 1/12/2024 | | 1/12/2024 | | 1/12/2024 | | 1/12/2024 | |
| 5.0 FT | | 5.0 FT | | 5.0 FT | | 5.0 FT | |
| pH | 8.76 | As | 2.42 | B | <0.0020 | ACE | <0.0050 |
| EC | 0.117 | BA | 207 | T | <0.0050 | Ant | <0.0050 |
| SAR | 0.181 | CD | <0.200 | E | <0.0050 | BaA | 0.00648 |
| B | <2.00 | CR(VI) | <0.30 | X | <0.010 | BaP | 0.0288 |
| CU | 3.63 | 124TMB | <0.0050 | | | BaF | 0.0359 |
| PB | 4.06 | 135TMB | <0.0050 | | | BaF | 0.03651 |
| NI | 2.91 | N | <0.0038 | | | Chr | 0.0231 |
| SE | <0.200 | G | <0.50 | | | DBaHant | 0.00507 |
| AG | <0.0200 | D | <50 | | | FLU | 0.0547 |
| Z | 10.8 | O | <50 | | | FL | <0.00500 |
| | | | | | | 1123cdPY | 0.0234 |
| | | | | | | PY | 0.0694 |
| | | | | | | 1MN | <0.00500 |
| | | | | | | 2MN | <0.00500 |

| PJP01@5.0' | | PJP01@5.0' | | PJP01@5.0' | | PJP01@5.0' | |
|------------|---------|------------|---------|------------|---------|------------|-------|
| 1/19/2024 | | 1/19/2024 | | 1/19/2024 | | 1/19/2024 | |
| 5.0 FT | | 5.0 FT | | 5.0 FT | | 5.0 FT | |
| ACE | <0.0050 | B | <0.0020 | As | 2.35 | pH | 8.99 |
| Ant | <0.0050 | T | <0.0050 | BA | 45.2 | EC | 0.166 |
| BaA | <0.0050 | E | <0.0050 | CD | <0.200 | SAR | 0.374 |
| BaP | <0.0050 | X | <0.010 | CR(VI) | <0.30 | B | <2.00 |
| BaF | <0.0050 | 124TMB | <0.0050 | CU | 2.90 | | |
| Chr | <0.0050 | 135TMB | <0.0050 | PB | 5.45 | | |
| DBaHant | <0.0050 | N | <0.0038 | NI | 2.89 | | |
| FLU | <0.0050 | G | <0.50 | SE | <0.200 | | |
| FL | <0.0050 | O | <50 | AG | <0.0200 | | |
| 1123cdPY | <0.0050 | D | <50 | Z | 11.6 | | |
| PY | <0.0050 | | | | | | |
| 1MN | <0.0050 | | | | | | |
| 2MN | <0.0050 | | | | | | |

| 99FL02@4.0' | | 99FL02@4.0' | | 99FL02@4.0' | | 99FL02@4.0' | |
|-------------|--------|-------------|---------|-------------|---------|-------------|----------|
| 1/12/2024 | | 1/12/2024 | | 1/12/2024 | | 1/12/2024 | |
| 4.0 FT | | 4.0 FT | | 4.0 FT | | 4.0 FT | |
| pH | 8.99 | As | 2.34 | B | <0.0020 | ACE | <0.0050 |
| EC | 0.116 | BA | 85.1 | T | <0.0050 | Ant | <0.0050 |
| SAR | 0.191 | CD | <0.200 | E | <0.0050 | BaA | <0.00500 |
| B | <2.00 | CR(VI) | <0.30 | X | <0.010 | BaP | <0.00500 |
| CU | 4.83 | 124TMB | <0.0050 | | | BaF | <0.00500 |
| PB | 8.12 | 135TMB | <0.0050 | | | BaF | <0.00500 |
| NI | 3.01 | N | <0.0038 | | | Chr | <0.00500 |
| SE | <0.200 | G | <0.50 | | | DBaHant | <0.00500 |
| AG | 0.0395 | D | <50 | | | FLU | <0.00500 |
| Z | 18.8 | O | <50 | | | FL | <0.00500 |
| | | | | | | 1123cdPY | <0.00500 |
| | | | | | | PY | <0.00500 |
| | | | | | | 1MN | <0.00500 |
| | | | | | | 2MN | <0.00500 |

LEGEND

- WELL HEAD LOCATION
- ⊗ SOIL SAMPLE LOCATION
- AS ABOVE GROUND STORAGE TANK
- FORMER FACILITY
- ABANDONED IN PLACE FLOW LINE
- FENCE LINE
- CONTAINMENT BERM
- CONTAINMENT WALL

| SAMPLE ID | SAMPLE ID | SAMPLE ID | SAMPLE ID | SAMPLE ID | SAMPLE ID |
|------------|------------|---------------------------------|------------|------------|------------------|
| DATE | DATE | DATE | DATE | DATE | DATE |
| DEPTH (ft) | DEPTH (ft) | DEPTH (ft) | DEPTH (ft) | DEPTH (ft) | DEPTH (ft) |
| ACE | <0.0050 | ACENAPHTHENE (mg/kg) | As | <0.01 | ARSENIC (mg/kg) |
| Ant | <0.0050 | ANTHRACENE (mg/kg) | BA | <0.01 | BARIUM (mg/kg) |
| BaA | <0.0050 | BENZO (A) ANTHRACENE (mg/kg) | CD | <0.01 | CADMIUM (mg/kg) |
| BaP | <0.0050 | BENZO (A) PYRENE (mg/kg) | CR(VI) | <0.01 | CHROMIUM (mg/kg) |
| BaF | <0.0050 | BENZO (K) FLUORANTHENE (mg/kg) | CU | <0.01 | COPPER (mg/kg) |
| Chr | <0.0050 | CHRYSENE (mg/kg) | EC | <0.01 | LEAD (mg/kg) |
| DBaHant | <0.0050 | DIBENZ(A,H) ANTHRACENE (mg/kg) | NI | <0.01 | NICKEL (mg/kg) |
| FLU | <0.0050 | FLUORANTHENE (mg/kg) | SE | <0.01 | SELENIUM (mg/kg) |
| FL | <0.0050 | FLUORENE (mg/kg) | AG | <0.01 | SILVER (mg/kg) |
| 1123cdPY | <0.0050 | 1,2,3,4-DIBENZO(PYRENE) (mg/kg) | Z | <0.01 | ZINC (mg/kg) |
| PY | <0.0050 | 1-METHYLNAPHTHALENE (mg/kg) | | | |
| 1MN | <0.0050 | 1-METHYLNAPHTHALENE (mg/kg) | | | |
| 2MN | <0.0050 | 2-METHYLNAPHTHALENE (mg/kg) | | | |

Figure 3
SOIL CHEMISTRY MAP
NOBLE ENERGY INC ~ FURROW USX AB15-99HZ

SESE Sec. 15, T7N, R64W, 6th PM
 Weld County, Colorado
 40.568360°, -104.527110°

| | | |
|--------------------------------|-------------------------------|---------------------------|
| Project No. C024-009 | API # 05-123-31249 | Facility # |
| Date 5/29/24 | Remediation # 30076 | Filename 24009Q |



Photo Log



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Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

February 05, 2024

Paul Henchan

Fremont Environmental

PO Box 1289

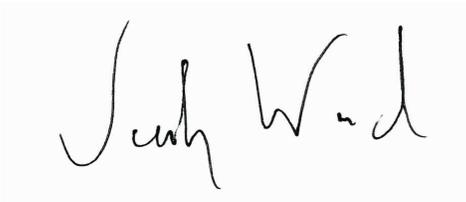
Wellington, CO 80549

RE: Noble - Furrow USX AB 15-99Hz

Work Order #2401330

Enclosed are the results of analyses for samples received by Summit Scientific on 01/19/24 14:01. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink that reads "Jacob Wood". The signature is written in a cursive style with a large initial "J" and a distinct "W".

Jacob Wood For Paul Shrewsbury

President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
02/05/24 16:55

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-------------|---------------|--------|----------------|----------------|
| 99FL01@5.0' | 2401330-01 | Soil | 01/12/24 00:00 | 01/19/24 14:01 |
| 99FL02@4.0' | 2401330-02 | Soil | 01/12/24 00:00 | 01/19/24 14:01 |
| PJPB01@5.0' | 2401330-03 | Soil | 01/12/24 00:00 | 01/19/24 14:01 |
| PJPN01@4.0' | 2401330-04 | Soil | 01/12/24 00:00 | 01/19/24 14:01 |

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

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

| | |
|---------|---------------------------|
| Lab ID | Page <u>1</u> of <u>1</u> |
| 2401330 | |

| | | |
|----------------------------|---|---|
| | Send Data To: | Send Invoice To: |
| Client: <u>Fremont Env</u> | Project Manager: <u>Paul Henehan</u> | Company: <u>Noble</u> |
| Address: | E-Mail: <u>Paulh@fremontenv.com</u> | Project Name/Location: <u>Furrow USX AB 15-99HZ</u> |
| City/State/Zip: | <u>Jeffg@fremontenv.com Ethank@fremontenv.com</u> | AFE#: |
| Phone: | Project Name: <u>Furrow USX AB 15-99HZ</u> | PO/Billing Codes: <u>UWRWE-A2542-ABN</u> |
| Sampler Name: <u>JG</u> | Project Number: | Contact: |

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | Air-Canister # | Other | Analysis Requested | | | | | | Special Instructions |
|----|--------------------|--------------|--------------|-----------------|--------------|------|------|-------|--------|------|----------------|-------|--------------------|------------|-------------|------------|---------------------|--------------|----------------------|
| | | | | | HCl | HNO3 | None | Other | Water | Soil | | | BTEX+N | TMBs (915) | DRO,ORO,GRO | PAHs (915) | EC,PT,SAR, BACON | Metals (915) | |
| 1 | 99FL01@5.0' | 01/12/24 | | 2 | | | X | | | X | | | X | X | X | X | X | X | |
| 2 | 99FL02@4.0' | 01/12/24 | | ↓ | | | | | | | | | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | |
| 3 | PJPB01@5.0' | 01/19/24 | | ↓ | | | | | | | | | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | |
| 4 | PJPN01@4.0' | 01/19/24 | | ↓ | | | | | | | | | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | |
| 5 | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | |

| | | | | | | |
|--------------------------------------|----------------------------|---------------------------------|---------------------------------|-------------------|---|------------------------------------|
| Relinquished by: <u>JG</u> | Date/Time: <u>01/19/24</u> | Received by: <u>[Signature]</u> | Date/Time: <u>1/19/24 14:01</u> | TAT Business Days | Field DO | Notes: Bill to Noble |
| | | | | Same Day | Field EC | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | 1 Day | Field ORP | |
| | | | | 2 Days | Field pH | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | 3 Days | Field Temp. | |
| | | | | Standard | <input checked="" type="checkbox"/> Field Turb. | |
| Temperature Upon Receipt: <u>5.4</u> | Corrected Temperature | IR gun #: <u>2</u> | HNO3 lot #: | | | |

S₂

Sample Receipt Checklist

S2 Work Order# 2401330Client: Fremont Client Project ID: Furrow USX AB 15-99HZShipped Via: H.D./P.U./FedEx/UPS/USPS/Other Airbill #: _____ Matrix (Check all that apply) Air Soil/Solid Water Other Temp (°C) Thermometer #

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

Additional Comments (if any):⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.Mikayla Axtell

Custodian Printed Name

1/19/24 14:01

Date/Time



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
02/05/24 16:55

99FL01@5.0'
2401330-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BHA0722 | 01/22/24 | 01/23/24 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | 0.0423 | 106 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0392 | 98.1 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.0388 | 97.1 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|-----------|-----------------|--------------|----------|----------------|-----------------|-----------------|------------------|-------|
| C10-C28 (DRO) | 67 | 50 | mg/kg | 1 | BHA0723 | 01/22/24 | 01/23/24 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | 7.42 | 59.4 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
02/05/24 16:55

99FL01@5.0'
2401330-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------------|----------------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BHA0752 | 01/22/24 | 01/23/24 | EPA 8270D SIM | |
| Anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) pyrene | 0.0288 | 0.00500 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | 0.0359 | 0.00500 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | 0.00851 | 0.00500 | " | " | " | " | " | " | |
| Chrysene | 0.0231 | 0.00500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | 0.00507 | 0.00500 | " | " | " | " | " | " | |
| Fluoranthene | 0.0547 | 0.00500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | 0.0234 | 0.00500 | " | " | " | " | " | " | |
| Pyrene | 0.0694 | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0515 | 155 % | 40-150 | | " | " | " | " | S-02 |
| Surrogate: Fluoranthene-d10 | 0.0288 | 86.5 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | ND | 2.00 | mg/L | 1 | BHA0771 | 01/23/24 | 01/24/24 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------|-------------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 2.42 | 0.200 | mg/kg dry | 1 | BHA0758 | 01/22/24 | 01/24/24 | EPA 6020B | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
02/05/24 16:55

99FL01@5.0'
2401330-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|-------|
| Barium | 207 | 0.400 | mg/kg dry | 1 | BHA0758 | 01/22/24 | 01/24/24 | EPA 6020B | |
| Cadmium | ND | 0.200 | " | " | " | " | " | " | |
| Copper | 3.63 | 0.400 | " | " | " | " | " | " | |
| Lead | 4.06 | 0.200 | " | " | " | " | " | " | |
| Nickel | 2.91 | 0.400 | " | " | " | " | " | " | |
| Silver | ND | 0.0200 | " | " | " | " | " | " | |
| Zinc | 10.6 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BHA0748 | 01/22/24 | 01/22/24 | EPA 7196A | |

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

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 32.0 | 0.0500 | mg/L dry | 1 | BHA0781 | 01/23/24 | 01/25/24 | EPA 6020B | |
| Magnesium | 5.32 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 3.73 | 0.0500 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.161 | 0.00100 | units | 1 | BHA0905 | 01/25/24 | 01/25/24 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/12/24 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 - Furrow USX AB 15-99Hz
 Project Number: UWRWE-A2542-ABN
 Project Manager: Paul Henchan

Reported:
 02/05/24 16:55

99FL01@5.0'
2401330-01 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

| | | | | | | | |
|-----------------|-------------|---|---|---------|----------|----------|-------------|
| % Solids | 93.6 | % | 1 | BHA0717 | 01/22/24 | 01/23/24 | Calculation |
|-----------------|-------------|---|---|---------|----------|----------|-------------|

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.117 | 0.0100 | mmhos/cm | 1 | BHA0832 | 01/24/24 | 01/24/24 | EPA 120.1 | |

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

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.76 | | pH Units | 1 | BHA0831 | 01/24/24 | 01/24/24 | 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 - Furrow USX AB 15-99Hz
 Project Number: UWRWE-A2542-ABN
 Project Manager: Paul Henchan

Reported:
 02/05/24 16:55

99FL01@5.0'
2401330-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

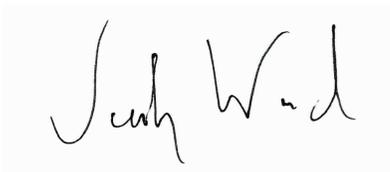
Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|----------------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Benzo (a) anthracene | 0.00646 | 0.00500 | mg/kg | 1 | BHA1096 | 01/22/24 | 01/31/24 | EPA 8270D SIM | |

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0182 | 54.7 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0195 | 58.4 % | 40-150 | | " | " | " | " | |

Summit Scientific



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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz
Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
02/05/24 16:55

99FL02@4.0'
2401330-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BHA0722 | 01/22/24 | 01/23/24 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | 0.0430 | 107 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0400 | 99.9 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.0382 | 95.6 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BHA0723 | 01/22/24 | 01/23/24 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | 7.01 | 56.0 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz
Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
02/05/24 16:55

99FL02@4.0'
2401330-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BHA0752 | 01/22/24 | 01/23/24 | EPA 8270D SIM | |
| Anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Chrysene | ND | 0.00500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0228 | 68.4 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0261 | 78.4 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | ND | 2.00 | mg/L | 1 | BHA0771 | 01/23/24 | 01/24/24 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/12/24 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 - Furrow USX AB 15-99Hz
Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
02/05/24 16:55

99FL02@4.0'
2401330-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 2.34 | 0.200 | mg/kg dry | 1 | BHA0758 | 01/22/24 | 01/24/24 | EPA 6020B | |
| Barium | 85.1 | 0.400 | " | " | " | " | " | " | |
| Cadmium | ND | 0.200 | " | " | " | " | " | " | |
| Copper | 4.63 | 0.400 | " | " | " | " | " | " | |
| Lead | 8.12 | 0.200 | " | " | " | " | " | " | |
| Nickel | 3.01 | 0.400 | " | " | " | " | " | " | |
| Silver | 0.0395 | 0.0200 | " | " | " | " | " | " | |
| Zinc | 18.8 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BHA0748 | 01/22/24 | 01/22/24 | EPA 7196A | |

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

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 34.2 | 0.0500 | mg/L dry | 1 | BHA0781 | 01/23/24 | 01/25/24 | EPA 6020B | |
| Magnesium | 11.1 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 5.02 | 0.0500 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.191 | 0.00100 | units | 1 | BHA0905 | 01/25/24 | 01/25/24 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz
Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
02/05/24 16:55

99FL02@4.0'
2401330-02 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 85.0 | | % | 1 | BHA0717 | 01/22/24 | 01/23/24 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.116 | 0.0100 | mmhos/cm | 1 | BHA0832 | 01/24/24 | 01/24/24 | EPA 120.1 | |

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

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.66 | | pH Units | 1 | BHA0831 | 01/24/24 | 01/24/24 | EPA 9045D | |

Summit Scientific



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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz
Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
02/05/24 16:55

PJPB01@5.0'
2401330-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BHA0722 | 01/22/24 | 01/23/24 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | 0.0410 | 102 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0383 | 95.8 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.0403 | 101 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BHA0723 | 01/22/24 | 01/23/24 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | 7.23 | 57.8 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz
Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
02/05/24 16:55

PJPB01@5.0'
2401330-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BHA0752 | 01/22/24 | 01/23/24 | EPA 8270D SIM | |
| Anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Chrysene | ND | 0.00500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0294 | 88.1 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0320 | 96.0 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | ND | 2.00 | mg/L | 1 | BHA0771 | 01/23/24 | 01/24/24 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/12/24 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 - Furrow USX AB 15-99Hz
Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
02/05/24 16:55

PJPB01@5.0'
2401330-03 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 2.35 | 0.200 | mg/kg dry | 1 | BHA0758 | 01/22/24 | 01/24/24 | EPA 6020B | |
| Barium | 45.2 | 0.400 | " | " | " | " | " | " | |
| Cadmium | ND | 0.200 | " | " | " | " | " | " | |
| Copper | 2.90 | 0.400 | " | " | " | " | " | " | |
| Lead | 5.45 | 0.200 | " | " | " | " | " | " | |
| Nickel | 2.89 | 0.400 | " | " | " | " | " | " | |
| Silver | ND | 0.0200 | " | " | " | " | " | " | |
| Zinc | 11.6 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BHA0748 | 01/22/24 | 01/22/24 | EPA 7196A | |

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

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 41.9 | 0.0500 | mg/L dry | 1 | BHA0781 | 01/23/24 | 01/25/24 | EPA 6020B | |
| Magnesium | 6.52 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 9.86 | 0.0500 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.374 | 0.00100 | units | 1 | BHA0905 | 01/25/24 | 01/25/24 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz
Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
02/05/24 16:55

PJPB01@5.0'
2401330-03 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 93.8 | | % | 1 | BHA0717 | 01/22/24 | 01/23/24 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.166 | 0.0100 | mmhos/cm | 1 | BHA0832 | 01/24/24 | 01/24/24 | EPA 120.1 | |

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

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.99 | | pH Units | 1 | BHA0831 | 01/24/24 | 01/24/24 | EPA 9045D | |

Summit Scientific



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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz
Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
02/05/24 16:55

PJPN01@4.0'
2401330-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BHA0722 | 01/22/24 | 01/23/24 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | 0.0426 | 106 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0406 | 101 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.0365 | 91.4 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BHA0723 | 01/22/24 | 01/23/24 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | 6.79 | 54.3 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz
Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
02/05/24 16:55

PJPN01@4.0'
2401330-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BHA0752 | 01/22/24 | 01/23/24 | EPA 8270D SIM | |
| Anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Chrysene | ND | 0.00500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0194 | 58.2 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0236 | 70.7 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | ND | 2.00 | mg/L | 1 | BHA0771 | 01/23/24 | 01/24/24 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/12/24 00:00**

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

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz
Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
02/05/24 16:55

PJPN01@4.0'
2401330-04 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 2.43 | 0.200 | mg/kg dry | 1 | BHA0758 | 01/22/24 | 01/24/24 | EPA 6020B | |
| Barium | 27.5 | 0.400 | " | " | " | " | " | " | |
| Cadmium | ND | 0.200 | " | " | " | " | " | " | |
| Copper | 2.46 | 0.400 | " | " | " | " | " | " | |
| Lead | 4.12 | 0.200 | " | " | " | " | " | " | |
| Nickel | 2.79 | 0.400 | " | " | " | " | " | " | |
| Silver | ND | 0.0200 | " | " | " | " | " | " | |
| Zinc | 10.2 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BHA0748 | 01/22/24 | 01/22/24 | EPA 7196A | |

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

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 38.3 | 0.0500 | mg/L dry | 1 | BHA0781 | 01/23/24 | 01/25/24 | EPA 6020B | |
| Magnesium | 7.02 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 3.38 | 0.0500 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.132 | 0.00100 | units | 1 | BHA0905 | 01/25/24 | 01/25/24 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

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 Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz
 Project Number: UWRWE-A2542-ABN
 Project Manager: Paul Henchan

Reported:
 02/05/24 16:55

PJPN01@4.0'
2401330-04 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 93.3 | | % | 1 | BHA0717 | 01/22/24 | 01/23/24 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/12/24 00:00**

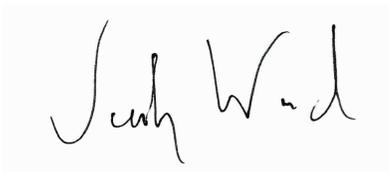
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.120 | 0.0100 | mmhos/cm | 1 | BHA0832 | 01/24/24 | 01/24/24 | EPA 120.1 | |

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

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.97 | | pH Units | 1 | BHA0831 | 01/24/24 | 01/24/24 | EPA 9045D | |

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Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz
Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
02/05/24 16:55

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 BHA0722 - EPA 5030 Soil MS

Blank (BHA0722-BLK1)

Prepared & Analyzed: 01/22/24

| | | | | | | | | | | |
|---|--------|--------|-------|--------|--|------|--------|--|--|--|
| Benzene | ND | 0.0020 | mg/kg | | | | | | | |
| Toluene | ND | 0.0050 | " | | | | | | | |
| Ethylbenzene | ND | 0.0050 | " | | | | | | | |
| Xylenes (total) | ND | 0.010 | " | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | | | | | | | |
| Naphthalene | ND | 0.0038 | " | | | | | | | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | | | | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 0.0356 | | " | 0.0400 | | 89.0 | 50-150 | | | |
| <i>Surrogate: Toluene-d8</i> | 0.0382 | | " | 0.0400 | | 95.4 | 50-150 | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 0.0393 | | " | 0.0400 | | 98.2 | 50-150 | | | |

LCS (BHA0722-BS1)

Prepared & Analyzed: 01/22/24

| | | | | | | | | | | |
|---|--------|--------|-------|--------|--|------|--------|--|--|--|
| Benzene | 0.157 | 0.0020 | mg/kg | 0.150 | | 105 | 70-130 | | | |
| Toluene | 0.151 | 0.0050 | " | 0.150 | | 101 | 70-130 | | | |
| Ethylbenzene | 0.152 | 0.0050 | " | 0.150 | | 101 | 70-130 | | | |
| m,p-Xylene | 0.303 | 0.010 | " | 0.300 | | 101 | 70-130 | | | |
| o-Xylene | 0.150 | 0.0050 | " | 0.150 | | 99.8 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.148 | 0.0050 | " | 0.150 | | 98.4 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.151 | 0.0050 | " | 0.150 | | 101 | 70-130 | | | |
| Naphthalene | 0.138 | 0.0038 | " | 0.150 | | 91.7 | 70-130 | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 0.0409 | | " | 0.0400 | | 102 | 50-150 | | | |
| <i>Surrogate: Toluene-d8</i> | 0.0403 | | " | 0.0400 | | 101 | 50-150 | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 0.0421 | | " | 0.0400 | | 105 | 50-150 | | | |

Matrix Spike (BHA0722-MS1)

Source: 2401283-01

Prepared & Analyzed: 01/22/24

| | | | | | | | | | | |
|---|--------|--------|-------|--------|----|------|--------|--|--|--|
| Benzene | 0.141 | 0.0020 | mg/kg | 0.150 | ND | 93.9 | 70-130 | | | |
| Toluene | 0.136 | 0.0050 | " | 0.150 | ND | 90.5 | 70-130 | | | |
| Ethylbenzene | 0.128 | 0.0050 | " | 0.150 | ND | 85.4 | 70-130 | | | |
| m,p-Xylene | 0.253 | 0.010 | " | 0.300 | ND | 84.4 | 70-130 | | | |
| o-Xylene | 0.128 | 0.0050 | " | 0.150 | ND | 85.0 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.119 | 0.0050 | " | 0.150 | ND | 79.5 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.118 | 0.0050 | " | 0.150 | ND | 78.8 | 70-130 | | | |
| Naphthalene | 0.122 | 0.0038 | " | 0.150 | ND | 81.3 | 70-130 | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 0.0428 | | " | 0.0400 | | 107 | 50-150 | | | |
| <i>Surrogate: Toluene-d8</i> | 0.0404 | | " | 0.0400 | | 101 | 50-150 | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 0.0414 | | " | 0.0400 | | 104 | 50-150 | | | |

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz

Project Number: UWRWE-A2542-ABN
 Project Manager: Paul Henchan

Reported:
 02/05/24 16:55

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 BHA0722 - EPA 5030 Soil MS

| Matrix Spike Dup (BHA0722-MSD1) | Source: 2401283-01 | | | Prepared & Analyzed: 01/22/24 | | | | | | |
|---|---------------------------|--------|----------|--|----|-------------|---------------|------|----|--|
| Benzene | 0.127 | 0.0020 | mg/kg | 0.150 | ND | 84.9 | 70-130 | 10.1 | 30 | |
| Toluene | 0.120 | 0.0050 | " | 0.150 | ND | 80.0 | 70-130 | 12.4 | 30 | |
| Ethylbenzene | 0.117 | 0.0050 | " | 0.150 | ND | 78.0 | 70-130 | 9.06 | 30 | |
| m,p-Xylene | 0.230 | 0.010 | " | 0.300 | ND | 76.7 | 70-130 | 9.54 | 30 | |
| o-Xylene | 0.117 | 0.0050 | " | 0.150 | ND | 77.9 | 70-130 | 8.71 | 30 | |
| 1,2,4-Trimethylbenzene | 0.109 | 0.0050 | " | 0.150 | ND | 72.4 | 70-130 | 9.45 | 30 | |
| 1,3,5-Trimethylbenzene | 0.106 | 0.0050 | " | 0.150 | ND | 70.6 | 70-130 | 11.0 | 30 | |
| Naphthalene | 0.116 | 0.0038 | " | 0.150 | ND | 77.1 | 70-130 | 5.28 | 30 | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0419</i> | | <i>"</i> | <i>0.0400</i> | | <i>105</i> | <i>50-150</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.0398</i> | | <i>"</i> | <i>0.0400</i> | | <i>99.4</i> | <i>50-150</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.0430</i> | | <i>"</i> | <i>0.0400</i> | | <i>107</i> | <i>50-150</i> | | | |

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 PO Box 1289
 Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz
 Project Number: UWRWE-A2542-ABN
 Project Manager: Paul Henchan

Reported:
 02/05/24 16:55

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BHA0723 - EPA 3550A

Blank (BHA0723-BLK1)

Prepared & Analyzed: 01/22/24

| | | | | | | | | | | | |
|--------------------------------|------|----|-------|------|--|------|--------|--|--|--|--|
| C10-C28 (DRO) | ND | 50 | mg/kg | | | | | | | | |
| C28-C36 (ORO) | ND | 50 | " | | | | | | | | |
| Surrogate: <i>o</i> -Terphenyl | 9.70 | | " | 12.5 | | 77.6 | 30-150 | | | | |

LCS (BHA0723-BS1)

Prepared & Analyzed: 01/22/24

| | | | | | | | | | | | |
|--------------------------------|------|----|-------|------|--|------|--------|--|--|--|--|
| C10-C28 (DRO) | 471 | 50 | mg/kg | 500 | | 94.2 | 70-130 | | | | |
| Surrogate: <i>o</i> -Terphenyl | 9.11 | | " | 12.5 | | 72.9 | 30-150 | | | | |

Matrix Spike (BHA0723-MS1)

Source: 2401283-01

Prepared & Analyzed: 01/22/24

| | | | | | | | | | | | |
|--------------------------------|------|----|-------|------|------|------|--------|--|--|--|--|
| C10-C28 (DRO) | 431 | 50 | mg/kg | 500 | 12.1 | 83.8 | 70-130 | | | | |
| Surrogate: <i>o</i> -Terphenyl | 9.17 | | " | 12.5 | | 73.3 | 30-150 | | | | |

Matrix Spike Dup (BHA0723-MSD1)

Source: 2401283-01

Prepared & Analyzed: 01/22/24

| | | | | | | | | | | | |
|--------------------------------|------|----|-------|------|------|------|--------|------|----|--|--|
| C10-C28 (DRO) | 381 | 50 | mg/kg | 500 | 12.1 | 73.7 | 70-130 | 12.5 | 20 | | |
| Surrogate: <i>o</i> -Terphenyl | 7.93 | | " | 12.5 | | 63.4 | 30-150 | | | | |

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Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
02/05/24 16:55

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 BHA0752 - EPA 5030 Soil MS

Blank (BHA0752-BLK1)

Prepared: 01/22/24 Analyzed: 01/23/24

| | | | | | | | | | | |
|---|---------------|---------|-------|---------------|--|-------------|---------------|--|--|--|
| Acenaphthene | ND | 0.00500 | mg/kg | | | | | | | |
| Anthracene | ND | 0.00500 | " | | | | | | | |
| Benzo (a) anthracene | ND | 0.00500 | " | | | | | | | |
| Benzo (a) pyrene | ND | 0.00500 | " | | | | | | | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | | | | | | | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | | | | | | | |
| Chrysene | ND | 0.00500 | " | | | | | | | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | | | | | | | |
| Fluoranthene | ND | 0.00500 | " | | | | | | | |
| Fluorene | ND | 0.00500 | " | | | | | | | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | | | | | | | |
| Pyrene | ND | 0.00500 | " | | | | | | | |
| 1-Methylnaphthalene | ND | 0.00500 | " | | | | | | | |
| 2-Methylnaphthalene | ND | 0.00500 | " | | | | | | | |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0290</i> | | " | <i>0.0333</i> | | <i>87.1</i> | <i>40-150</i> | | | |
| <i>Surrogate: Fluoranthene-d10</i> | <i>0.0371</i> | | " | <i>0.0333</i> | | <i>111</i> | <i>40-150</i> | | | |

LCS (BHA0752-BS1)

Prepared: 01/22/24 Analyzed: 01/23/24

| | | | | | | |
|---|---------------|---------|-------|---------------|------------|---------------|
| Acenaphthene | 0.0384 | 0.00500 | mg/kg | 0.0333 | 115 | 31-137 |
| Anthracene | 0.0376 | 0.00500 | " | 0.0333 | 113 | 30-120 |
| Benzo (a) anthracene | 0.0382 | 0.00500 | " | 0.0333 | 115 | 30-120 |
| Benzo (a) pyrene | 0.0381 | 0.00500 | " | 0.0333 | 114 | 30-120 |
| Benzo (b) fluoranthene | 0.0397 | 0.00500 | " | 0.0333 | 119 | 30-120 |
| Benzo (k) fluoranthene | 0.0384 | 0.00500 | " | 0.0333 | 115 | 30-120 |
| Chrysene | 0.0371 | 0.00500 | " | 0.0333 | 111 | 30-120 |
| Dibenz (a,h) anthracene | 0.0347 | 0.00500 | " | 0.0333 | 104 | 30-120 |
| Fluoranthene | 0.0354 | 0.00500 | " | 0.0333 | 106 | 30-120 |
| Fluorene | 0.0379 | 0.00500 | " | 0.0333 | 114 | 30-120 |
| Indeno (1,2,3-cd) pyrene | 0.0326 | 0.00500 | " | 0.0333 | 97.7 | 30-120 |
| Pyrene | 0.0268 | 0.00500 | " | 0.0333 | 80.4 | 35-142 |
| 1-Methylnaphthalene | 0.0387 | 0.00500 | " | 0.0333 | 116 | 35-142 |
| 2-Methylnaphthalene | 0.0374 | 0.00500 | " | 0.0333 | 112 | 35-142 |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0340</i> | | " | <i>0.0333</i> | <i>102</i> | <i>40-150</i> |
| <i>Surrogate: Fluoranthene-d10</i> | <i>0.0407</i> | | " | <i>0.0333</i> | <i>122</i> | <i>40-150</i> |

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Project: Noble - Furrow USX AB 15-99Hz

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
02/05/24 16:55

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 BHA0752 - EPA 5030 Soil MS

Matrix Spike (BHA0752-MS1)

Source: 2401330-02

Prepared: 01/22/24 Analyzed: 01/23/24

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|----|------|--------|--|--|--|
| Acenaphthene | 0.0218 | 0.00500 | mg/kg | 0.0333 | ND | 65.5 | 31-137 | | | |
| Anthracene | 0.0243 | 0.00500 | " | 0.0333 | ND | 73.0 | 30-120 | | | |
| Benzo (a) anthracene | 0.0289 | 0.00500 | " | 0.0333 | ND | 86.7 | 30-120 | | | |
| Benzo (a) pyrene | 0.0263 | 0.00500 | " | 0.0333 | ND | 79.0 | 30-120 | | | |
| Benzo (b) fluoranthene | 0.0288 | 0.00500 | " | 0.0333 | ND | 86.3 | 30-120 | | | |
| Benzo (k) fluoranthene | 0.0238 | 0.00500 | " | 0.0333 | ND | 71.4 | 30-120 | | | |
| Chrysene | 0.0322 | 0.00500 | " | 0.0333 | ND | 96.7 | 30-120 | | | |
| Dibenz (a,h) anthracene | 0.0250 | 0.00500 | " | 0.0333 | ND | 75.0 | 30-120 | | | |
| Fluoranthene | 0.0344 | 0.00500 | " | 0.0333 | ND | 103 | 30-120 | | | |
| Fluorene | 0.0227 | 0.00500 | " | 0.0333 | ND | 68.0 | 30-120 | | | |
| Indeno (1,2,3-cd) pyrene | 0.0293 | 0.00500 | " | 0.0333 | ND | 87.9 | 30-120 | | | |
| Pyrene | 0.0250 | 0.00500 | " | 0.0333 | ND | 75.1 | 35-142 | | | |
| 1-Methylnaphthalene | 0.0207 | 0.00500 | " | 0.0333 | ND | 62.2 | 15-130 | | | |
| 2-Methylnaphthalene | 0.0200 | 0.00500 | " | 0.0333 | ND | 60.0 | 15-130 | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0195 | | " | 0.0333 | | 58.5 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0198 | | " | 0.0333 | | 59.4 | 40-150 | | | |

Matrix Spike Dup (BHA0752-MSD1)

Source: 2401330-02

Prepared: 01/22/24 Analyzed: 01/23/24

| | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|----|------|--------|------|----|
| Acenaphthene | 0.0246 | 0.00500 | mg/kg | 0.0333 | ND | 73.9 | 31-137 | 12.1 | 30 |
| Anthracene | 0.0259 | 0.00500 | " | 0.0333 | ND | 77.7 | 30-120 | 6.25 | 30 |
| Benzo (a) anthracene | 0.0336 | 0.00500 | " | 0.0333 | ND | 101 | 30-120 | 15.1 | 30 |
| Benzo (a) pyrene | 0.0300 | 0.00500 | " | 0.0333 | ND | 90.0 | 30-120 | 13.0 | 30 |
| Benzo (b) fluoranthene | 0.0328 | 0.00500 | " | 0.0333 | ND | 98.4 | 30-120 | 13.0 | 30 |
| Benzo (k) fluoranthene | 0.0261 | 0.00500 | " | 0.0333 | ND | 78.2 | 30-120 | 9.09 | 30 |
| Chrysene | 0.0297 | 0.00500 | " | 0.0333 | ND | 89.2 | 30-120 | 8.05 | 30 |
| Dibenz (a,h) anthracene | 0.0287 | 0.00500 | " | 0.0333 | ND | 86.2 | 30-120 | 13.8 | 30 |
| Fluoranthene | 0.0397 | 0.00500 | " | 0.0333 | ND | 119 | 30-120 | 14.2 | 30 |
| Fluorene | 0.0267 | 0.00500 | " | 0.0333 | ND | 80.1 | 30-120 | 16.3 | 30 |
| Indeno (1,2,3-cd) pyrene | 0.0343 | 0.00500 | " | 0.0333 | ND | 103 | 30-120 | 15.6 | 30 |
| Pyrene | 0.0334 | 0.00500 | " | 0.0333 | ND | 100 | 35-142 | 28.6 | 30 |
| 1-Methylnaphthalene | 0.0233 | 0.00500 | " | 0.0333 | ND | 69.9 | 15-130 | 11.6 | 50 |
| 2-Methylnaphthalene | 0.0230 | 0.00500 | " | 0.0333 | ND | 69.0 | 15-130 | 13.9 | 50 |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0232 | | " | 0.0333 | | 69.7 | 40-150 | | |
| Surrogate: Fluoranthene-d10 | 0.0225 | | " | 0.0333 | | 67.5 | 40-150 | | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz
Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
02/05/24 16:55

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 BHA1096 - EPA 5030 Soil MS

Blank (BHA1096-BLK1)

Prepared & Analyzed: 01/31/24

| | | | | | | | | | | |
|---|---------------|---------|-------|---------------|--|-------------|--|---------------|--|--|
| Acenaphthene | ND | 0.00500 | mg/kg | | | | | | | |
| Anthracene | ND | 0.00500 | " | | | | | | | |
| Benzo (a) anthracene | ND | 0.00500 | " | | | | | | | |
| Benzo (a) pyrene | ND | 0.00500 | " | | | | | | | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | | | | | | | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | | | | | | | |
| Chrysene | ND | 0.00500 | " | | | | | | | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | | | | | | | |
| Fluoranthene | ND | 0.00500 | " | | | | | | | |
| Fluorene | ND | 0.00500 | " | | | | | | | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | | | | | | | |
| Pyrene | ND | 0.00500 | " | | | | | | | |
| 1-Methylnaphthalene | ND | 0.00500 | " | | | | | | | |
| 2-Methylnaphthalene | ND | 0.00500 | " | | | | | | | |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0236</i> | | " | <i>0.0333</i> | | <i>70.9</i> | | <i>40-150</i> | | |
| <i>Surrogate: Fluoranthene-d10</i> | <i>0.0213</i> | | " | <i>0.0333</i> | | <i>63.8</i> | | <i>40-150</i> | | |

LCS (BHA1096-BS1)

Prepared & Analyzed: 01/31/24

| | | | | | | | | | | |
|---|---------------|---------|-------|---------------|--|-------------|--|---------------|--|--|
| Acenaphthene | 0.0278 | 0.00500 | mg/kg | 0.0333 | | 83.3 | | 31-137 | | |
| Anthracene | 0.0262 | 0.00500 | " | 0.0333 | | 78.6 | | 30-120 | | |
| Benzo (a) anthracene | 0.0249 | 0.00500 | " | 0.0333 | | 74.8 | | 30-120 | | |
| Benzo (a) pyrene | 0.0252 | 0.00500 | " | 0.0333 | | 75.6 | | 30-120 | | |
| Benzo (b) fluoranthene | 0.0191 | 0.00500 | " | 0.0333 | | 57.4 | | 30-120 | | |
| Benzo (k) fluoranthene | 0.0170 | 0.00500 | " | 0.0333 | | 51.1 | | 30-120 | | |
| Chrysene | 0.0269 | 0.00500 | " | 0.0333 | | 80.7 | | 30-120 | | |
| Dibenz (a,h) anthracene | 0.0295 | 0.00500 | " | 0.0333 | | 88.6 | | 30-120 | | |
| Fluoranthene | 0.0261 | 0.00500 | " | 0.0333 | | 78.2 | | 30-120 | | |
| Fluorene | 0.0277 | 0.00500 | " | 0.0333 | | 83.0 | | 30-120 | | |
| Indeno (1,2,3-cd) pyrene | 0.0338 | 0.00500 | " | 0.0333 | | 101 | | 30-120 | | |
| Pyrene | 0.0333 | 0.00500 | " | 0.0333 | | 100 | | 35-142 | | |
| 1-Methylnaphthalene | 0.0293 | 0.00500 | " | 0.0333 | | 87.9 | | 35-142 | | |
| 2-Methylnaphthalene | 0.0276 | 0.00500 | " | 0.0333 | | 82.7 | | 35-142 | | |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0273</i> | | " | <i>0.0333</i> | | <i>82.0</i> | | <i>40-150</i> | | |
| <i>Surrogate: Fluoranthene-d10</i> | <i>0.0258</i> | | " | <i>0.0333</i> | | <i>77.5</i> | | <i>40-150</i> | | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
02/05/24 16:55

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 BHA1096 - EPA 5030 Soil MS

Matrix Spike (BHA1096-MS1)

Source: 2401523-01

Prepared & Analyzed: 01/31/24

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|----|------|--------|--|--|--|
| Acenaphthene | 0.0192 | 0.00500 | mg/kg | 0.0333 | ND | 57.7 | 31-137 | | | |
| Anthracene | 0.0173 | 0.00500 | " | 0.0333 | ND | 51.9 | 30-120 | | | |
| Benzo (a) anthracene | 0.0175 | 0.00500 | " | 0.0333 | ND | 52.5 | 30-120 | | | |
| Benzo (a) pyrene | 0.0174 | 0.00500 | " | 0.0333 | ND | 52.1 | 30-120 | | | |
| Benzo (b) fluoranthene | 0.0190 | 0.00500 | " | 0.0333 | ND | 56.9 | 30-120 | | | |
| Benzo (k) fluoranthene | 0.0179 | 0.00500 | " | 0.0333 | ND | 53.8 | 30-120 | | | |
| Chrysene | 0.0180 | 0.00500 | " | 0.0333 | ND | 54.1 | 30-120 | | | |
| Dibenz (a,h) anthracene | 0.0202 | 0.00500 | " | 0.0333 | ND | 60.6 | 30-120 | | | |
| Fluoranthene | 0.0182 | 0.00500 | " | 0.0333 | ND | 54.7 | 30-120 | | | |
| Fluorene | 0.0202 | 0.00500 | " | 0.0333 | ND | 60.5 | 30-120 | | | |
| Indeno (1,2,3-cd) pyrene | 0.0222 | 0.00500 | " | 0.0333 | ND | 66.6 | 30-120 | | | |
| Pyrene | 0.0224 | 0.00500 | " | 0.0333 | ND | 67.1 | 35-142 | | | |
| 1-Methylnaphthalene | 0.0197 | 0.00500 | " | 0.0333 | ND | 59.0 | 15-130 | | | |
| 2-Methylnaphthalene | 0.0200 | 0.00500 | " | 0.0333 | ND | 60.1 | 15-130 | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0203 | | " | 0.0333 | | 60.8 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0189 | | " | 0.0333 | | 56.8 | 40-150 | | | |

Matrix Spike Dup (BHA1096-MSD1)

Source: 2401523-01

Prepared & Analyzed: 01/31/24

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|----|------|--------|------|----|--|
| Acenaphthene | 0.0225 | 0.00500 | mg/kg | 0.0333 | ND | 67.4 | 31-137 | 15.6 | 30 | |
| Anthracene | 0.0216 | 0.00500 | " | 0.0333 | ND | 64.7 | 30-120 | 21.9 | 30 | |
| Benzo (a) anthracene | 0.0214 | 0.00500 | " | 0.0333 | ND | 64.2 | 30-120 | 20.0 | 30 | |
| Benzo (a) pyrene | 0.0205 | 0.00500 | " | 0.0333 | ND | 61.4 | 30-120 | 16.4 | 30 | |
| Benzo (b) fluoranthene | 0.0208 | 0.00500 | " | 0.0333 | ND | 62.3 | 30-120 | 8.99 | 30 | |
| Benzo (k) fluoranthene | 0.0209 | 0.00500 | " | 0.0333 | ND | 62.8 | 30-120 | 15.3 | 30 | |
| Chrysene | 0.0213 | 0.00500 | " | 0.0333 | ND | 64.0 | 30-120 | 16.7 | 30 | |
| Dibenz (a,h) anthracene | 0.0229 | 0.00500 | " | 0.0333 | ND | 68.8 | 30-120 | 12.8 | 30 | |
| Fluoranthene | 0.0214 | 0.00500 | " | 0.0333 | ND | 64.2 | 30-120 | 15.9 | 30 | |
| Fluorene | 0.0219 | 0.00500 | " | 0.0333 | ND | 65.6 | 30-120 | 8.21 | 30 | |
| Indeno (1,2,3-cd) pyrene | 0.0263 | 0.00500 | " | 0.0333 | ND | 79.0 | 30-120 | 17.0 | 30 | |
| Pyrene | 0.0290 | 0.00500 | " | 0.0333 | ND | 86.9 | 35-142 | 25.7 | 30 | |
| 1-Methylnaphthalene | 0.0233 | 0.00500 | " | 0.0333 | ND | 70.0 | 15-130 | 17.1 | 50 | |
| 2-Methylnaphthalene | 0.0228 | 0.00500 | " | 0.0333 | ND | 68.3 | 15-130 | 12.8 | 50 | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0222 | | " | 0.0333 | | 66.7 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0220 | | " | 0.0333 | | 66.0 | 40-150 | | | |

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz

Project Number: UWRWE-A2542-ABN
 Project Manager: Paul Henchan

Reported:
 02/05/24 16:55

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 BHA0771 - EPA 3050B

Blank (BHA0771-BLK1)

Prepared: 01/23/24 Analyzed: 01/24/24

Boron ND 2.00 mg/L

LCS (BHA0771-BS1)

Prepared: 01/23/24 Analyzed: 01/24/24

Boron 4.89 2.00 mg/L 5.00 97.8 80-120

Duplicate (BHA0771-DUP1)

Source: 2401318-01

Prepared: 01/23/24 Analyzed: 01/24/24

Boron ND 2.00 mg/L ND 20

Matrix Spike (BHA0771-MS1)

Source: 2401318-01

Prepared: 01/23/24 Analyzed: 01/24/24

Boron 4.31 2.00 mg/L 5.00 ND 86.1 75-125

Matrix Spike Dup (BHA0771-MSD1)

Source: 2401318-01

Prepared: 01/23/24 Analyzed: 01/24/24

Boron 4.64 2.00 mg/L 5.00 ND 92.9 75-125 7.55 25

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
02/05/24 16:55

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHA0758 - EPA 3050B

Blank (BHA0758-BLK1)

Prepared: 01/22/24 Analyzed: 01/24/24

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

LCS (BHA0758-BS1)

Prepared: 01/22/24 Analyzed: 01/24/24

| | | | | | | |
|----------|------|--------|-----------|------|------|--------|
| Arsenic | 35.6 | 0.200 | mg/kg wet | 40.0 | 88.9 | 80-120 |
| Barium | 37.2 | 0.400 | " | 40.0 | 93.0 | 80-120 |
| Cadmium | 1.82 | 0.200 | " | 2.00 | 90.9 | 80-120 |
| Copper | 37.6 | 0.400 | " | 40.0 | 93.9 | 80-120 |
| Lead | 18.1 | 0.200 | " | 20.0 | 90.3 | 80-120 |
| Nickel | 36.7 | 0.400 | " | 40.0 | 91.8 | 80-120 |
| Silver | 1.80 | 0.0200 | " | 2.00 | 90.1 | 80-120 |
| Zinc | 37.0 | 0.400 | " | 40.0 | 92.6 | 80-120 |
| Selenium | 4.13 | 0.260 | " | 4.00 | 103 | 80-120 |

Duplicate (BHA0758-DUP1)

Source: 2401328-01

Prepared: 01/22/24 Analyzed: 01/24/24

| | | | | | | | |
|----------|--------|--------|-----------|--------|------|----|-------|
| Arsenic | 1.53 | 0.200 | mg/kg dry | 1.63 | 6.12 | 20 | |
| Barium | 24.5 | 0.400 | " | 39.4 | 46.6 | 20 | QR-04 |
| Cadmium | 0.159 | 0.200 | " | 0.161 | 1.56 | 20 | |
| Copper | 2.58 | 0.400 | " | 2.73 | 5.54 | 20 | |
| Lead | 5.04 | 0.200 | " | 4.97 | 1.26 | 20 | |
| Nickel | 2.26 | 0.400 | " | 2.48 | 9.21 | 20 | |
| Silver | 0.0121 | 0.0200 | " | 0.0154 | 24.2 | 20 | QR-01 |
| Zinc | 10.4 | 0.400 | " | 11.3 | 8.64 | 20 | |
| Selenium | ND | 0.260 | " | ND | | 20 | |

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz

Project Number: UWRWE-A2542-ABN
 Project Manager: Paul Henchan

Reported:
 02/05/24 16:55

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHA0758 - EPA 3050B

Matrix Spike (BHA0758-MS1)

Source: 2401328-01

Prepared: 01/22/24 Analyzed: 01/24/24

| | | | | | | | | | | | |
|----------|------|--------|-----------|------|--------|------|--------|--|--|--|-------|
| Arsenic | 38.8 | 0.200 | mg/kg dry | 41.6 | 1.63 | 89.2 | 75-125 | | | | |
| Barium | 61.7 | 0.400 | " | 41.6 | 39.4 | 53.4 | 75-125 | | | | QM-05 |
| Cadmium | 2.08 | 0.200 | " | 2.08 | 0.161 | 92.5 | 75-125 | | | | |
| Copper | 33.3 | 0.400 | " | 41.6 | 2.73 | 73.5 | 75-125 | | | | QM-05 |
| Lead | 23.4 | 0.200 | " | 20.8 | 4.97 | 88.5 | 75-125 | | | | |
| Nickel | 32.6 | 0.400 | " | 41.6 | 2.48 | 72.3 | 75-125 | | | | QM-05 |
| Silver | 1.88 | 0.0200 | " | 2.08 | 0.0154 | 89.8 | 75-125 | | | | |
| Zinc | 42.0 | 0.400 | " | 41.6 | 11.3 | 73.8 | 75-125 | | | | QM-05 |
| Selenium | 3.94 | 0.260 | " | 4.16 | ND | 94.8 | 75-125 | | | | |

Matrix Spike Dup (BHA0758-MSD1)

Source: 2401328-01

Prepared: 01/22/24 Analyzed: 01/24/24

| | | | | | | | | | | | |
|----------|------|--------|-----------|------|--------|------|--------|-------|----|--|-------|
| Arsenic | 39.2 | 0.200 | mg/kg dry | 41.6 | 1.63 | 90.4 | 75-125 | 1.22 | 25 | | |
| Barium | 62.2 | 0.400 | " | 41.6 | 39.4 | 54.8 | 75-125 | 0.913 | 25 | | QM-05 |
| Cadmium | 2.09 | 0.200 | " | 2.08 | 0.161 | 92.9 | 75-125 | 0.458 | 25 | | |
| Copper | 34.1 | 0.400 | " | 41.6 | 2.73 | 75.5 | 75-125 | 2.46 | 25 | | |
| Lead | 23.9 | 0.200 | " | 20.8 | 4.97 | 90.8 | 75-125 | 2.02 | 25 | | |
| Nickel | 33.4 | 0.400 | " | 41.6 | 2.48 | 74.4 | 75-125 | 2.69 | 25 | | QM-05 |
| Silver | 1.91 | 0.0200 | " | 2.08 | 0.0154 | 90.9 | 75-125 | 1.12 | 25 | | |
| Zinc | 43.1 | 0.400 | " | 41.6 | 11.3 | 76.3 | 75-125 | 2.46 | 25 | | |
| Selenium | 4.31 | 0.260 | " | 4.16 | ND | 104 | 75-125 | 9.02 | 25 | | |

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz

Project Number: UWRWE-A2542-ABN
 Project Manager: Paul Henchan

Reported:
 02/05/24 16:55

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

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

Batch BHA0748 - 3060A Mod

Blank (BHA0748-BLK1)

Prepared & Analyzed: 01/22/24

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BHA0748-BS1)

Prepared & Analyzed: 01/22/24

Chromium, Hexavalent 23.8 0.30 mg/kg wet 25.0 95.0 80-120

Duplicate (BHA0748-DUP1)

Source: 2401330-01

Prepared & Analyzed: 01/22/24

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BHA0748-MS1)

Source: 2401330-01

Prepared & Analyzed: 01/22/24

Chromium, Hexavalent 23.8 0.30 mg/kg dry 26.7 ND 89.0 75-125

Matrix Spike Dup (BHA0748-MSD1)

Source: 2401330-01

Prepared & Analyzed: 01/22/24

Chromium, Hexavalent 24.4 0.30 mg/kg dry 26.7 ND 91.2 75-125 2.44 20

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz

Project Number: UWRWE-A2542-ABN
 Project Manager: Paul Henchan

Reported:
 02/05/24 16:55

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 BHA0781 - General Preparation

Blank (BHA0781-BLK1)

Prepared: 01/23/24 Analyzed: 01/25/24

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

LCS (BHA0781-BS1)

Prepared: 01/23/24 Analyzed: 01/25/24

| | | | | | | | | | | |
|-----------|------|--------|----------|------|-----|--------|--|--|--|--|
| Calcium | 6.11 | 0.0500 | mg/L wet | 5.00 | 122 | 70-130 | | | | |
| Magnesium | 5.23 | 0.0500 | " | 5.00 | 105 | 70-130 | | | | |
| Sodium | 5.09 | 0.0500 | " | 5.00 | 102 | 70-130 | | | | |

Summit Scientific

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 PO Box 1289
 Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz
 Project Number: UWRWE-A2542-ABN
 Project Manager: Paul Henchan

Reported:
 02/05/24 16:55

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

Summit Scientific

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

Batch BHA0717 - General Preparation

| Duplicate (BHA0717-DUP1) | Source: 2401317-01 | Prepared: 01/22/24 | Analyzed: 01/23/24 |
|--------------------------|--------------------|--------------------|--------------------|
| % Solids | 94.5 | % | 94.7 |
| | | | 0.198 |
| | | | 20 |

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz
 Project Number: UWRWE-A2542-ABN
 Project Manager: Paul Henchan

Reported:
 02/05/24 16:55

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 BHA0832 - General Preparation

Blank (BHA0832-BLK1)

Prepared & Analyzed: 01/24/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BHA0832-BS1)

Prepared & Analyzed: 01/24/24

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

Duplicate (BHA0832-DUP1)

Source: 2401328-01

Prepared & Analyzed: 01/24/24

Specific Conductance (EC) 0.0362 0.0100 mmhos/cm 0.0367 1.37 20

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 Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz

Project Number: UWRWE-A2542-ABN
 Project Manager: Paul Henchan

Reported:
 02/05/24 16:55

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 BHA0831 - General Preparation

LCS (BHA0831-BS1)

Prepared & Analyzed: 01/24/24

| | | | | | |
|----|------|----------|------|-----|--------|
| pH | 9.27 | pH Units | 9.18 | 101 | 95-105 |
|----|------|----------|------|-----|--------|

Duplicate (BHA0831-DUP1)

Source: 2401328-01

Prepared & Analyzed: 01/24/24

| | | | | | |
|----|------|----------|------|------|----|
| pH | 6.85 | pH Units | 7.06 | 3.02 | 20 |
|----|------|----------|------|------|----|

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
02/05/24 16:55

Notes and Definitions

- S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
- QR-04 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- QR-01 Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The associated LCS and/or LCSD were within acceptance limits, therefore the data are considered valid.
- 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

January 25, 2024

Paul Henchan

Fremont Environmental

PO Box 1289

Wellington, CO 80549

RE: Noble - Furrow USX (Backgrounds)

Work Order #2401328

Enclosed are the results of analyses for samples received by Summit Scientific on 01/19/24 13:59. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Jacob Wood". The signature is written in a cursive style with a large initial "J" and a distinct "W".

Jacob Wood For Paul Shrewsbury

President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:29

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------|---------------|--------|----------------|----------------|
| BKG01@6.0" | 2401328-01 | Soil | 01/19/24 00:00 | 01/19/24 13:59 |
| BKG01@4.0' | 2401328-02 | Soil | 01/19/24 00:00 | 01/19/24 13:59 |
| BKG01@5.0' | 2401328-03 | Soil | 01/19/24 00:00 | 01/19/24 13:59 |
| BKG02@6.0" | 2401328-04 | Soil | 01/19/24 00:00 | 01/19/24 13:59 |
| BKG02@4.0' | 2401328-05 | Soil | 01/19/24 00:00 | 01/19/24 13:59 |
| BKG02@5.0' | 2401328-06 | Soil | 01/19/24 00:00 | 01/19/24 13:59 |
| BKG03@6.0" | 2401328-07 | Soil | 01/19/24 00:00 | 01/19/24 13:59 |
| BKG03@4.0' | 2401328-08 | Soil | 01/19/24 00:00 | 01/19/24 13:59 |
| BKG03@5.0' | 2401328-09 | Soil | 01/19/24 00:00 | 01/19/24 13:59 |
| BKG04@6.0" | 2401328-10 | Soil | 01/19/24 00:00 | 01/19/24 13:59 |
| BKG04@4.0' | 2401328-11 | Soil | 01/19/24 00:00 | 01/19/24 13:59 |
| BKG04@5.0' | 2401328-12 | Soil | 01/19/24 00:00 | 01/19/24 13:59 |
| BKG05@6.0" | 2401328-13 | Soil | 01/19/24 00:00 | 01/19/24 13:59 |
| BKG05@4.0' | 2401328-14 | Soil | 01/19/24 00:00 | 01/19/24 13:59 |
| BKG05@5.0' | 2401328-15 | Soil | 01/19/24 00:00 | 01/19/24 13:59 |

Summit Scientific

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SUMMIT SCIENTIFIC

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

| | |
|---------|-------------|
| Lab ID | Page 1 of 2 |
| 2401328 | |

| | | | |
|---------------------|--|--|--|
| Send Data To: | | Send Invoice To: | |
| Client: Fremont Env | Project Manager: Paul Henahan | Company: Noble | |
| Address: | E-Mail: Paulh@fremontenv.com | Project Name/Location: Furrow USX AB 15-99HZ | |
| City/State/Zip: | Jeffy@fremontenv.com Ethenb@fremontenv.com | AFE#: | |
| Phone: | Project Name: Furrow USX (Backgrounds) | PO/Billing Codes: UWRWE-A2542-ABN | |
| Sampler Name: JG | Project Number: | Contact: | |

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | | Analysis Requested | | | | Special Instructions |
|----|--------------------|--------------|--------------|-----------------|--------------|------|------|-------|--------|------|----------------|--------------------|--------------------|--------------|--|----------------------|
| | | | | | HCl | HNO3 | None | Other | Water | Soil | Air-Canister # | Other | PH, SAR, EC, Boron | Metals (915) | | |
| 1 | BK601@6.0" | 01/19/24 | | 1 | | | X | | | X | | | X | X | | |
| 2 | BK601@4.0' | | | | | | | | | | | | | | | |
| 3 | BK601@5.0' | | | | | | | | | | | | | | | |
| 4 | BK602@6.0" | | | | | | | | | | | | | | | |
| 5 | BK602@4.0' | | | | | | | | | | | | | | | |
| 6 | BK602@5.0' | | | | | | | | | | | | | | | |
| 7 | BK603@6.0" | | | | | | | | | | | | | | | |
| 8 | BK603@4.0' | | | | | | | | | | | | | | | |
| 9 | BK602@5.0' | | | | | | | | | | | | | | | |
| 10 | BK604@6.0" | | | | | | | | | | | | | | | |
| 11 | BK604@4.0' | | | | | | | | | | | | | | | |
| 12 | BK604@5.0' | | | | | | | | | | | | | | | |
| 13 | BK605@6.0" | | | | | | | | | | | | | | | |
| 14 | BK605@4.0' | | | | | | | | | | | | | | | |
| 15 | BK605@5.0' | | | | | | | | | | | | | | | |

| | | | | | | |
|--|-----------------------|--|--------------------------|-------------------|---------------|-----------------------------|
| Relinquished by:  | Date/Time: 01/19/24 | Received by:  | Date/Time: 1/19/24 13:54 | TAT Business Days | Field DO | Notes: Bill to Noble |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Same Day | Field EC | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | 1 Day | Field ORP | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | 2 Days | Field pH | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | 3 Days | Field Temp. | |
| Temperature Upon Receipt: 8.1 | Corrected Temperature | IR gun #: 2 | HNO3 lot #: | Standard | X Field Turb. | |

S₂

Sample Receipt Checklist

S2 Work Order# 2401328Client: Fremont Client Project ID: Furrow USX (Background)Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other Airbill #: _____ Matrix (Check all that apply) Air Soil/Solid Water Other Temp (°C) Thermometer #

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

Mikayla Axtell

Custodian Printed Name

1/19/24 13:59

Date/Time



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:29

BKG01@6.0"
2401328-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Boron | ND | 2.00 | | mg/L | 1 | BHA0750 | 01/22/24 | 01/24/24 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|--|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Arsenic | 1.63 | 0.200 | | mg/kg dry | 1 | BHA0758 | 01/22/24 | 01/24/24 | EPA 6020B | |
| Barium | 39.4 | 0.400 | | " | " | " | " | " | " | |
| Cadmium | ND | 0.200 | | " | " | " | " | " | " | |
| Copper | 2.73 | 0.400 | | " | " | " | " | " | " | |
| Lead | 4.97 | 0.200 | | " | " | " | " | " | " | |
| Nickel | 2.48 | 0.400 | | " | " | " | " | " | " | |
| Silver | ND | 0.0200 | | " | " | " | " | " | " | |
| Zinc | 11.3 | 0.400 | | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|--|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BHA0747 | 01/22/24 | 01/22/24 | EPA 7196A | |

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

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------|--|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Calcium | 28.0 | 0.0500 | | mg/L dry | 1 | BHA0781 | 01/23/24 | 01/25/24 | EPA 6020B | |
| Magnesium | 5.05 | 0.0500 | | " | " | " | " | " | " | |
| Sodium | 0.506 | 0.0500 | | " | " | " | " | " | " | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)
Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:29

BKG01@6.0"
2401328-01 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.0231 | 0.00100 | units | 1 | BHA0905 | 01/25/24 | 01/25/24 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 96.1 | | % | 1 | BHA0763 | 01/22/24 | 01/22/24 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.0367 | 0.0100 | mmhos/cm | 1 | BHA0832 | 01/24/24 | 01/24/24 | EPA 120.1 | |

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

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.06 | | pH Units | 1 | BHA0831 | 01/24/24 | 01/24/24 | EPA 9045D | |

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:29

BKG01@4.0'
2401328-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Boron | ND | 2.00 | mg/L | 1 | BHA0750 | 01/22/24 | 01/24/24 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|---------------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 6.82 | 0.200 | mg/kg dry | 1 | BHA0758 | 01/22/24 | 01/24/24 | EPA 6020B | |
| Barium | 90.5 | 0.400 | " | " | " | " | " | " | |
| Cadmium | 0.573 | 0.200 | " | " | " | " | " | " | |
| Copper | 9.49 | 0.400 | " | " | " | " | " | " | |
| Lead | 16.5 | 0.200 | " | " | " | " | " | " | |
| Nickel | 6.38 | 0.400 | " | " | " | " | " | " | |
| Silver | 0.0852 | 0.0200 | " | " | " | " | " | " | |
| Zinc | 24.5 | 0.400 | " | " | " | " | " | " | |
| Selenium | 0.471 | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BHA0747 | 01/22/24 | 01/22/24 | EPA 7196A | |

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

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Calcium | 31.7 | 0.0500 | mg/L dry | 1 | BHA0781 | 01/23/24 | 01/25/24 | EPA 6020B | |
| Magnesium | 11.7 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 3.37 | 0.0500 | " | " | " | " | " | " | |

Calculated Analysis

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)
Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:29

BKG01@4.0'
2401328-02 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.130 | 0.00100 | units | 1 | BHA0905 | 01/25/24 | 01/25/24 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|-------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 78.9 | | % | 1 | BHA0763 | 01/22/24 | 01/22/24 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|---------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.0673 | 0.0100 | mmhos/cm | 1 | BHA0832 | 01/24/24 | 01/24/24 | EPA 120.1 | |

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

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.90 | | pH Units | 1 | BHA0831 | 01/24/24 | 01/24/24 | EPA 9045D | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:29

BKG01@5.0'
2401328-03 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Boron | ND | 2.00 | mg/L | 1 | BHA0750 | 01/22/24 | 01/24/24 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 5.36 | 0.200 | mg/kg dry | 1 | BHA0758 | 01/22/24 | 01/24/24 | EPA 6020B | |
| Barium | 108 | 0.400 | " | " | " | " | " | " | |
| Cadmium | 0.749 | 0.200 | " | " | " | " | " | " | |
| Copper | 6.29 | 0.400 | " | " | " | " | " | " | |
| Lead | 16.0 | 0.200 | " | " | " | " | " | " | |
| Nickel | 7.79 | 0.400 | " | " | " | " | " | " | |
| Silver | 0.103 | 0.0200 | " | " | " | " | " | " | |
| Zinc | 19.2 | 0.400 | " | " | " | " | " | " | |
| Selenium | 0.555 | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BHA0747 | 01/22/24 | 01/22/24 | EPA 7196A | |

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

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Calcium | 20.1 | 0.0500 | mg/L dry | 1 | BHA0781 | 01/23/24 | 01/25/24 | EPA 6020B | |
| Magnesium | 8.18 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 28.5 | 0.0500 | " | " | " | " | " | " | |

Calculated Analysis

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 - Furrow USX (Backgrounds)

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:29

BKG01@5.0'
2401328-03 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 1.35 | 0.00100 | units | 1 | BHA0905 | 01/25/24 | 01/25/24 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 79.2 | | % | 1 | BHA0763 | 01/22/24 | 01/22/24 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.262 | 0.0100 | mmhos/cm | 1 | BHA0832 | 01/24/24 | 01/24/24 | EPA 120.1 | |

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

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.15 | | pH Units | 1 | BHA0831 | 01/24/24 | 01/24/24 | EPA 9045D | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:29

BKG02@6.0"
2401328-04 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Boron | ND | 2.00 | | mg/L | 1 | BHA0750 | 01/22/24 | 01/24/24 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|--|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Arsenic | 2.52 | 0.200 | | mg/kg dry | 1 | BHA0758 | 01/22/24 | 01/24/24 | EPA 6020B | |
| Barium | 46.2 | 0.400 | | " | " | " | " | " | " | |
| Cadmium | 0.259 | 0.200 | | " | " | " | " | " | " | |
| Copper | 4.19 | 0.400 | | " | " | " | " | " | " | |
| Lead | 9.08 | 0.200 | | " | " | " | " | " | " | |
| Nickel | 3.41 | 0.400 | | " | " | " | " | " | " | |
| Silver | 0.0330 | 0.0200 | | " | " | " | " | " | " | |
| Zinc | 16.5 | 0.400 | | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|--|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BHA0747 | 01/22/24 | 01/22/24 | EPA 7196A | |

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

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------|--|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Calcium | 67.3 | 0.0500 | | mg/L dry | 1 | BHA0781 | 01/23/24 | 01/25/24 | EPA 6020B | |
| Magnesium | 17.5 | 0.0500 | | " | " | " | " | " | " | |
| Sodium | 1.02 | 0.0500 | | " | " | " | " | " | " | |

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)

Project Number: UWRWE-A2542-ABN
 Project Manager: Paul Henchan

Reported:
 01/25/24 16:29

BKG02@6.0"
2401328-04 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.0286 | 0.00100 | units | 1 | BHA0905 | 01/25/24 | 01/25/24 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 93.3 | | % | 1 | BHA0763 | 01/22/24 | 01/22/24 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.0334 | 0.0100 | mmhos/cm | 1 | BHA0832 | 01/24/24 | 01/24/24 | EPA 120.1 | |

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

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.12 | | pH Units | 1 | BHA0831 | 01/24/24 | 01/24/24 | EPA 9045D | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:29

BKG02@4.0'
2401328-05 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Boron | ND | 2.00 | mg/L | 1 | BHA0750 | 01/22/24 | 01/24/24 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|---------------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 3.60 | 0.200 | mg/kg dry | 1 | BHA0758 | 01/22/24 | 01/24/24 | EPA 6020B | |
| Barium | 54.7 | 0.400 | " | " | " | " | " | " | |
| Cadmium | 0.262 | 0.200 | " | " | " | " | " | " | |
| Copper | 6.59 | 0.400 | " | " | " | " | " | " | |
| Lead | 10.5 | 0.200 | " | " | " | " | " | " | |
| Nickel | 6.15 | 0.400 | " | " | " | " | " | " | |
| Silver | 0.0436 | 0.0200 | " | " | " | " | " | " | |
| Zinc | 27.7 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BHA0747 | 01/22/24 | 01/22/24 | EPA 7196A | |

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

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Calcium | 25.2 | 0.0500 | mg/L dry | 1 | BHA0781 | 01/23/24 | 01/25/24 | EPA 6020B | |
| Magnesium | 9.44 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 18.9 | 0.0500 | " | " | " | " | " | " | |

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)

Project Number: UWRWE-A2542-ABN
 Project Manager: Paul Henchan

Reported:
 01/25/24 16:29

BKG02@4.0'
2401328-05 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.815 | 0.00100 | units | 1 | BHA0905 | 01/25/24 | 01/25/24 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|-------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 81.6 | | % | 1 | BHA0763 | 01/22/24 | 01/22/24 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.164 | 0.0100 | mmhos/cm | 1 | BHA0832 | 01/24/24 | 01/24/24 | EPA 120.1 | |

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

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 9.27 | | pH Units | 1 | BHA0831 | 01/24/24 | 01/24/24 | EPA 9045D | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:29

BKG02@5.0'
2401328-06 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Boron | ND | 2.00 | mg/L | 1 | BHA0750 | 01/22/24 | 01/24/24 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 3.53 | 0.200 | mg/kg dry | 1 | BHA0758 | 01/22/24 | 01/24/24 | EPA 6020B | |
| Barium | 58.0 | 0.400 | " | " | " | " | " | " | |
| Cadmium | 0.274 | 0.200 | " | " | " | " | " | " | |
| Copper | 6.05 | 0.400 | " | " | " | " | " | " | |
| Lead | 9.80 | 0.200 | " | " | " | " | " | " | |
| Nickel | 4.04 | 0.400 | " | " | " | " | " | " | |
| Silver | 0.0423 | 0.0200 | " | " | " | " | " | " | |
| Zinc | 21.0 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BHA0747 | 01/22/24 | 01/22/24 | EPA 7196A | |

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

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Calcium | 23.0 | 0.0500 | mg/L dry | 1 | BHA0781 | 01/23/24 | 01/25/24 | EPA 6020B | |
| Magnesium | 8.30 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 16.3 | 0.0500 | " | " | " | " | " | " | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:29

BKG02@5.0'
2401328-06 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.741 | 0.00100 | units | 1 | BHA0905 | 01/25/24 | 01/25/24 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 90.8 | | % | 1 | BHA0763 | 01/22/24 | 01/22/24 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.126 | 0.0100 | mmhos/cm | 1 | BHA0832 | 01/24/24 | 01/24/24 | EPA 120.1 | |

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

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.68 | | pH Units | 1 | BHA0831 | 01/24/24 | 01/24/24 | EPA 9045D | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:29

BKG03@6.0"
2401328-07 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Boron | ND | 2.00 | | mg/L | 1 | BHA0750 | 01/22/24 | 01/24/24 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|--|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Arsenic | 1.91 | 0.200 | | mg/kg dry | 1 | BHA0758 | 01/22/24 | 01/24/24 | EPA 6020B | |
| Barium | 36.6 | 0.400 | | " | " | " | " | " | " | |
| Cadmium | ND | 0.200 | | " | " | " | " | " | " | |
| Copper | 3.58 | 0.400 | | " | " | " | " | " | " | |
| Lead | 6.43 | 0.200 | | " | " | " | " | " | " | |
| Nickel | 2.88 | 0.400 | | " | " | " | " | " | " | |
| Silver | 0.0246 | 0.0200 | | " | " | " | " | " | " | |
| Zinc | 13.6 | 0.400 | | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|--|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BHA0747 | 01/22/24 | 01/22/24 | EPA 7196A | |

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

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------|--|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Calcium | 16.4 | 0.0500 | | mg/L dry | 1 | BHA0781 | 01/23/24 | 01/25/24 | EPA 6020B | |
| Magnesium | 5.89 | 0.0500 | | " | " | " | " | " | " | |
| Sodium | 0.651 | 0.0500 | | " | " | " | " | " | " | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)
Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:29

BKG03@6.0"
2401328-07 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.0351 | 0.00100 | units | 1 | BHA0905 | 01/25/24 | 01/25/24 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 92.6 | | % | 1 | BHA0763 | 01/22/24 | 01/22/24 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.0480 | 0.0100 | mmhos/cm | 1 | BHA0832 | 01/24/24 | 01/24/24 | EPA 120.1 | |

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

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 6.23 | | pH Units | 1 | BHA0831 | 01/24/24 | 01/24/24 | EPA 9045D | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:29

BKG03@4.0'
2401328-08 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Boron | ND | 2.00 | mg/L | 1 | BHA0750 | 01/22/24 | 01/24/24 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 6.21 | 0.200 | mg/kg dry | 1 | BHA0758 | 01/22/24 | 01/24/24 | EPA 6020B | |
| Barium | 101 | 0.400 | " | " | " | " | " | " | |
| Cadmium | 0.409 | 0.200 | " | " | " | " | " | " | |
| Copper | 9.31 | 0.400 | " | " | " | " | " | " | |
| Lead | 15.2 | 0.200 | " | " | " | " | " | " | |
| Nickel | 6.92 | 0.400 | " | " | " | " | " | " | |
| Silver | 0.0451 | 0.0200 | " | " | " | " | " | " | |
| Zinc | 31.5 | 0.400 | " | " | " | " | " | " | |
| Selenium | 0.388 | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BHA0747 | 01/22/24 | 01/22/24 | EPA 7196A | |

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

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Calcium | 18.7 | 0.0500 | mg/L dry | 1 | BHA0781 | 01/23/24 | 01/25/24 | EPA 6020B | |
| Magnesium | 7.73 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 88.0 | 0.0500 | " | " | " | " | " | " | |

Calculated Analysis

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)
 Project Number: UWRWE-A2542-ABN
 Project Manager: Paul Henchan

Reported:
 01/25/24 16:29

BKG03@4.0'
2401328-08 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 4.32 | 0.00100 | units | 1 | BHA0905 | 01/25/24 | 01/25/24 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 91.3 | | % | 1 | BHA0763 | 01/22/24 | 01/22/24 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.621 | 0.0100 | mmhos/cm | 1 | BHA0832 | 01/24/24 | 01/24/24 | EPA 120.1 | |

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

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.73 | | pH Units | 1 | BHA0831 | 01/24/24 | 01/24/24 | EPA 9045D | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:29

BKG03@5.0'
2401328-09 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Boron | ND | 2.00 | | mg/L | 1 | BHA0750 | 01/22/24 | 01/24/24 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|--|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Arsenic | 2.25 | 0.200 | | mg/kg dry | 1 | BHA0758 | 01/22/24 | 01/24/24 | EPA 6020B | |
| Barium | 86.8 | 0.400 | | " | " | " | " | " | " | |
| Cadmium | 0.287 | 0.200 | | " | " | " | " | " | " | |
| Copper | 11.4 | 0.400 | | " | " | " | " | " | " | |
| Lead | 13.7 | 0.200 | | " | " | " | " | " | " | |
| Nickel | 4.76 | 0.400 | | " | " | " | " | " | " | |
| Silver | 0.0586 | 0.0200 | | " | " | " | " | " | " | |
| Zinc | 20.7 | 0.400 | | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|--|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BHA0747 | 01/22/24 | 01/22/24 | EPA 7196A | |

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

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------|--|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Calcium | 14.5 | 0.0500 | | mg/L dry | 1 | BHA0781 | 01/23/24 | 01/25/24 | EPA 6020B | |
| Magnesium | 9.64 | 0.0500 | | " | " | " | " | " | " | |
| Sodium | 116 | 0.0500 | | " | " | " | " | " | " | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)
Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:29

BKG03@5.0'
2401328-09 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 5.84 | 0.00100 | units | 1 | BHA0905 | 01/25/24 | 01/25/24 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 50.5 | | % | 1 | BHA0763 | 01/22/24 | 01/22/24 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.458 | 0.0100 | mmhos/cm | 1 | BHA0832 | 01/24/24 | 01/24/24 | EPA 120.1 | |

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

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 9.16 | | pH Units | 1 | BHA0831 | 01/24/24 | 01/24/24 | EPA 9045D | |

Summit Scientific

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Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:29

BKG04@6.0"
2401328-10 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Boron | ND | 2.00 | | mg/L | 1 | BHA0750 | 01/22/24 | 01/24/24 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|---------------|-----------|--|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Arsenic | 3.69 | 0.200 | | mg/kg dry | 1 | BHA0758 | 01/22/24 | 01/24/24 | EPA 6020B | |
| Barium | 77.4 | 0.400 | | " | " | " | " | " | " | |
| Cadmium | 0.274 | 0.200 | | " | " | " | " | " | " | |
| Copper | 4.97 | 0.400 | | " | " | " | " | " | " | |
| Lead | 8.79 | 0.200 | | " | " | " | " | " | " | |
| Nickel | 5.66 | 0.400 | | " | " | " | " | " | " | |
| Silver | 0.0362 | 0.0200 | | " | " | " | " | " | " | |
| Zinc | 19.7 | 0.400 | | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|--|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BHA0747 | 01/22/24 | 01/22/24 | EPA 7196A | |

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

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------------|-----------|--|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Calcium | 9.62 | 0.0500 | | mg/L dry | 1 | BHA0781 | 01/23/24 | 01/25/24 | EPA 6020B | |
| Magnesium | 2.36 | 0.0500 | | " | " | " | " | " | " | |
| Sodium | 0.669 | 0.0500 | | " | " | " | " | " | " | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)
Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:29

BKG04@6.0"
2401328-10 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.0501 | 0.00100 | units | 1 | BHA0905 | 01/25/24 | 01/25/24 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 90.5 | | % | 1 | BHA0763 | 01/22/24 | 01/22/24 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.0556 | 0.0100 | mmhos/cm | 1 | BHA0832 | 01/24/24 | 01/24/24 | EPA 120.1 | |

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

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.77 | | pH Units | 1 | BHA0831 | 01/24/24 | 01/24/24 | EPA 9045D | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:29

BKG04@4.0'
2401328-11 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Boron | ND | 2.00 | mg/L | 1 | BHA0750 | 01/22/24 | 01/24/24 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|---------------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 2.81 | 0.200 | mg/kg dry | 1 | BHA0758 | 01/22/24 | 01/24/24 | EPA 6020B | |
| Barium | 63.1 | 0.400 | " | " | " | " | " | " | |
| Cadmium | ND | 0.200 | " | " | " | " | " | " | |
| Copper | 3.47 | 0.400 | " | " | " | " | " | " | |
| Lead | 4.94 | 0.200 | " | " | " | " | " | " | |
| Nickel | 3.44 | 0.400 | " | " | " | " | " | " | |
| Silver | 0.0246 | 0.0200 | " | " | " | " | " | " | |
| Zinc | 12.1 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BHA0747 | 01/22/24 | 01/22/24 | EPA 7196A | |

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

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Calcium | 90.6 | 0.0500 | mg/L dry | 1 | BHA0781 | 01/23/24 | 01/25/24 | EPA 6020B | |
| Magnesium | 7.92 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 1.92 | 0.0500 | " | " | " | " | " | " | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)
Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:29

BKG04@4.0'
2401328-11 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.0519 | 0.00100 | units | 1 | BHA0905 | 01/25/24 | 01/25/24 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 94.4 | | % | 1 | BHA0763 | 01/22/24 | 01/22/24 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.0892 | 0.0100 | mmhos/cm | 1 | BHA0832 | 01/24/24 | 01/24/24 | EPA 120.1 | |

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

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.82 | | pH Units | 1 | BHA0831 | 01/24/24 | 01/24/24 | EPA 9045D | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:29

BKG04@5.0'
2401328-12 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Boron | ND | 2.00 | mg/L | 1 | BHA0750 | 01/22/24 | 01/24/24 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------|-------------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 2.19 | 0.200 | mg/kg dry | 1 | BHA0758 | 01/22/24 | 01/24/24 | EPA 6020B | |
| Barium | 174 | 0.400 | " | " | " | " | " | " | |
| Cadmium | ND | 0.200 | " | " | " | " | " | " | |
| Copper | 2.72 | 0.400 | " | " | " | " | " | " | |
| Lead | 4.45 | 0.200 | " | " | " | " | " | " | |
| Nickel | 3.00 | 0.400 | " | " | " | " | " | " | |
| Silver | ND | 0.0200 | " | " | " | " | " | " | |
| Zinc | 11.5 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BHA0747 | 01/22/24 | 01/22/24 | EPA 7196A | |

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

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------|-------------|-----------|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Calcium | 87.8 | 0.0500 | mg/L dry | 1 | BHA0781 | 01/23/24 | 01/25/24 | EPA 6020B | |
| Magnesium | 11.4 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 3.41 | 0.0500 | " | " | " | " | " | " | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)
Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:29

BKG04@5.0'
2401328-12 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|---------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.0909 | 0.00100 | units | 1 | BHA0905 | 01/25/24 | 01/25/24 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|-------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 94.0 | | % | 1 | BHA0763 | 01/22/24 | 01/22/24 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|---------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.0854 | 0.0100 | mmhos/cm | 1 | BHA0832 | 01/24/24 | 01/24/24 | EPA 120.1 | |

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

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.91 | | pH Units | 1 | BHA0831 | 01/24/24 | 01/24/24 | EPA 9045D | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:29

BKG05@6.0"
2401328-13 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Boron | ND | 2.00 | | mg/L | 1 | BHA0750 | 01/22/24 | 01/24/24 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|--|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Arsenic | 2.81 | 0.200 | | mg/kg dry | 1 | BHA0758 | 01/22/24 | 01/24/24 | EPA 6020B | |
| Barium | 51.5 | 0.400 | | " | " | " | " | " | " | |
| Cadmium | 0.233 | 0.200 | | " | " | " | " | " | " | |
| Copper | 4.40 | 0.400 | | " | " | " | " | " | " | |
| Lead | 7.86 | 0.200 | | " | " | " | " | " | " | |
| Nickel | 4.54 | 0.400 | | " | " | " | " | " | " | |
| Silver | 0.0406 | 0.0200 | | " | " | " | " | " | " | |
| Zinc | 16.7 | 0.400 | | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|--|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BHA0747 | 01/22/24 | 01/22/24 | EPA 7196A | |

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

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------|--|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Calcium | 78.3 | 0.0500 | | mg/L dry | 1 | BHA0781 | 01/23/24 | 01/25/24 | EPA 6020B | |
| Magnesium | 31.1 | 0.0500 | | " | " | " | " | " | " | |
| Sodium | 5.89 | 0.0500 | | " | " | " | " | " | " | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)
Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:29

BKG05@6.0"
2401328-13 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.142 | 0.00100 | units | 1 | BHA0905 | 01/25/24 | 01/25/24 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|-------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 82.8 | | % | 1 | BHA0763 | 01/22/24 | 01/22/24 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|---------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.0428 | 0.0100 | mmhos/cm | 1 | BHA0832 | 01/24/24 | 01/24/24 | EPA 120.1 | |

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

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.56 | | pH Units | 1 | BHA0831 | 01/24/24 | 01/24/24 | EPA 9045D | |

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:29

BKG05@4.0'
2401328-14 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Boron | ND | 2.00 | mg/L | 1 | BHA0750 | 01/22/24 | 01/24/24 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------|-------------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 3.17 | 0.200 | mg/kg dry | 1 | BHA0758 | 01/22/24 | 01/24/24 | EPA 6020B | |
| Barium | 48.4 | 0.400 | " | " | " | " | " | " | |
| Cadmium | ND | 0.200 | " | " | " | " | " | " | |
| Copper | 3.68 | 0.400 | " | " | " | " | " | " | |
| Lead | 5.30 | 0.200 | " | " | " | " | " | " | |
| Nickel | 3.77 | 0.400 | " | " | " | " | " | " | |
| Silver | ND | 0.0200 | " | " | " | " | " | " | |
| Zinc | 12.9 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BHA0747 | 01/22/24 | 01/22/24 | EPA 7196A | |

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

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------|-------------|-----------|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Calcium | 356 | 0.0500 | mg/L dry | 1 | BHA0781 | 01/23/24 | 01/25/24 | EPA 6020B | |
| Magnesium | 21.4 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 60.7 | 0.0500 | " | " | " | " | " | " | |

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)
Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:29

BKG05@4.0'
2401328-14 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.845 | 0.00100 | units | 1 | BHA0905 | 01/25/24 | 01/25/24 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|-------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 91.6 | | % | 1 | BHA0763 | 01/22/24 | 01/22/24 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.375 | 0.0100 | mmhos/cm | 1 | BHA0832 | 01/24/24 | 01/24/24 | EPA 120.1 | |

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

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 9.48 | | pH Units | 1 | BHA0831 | 01/24/24 | 01/24/24 | EPA 9045D | |

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Project: Noble - Furrow USX (Backgrounds)

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:29

BKG05@5.0'
2401328-15 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Boron | ND | 2.00 | mg/L | 1 | BHA0750 | 01/22/24 | 01/24/24 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 3.24 | 0.200 | mg/kg dry | 1 | BHA0758 | 01/22/24 | 01/24/24 | EPA 6020B | |
| Barium | 65.4 | 0.400 | " | " | " | " | " | " | |
| Cadmium | 0.202 | 0.200 | " | " | " | " | " | " | |
| Copper | 3.63 | 0.400 | " | " | " | " | " | " | |
| Lead | 5.51 | 0.200 | " | " | " | " | " | " | |
| Nickel | 3.80 | 0.400 | " | " | " | " | " | " | |
| Silver | 0.0265 | 0.0200 | " | " | " | " | " | " | |
| Zinc | 13.4 | 0.400 | " | " | " | " | " | " | |
| Selenium | 0.328 | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BHA0747 | 01/22/24 | 01/22/24 | EPA 7196A | |

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

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Calcium | 17.2 | 0.0500 | mg/L dry | 1 | BHA0781 | 01/23/24 | 01/25/24 | EPA 6020B | |
| Magnesium | 10.8 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 136 | 0.0500 | " | " | " | " | " | " | |

Calculated Analysis

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:29

BKG05@5.0'
2401328-15 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 6.33 | 0.00100 | units | 1 | BHA0905 | 01/25/24 | 01/25/24 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 92.0 | | % | 1 | BHA0763 | 01/22/24 | 01/22/24 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.997 | 0.0100 | mmhos/cm | 1 | BHA0832 | 01/24/24 | 01/24/24 | EPA 120.1 | |

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

Date Sampled: **01/19/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.91 | | pH Units | 1 | BHA0831 | 01/24/24 | 01/24/24 | EPA 9045D | |

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 Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)

Project Number: UWRWE-A2542-ABN
 Project Manager: Paul Henchan

Reported:
 01/25/24 16:29

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 BHA0750 - EPA 3050B

Blank (BHA0750-BLK1)

Prepared: 01/22/24 Analyzed: 01/24/24

Boron ND 2.00 mg/L

LCS (BHA0750-BS1)

Prepared: 01/22/24 Analyzed: 01/24/24

Boron 5.53 2.00 mg/L 5.00 111 80-120

Duplicate (BHA0750-DUP1)

Source: 2312139-17

Prepared: 01/22/24 Analyzed: 01/24/24

Boron 3.12 2.00 mg/L 3.17 1.55 20

Matrix Spike (BHA0750-MS1)

Source: 2312139-17

Prepared: 01/22/24 Analyzed: 01/24/24

Boron 7.26 2.00 mg/L 5.00 3.17 81.7 75-125

Matrix Spike Dup (BHA0750-MSD1)

Source: 2312139-17

Prepared: 01/22/24 Analyzed: 01/24/24

Boron 7.42 2.00 mg/L 5.00 3.17 85.1 75-125 2.30 25

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:29

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHA0758 - EPA 3050B

Blank (BHA0758-BLK1)

Prepared: 01/22/24 Analyzed: 01/24/24

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

LCS (BHA0758-BS1)

Prepared: 01/22/24 Analyzed: 01/24/24

| | | | | | | | | | | |
|----------|------|--------|-----------|------|------|--------|--|--|--|--|
| Arsenic | 35.6 | 0.200 | mg/kg wet | 40.0 | 88.9 | 80-120 | | | | |
| Barium | 37.2 | 0.400 | " | 40.0 | 93.0 | 80-120 | | | | |
| Cadmium | 1.82 | 0.200 | " | 2.00 | 90.9 | 80-120 | | | | |
| Copper | 37.6 | 0.400 | " | 40.0 | 93.9 | 80-120 | | | | |
| Lead | 18.1 | 0.200 | " | 20.0 | 90.3 | 80-120 | | | | |
| Nickel | 36.7 | 0.400 | " | 40.0 | 91.8 | 80-120 | | | | |
| Silver | 1.80 | 0.0200 | " | 2.00 | 90.1 | 80-120 | | | | |
| Zinc | 37.0 | 0.400 | " | 40.0 | 92.6 | 80-120 | | | | |
| Selenium | 4.13 | 0.260 | " | 4.00 | 103 | 80-120 | | | | |

Duplicate (BHA0758-DUP1)

Source: 2401328-01

Prepared: 01/22/24 Analyzed: 01/24/24

| | | | | | | | | | | |
|----------|--------|--------|-----------|--------|------|----|--|--|--|-------|
| Arsenic | 1.53 | 0.200 | mg/kg dry | 1.63 | 6.12 | 20 | | | | |
| Barium | 24.5 | 0.400 | " | 39.4 | 46.6 | 20 | | | | QR-04 |
| Cadmium | 0.159 | 0.200 | " | 0.161 | 1.56 | 20 | | | | |
| Copper | 2.58 | 0.400 | " | 2.73 | 5.54 | 20 | | | | |
| Lead | 5.04 | 0.200 | " | 4.97 | 1.26 | 20 | | | | |
| Nickel | 2.26 | 0.400 | " | 2.48 | 9.21 | 20 | | | | |
| Silver | 0.0121 | 0.0200 | " | 0.0154 | 24.2 | 20 | | | | QR-01 |
| Zinc | 10.4 | 0.400 | " | 11.3 | 8.64 | 20 | | | | |
| Selenium | ND | 0.260 | " | ND | | 20 | | | | |

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 Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)

Project Number: UWRWE-A2542-ABN
 Project Manager: Paul Henchan

Reported:
 01/25/24 16:29

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHA0758 - EPA 3050B

Matrix Spike (BHA0758-MS1)

Source: 2401328-01

Prepared: 01/22/24 Analyzed: 01/24/24

| | | | | | | | | | | | |
|----------|------|--------|-----------|------|--------|------|--------|--|--|--|-------|
| Arsenic | 38.8 | 0.200 | mg/kg dry | 41.6 | 1.63 | 89.2 | 75-125 | | | | |
| Barium | 61.7 | 0.400 | " | 41.6 | 39.4 | 53.4 | 75-125 | | | | QM-05 |
| Cadmium | 2.08 | 0.200 | " | 2.08 | 0.161 | 92.5 | 75-125 | | | | |
| Copper | 33.3 | 0.400 | " | 41.6 | 2.73 | 73.5 | 75-125 | | | | QM-05 |
| Lead | 23.4 | 0.200 | " | 20.8 | 4.97 | 88.5 | 75-125 | | | | |
| Nickel | 32.6 | 0.400 | " | 41.6 | 2.48 | 72.3 | 75-125 | | | | QM-05 |
| Silver | 1.88 | 0.0200 | " | 2.08 | 0.0154 | 89.8 | 75-125 | | | | |
| Zinc | 42.0 | 0.400 | " | 41.6 | 11.3 | 73.8 | 75-125 | | | | QM-05 |
| Selenium | 3.94 | 0.260 | " | 4.16 | ND | 94.8 | 75-125 | | | | |

Matrix Spike Dup (BHA0758-MSD1)

Source: 2401328-01

Prepared: 01/22/24 Analyzed: 01/24/24

| | | | | | | | | | | | |
|----------|------|--------|-----------|------|--------|------|--------|-------|----|--|-------|
| Arsenic | 39.2 | 0.200 | mg/kg dry | 41.6 | 1.63 | 90.4 | 75-125 | 1.22 | 25 | | |
| Barium | 62.2 | 0.400 | " | 41.6 | 39.4 | 54.8 | 75-125 | 0.913 | 25 | | QM-05 |
| Cadmium | 2.09 | 0.200 | " | 2.08 | 0.161 | 92.9 | 75-125 | 0.458 | 25 | | |
| Copper | 34.1 | 0.400 | " | 41.6 | 2.73 | 75.5 | 75-125 | 2.46 | 25 | | |
| Lead | 23.9 | 0.200 | " | 20.8 | 4.97 | 90.8 | 75-125 | 2.02 | 25 | | |
| Nickel | 33.4 | 0.400 | " | 41.6 | 2.48 | 74.4 | 75-125 | 2.69 | 25 | | QM-05 |
| Silver | 1.91 | 0.0200 | " | 2.08 | 0.0154 | 90.9 | 75-125 | 1.12 | 25 | | |
| Zinc | 43.1 | 0.400 | " | 41.6 | 11.3 | 76.3 | 75-125 | 2.46 | 25 | | |
| Selenium | 4.31 | 0.260 | " | 4.16 | ND | 104 | 75-125 | 9.02 | 25 | | |

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)

Project Number: UWRWE-A2542-ABN
 Project Manager: Paul Henchan

Reported:
 01/25/24 16:29

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

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

Batch BHA0747 - 3060A Mod

Blank (BHA0747-BLK1)

Prepared & Analyzed: 01/22/24

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BHA0747-BS1)

Prepared & Analyzed: 01/22/24

Chromium, Hexavalent 24.3 0.30 mg/kg wet 25.0 97.2 80-120

Duplicate (BHA0747-DUP1)

Source: 2401318-01

Prepared & Analyzed: 01/22/24

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BHA0747-MS1)

Source: 2401318-01

Prepared & Analyzed: 01/22/24

Chromium, Hexavalent 23.8 0.30 mg/kg dry 26.1 ND 91.2 75-125

Matrix Spike Dup (BHA0747-MSD1)

Source: 2401318-01

Prepared & Analyzed: 01/22/24

Chromium, Hexavalent 23.4 0.30 mg/kg dry 26.1 ND 89.8 75-125 1.55 20

Summit Scientific

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 Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)

Project Number: UWRWE-A2542-ABN
 Project Manager: Paul Henchan

Reported:
 01/25/24 16:29

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 BHA0781 - General Preparation

Blank (BHA0781-BLK1)

Prepared: 01/23/24 Analyzed: 01/25/24

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

LCS (BHA0781-BS1)

Prepared: 01/23/24 Analyzed: 01/25/24

| | | | | | | | | | | |
|-----------|------|--------|----------|------|--|-----|--------|--|--|--|
| Calcium | 6.11 | 0.0500 | mg/L wet | 5.00 | | 122 | 70-130 | | | |
| Magnesium | 5.23 | 0.0500 | " | 5.00 | | 105 | 70-130 | | | |
| Sodium | 5.09 | 0.0500 | " | 5.00 | | 102 | 70-130 | | | |

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)

Project Number: UWRWE-A2542-ABN
 Project Manager: Paul Henchan

Reported:
 01/25/24 16:29

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

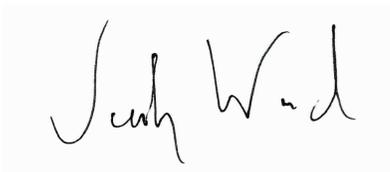
Summit Scientific

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

Batch BHA0763 - General Preparation

| Duplicate (BHA0763-DUP1) | Source: 2312139-17 | Prepared & Analyzed: 01/22/24 | | |
|--------------------------|--------------------|-------------------------------|------|----|
| % Solids | 78.4 | % 76.1 | 3.01 | 20 |

Summit Scientific



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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)

Project Number: UWRWE-A2542-ABN
 Project Manager: Paul Henchan

Reported:
 01/25/24 16:29

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 BHA0832 - General Preparation

Blank (BHA0832-BLK1)

Prepared & Analyzed: 01/24/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BHA0832-BS1)

Prepared & Analyzed: 01/24/24

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

Duplicate (BHA0832-DUP1)

Source: 2401328-01

Prepared & Analyzed: 01/24/24

Specific Conductance (EC) 0.0362 0.0100 mmhos/cm 0.0367 1.37 20

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)

Project Number: UWRWE-A2542-ABN
 Project Manager: Paul Henchan

Reported:
 01/25/24 16:29

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 BHA0831 - General Preparation

LCS (BHA0831-BS1)

Prepared & Analyzed: 01/24/24

pH 9.27 pH Units 9.18 101 95-105

Duplicate (BHA0831-DUP1)

Source: 2401328-01

Prepared & Analyzed: 01/24/24

pH 6.85 pH Units 7.06 3.02 20

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX (Backgrounds)

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:29

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.
- QR-01 Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The associated LCS and/or LCSD were within acceptance limits, therefore the data are considered valid.
- 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

January 25, 2024

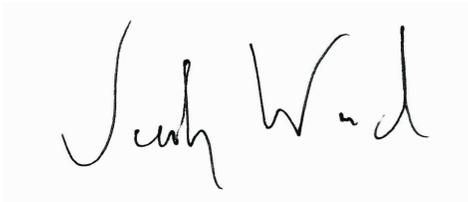
Paul Henchan
Fremont Environmental
PO Box 1289
Wellington, CO 80549

RE: Noble - Furrow USX AB 15-99Hz (BKG)

Work Order #2401326

Enclosed are the results of analyses for samples received by Summit Scientific on 01/19/24 14:01. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink that reads "Jacob Wood". The signature is written in a cursive style with a large initial "J" and a distinct "W".

Jacob Wood For Paul Shrewsbury
President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz (BKG)

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:20

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|--------------|---------------|--------|----------------|----------------|
| 99BKG06@5.0' | 2401326-01 | Soil | 01/12/24 00:00 | 01/19/24 14:01 |

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.

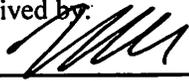
SUMMIT SCIENTIFIC

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

| | |
|---------|-------------|
| Lab ID | Page 1 of 1 |
| 2401326 | |

| | | | |
|---------------------|---|--|--|
| Send Data To: | | Send Invoice To: | |
| Client: Fremont Env | Project Manager: Paul Henehan | Company: Noble | |
| Address: | E-Mail: Paulh@fremontenv.com | Project Name/Location: Furrow USX AB 15-99HZ | |
| City/State/Zip: | Jeff@fremontenv.com Ethenb@fremontenv.com | AFE#: | |
| Phone: | Project Name: Furrow USX AB 15-99HZ (BK6) | PO/Billing Codes: UWRWE-A2542-ABN | |
| Sampler Name: J6 | Project Number: | Contact: | |

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | | Analysis Requested | | | | Special Instructions |
|----|--------------------|--------------|--------------|-----------------|--------------|------|------|-------|--------|------|----------------|--------------------|--------------------|--------------|--|----------------------|
| | | | | | HCl | HNO3 | None | Other | Water | Soil | Air-Canister # | Other | PH, SAR, EC, Boron | Metals (915) | | |
| 1 | 99BK606@5.0' | 01/12/24 | | 1 | | | X | | | X | | | X | X | | |
| 2 | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | |

| | | | | | | |
|--|-----------------------|--|--------------------------|-------------------|---------------|-----------------------------|
| Relinquished by:  | Date/Time: 01/19/24 | Received by:  | Date/Time: 1/19/24 14:01 | TAT Business Days | Field DO | Notes: Bill to Noble |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Same Day | Field EC | |
| | | | | 1 Day | Field ORP | |
| | | | | 2 Days | Field pH | |
| | | | | 3 Days | Field Temp. | |
| Temperature Upon Receipt: 0.1 | Corrected Temperature | IR gun #: Z | HNO3 lot #: | Standard | X Field Turb. | |

S₂

Sample Receipt Checklist

S2 Work Order# 2401324Client: Fremont Client Project ID: Furrow USX AB 15-99HZ (BKG)Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other Airbill #: _____ Matrix (Check all that apply) Air Soil/Solid Water Other Temp (°C) Thermometer #

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

Mikayla Axtell

Custodian Printed Name

1/19/24 14:01

Date/Time



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz (BKG)

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:20

99BKG06@5.0'
2401326-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Boron | ND | 2.00 | mg/L | 1 | BHA0771 | 01/23/24 | 01/24/24 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------|-------------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 2.50 | 0.200 | mg/kg dry | 1 | BHA0807 | 01/23/24 | 01/24/24 | EPA 6020B | |
| Barium | 38.6 | 0.400 | " | " | " | " | " | " | |
| Cadmium | ND | 0.200 | " | " | " | " | " | " | |
| Copper | 2.75 | 0.400 | " | " | " | " | " | " | |
| Lead | 4.89 | 0.200 | " | " | " | " | " | " | |
| Nickel | 3.18 | 0.400 | " | " | " | " | " | " | |
| Silver | ND | 0.0200 | " | " | " | " | " | " | |
| Zinc | 12.2 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BHA0749 | 01/22/24 | 01/22/24 | EPA 7196A | |

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

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------|-------------|-----------|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Calcium | 85.9 | 0.0500 | mg/L dry | 1 | BHA0702 | 01/19/24 | 01/23/24 | EPA 6020B | |
| Magnesium | 17.0 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 19.7 | 0.0500 | " | " | " | " | " | " | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz (BKG)
Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:20

99BKG06@5.0'
2401326-01 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.491 | 0.00100 | units | 1 | BHA0804 | 01/23/24 | 01/23/24 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 93.3 | | % | 1 | BHA0775 | 01/23/24 | 01/23/24 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.142 | 0.0100 | mmhos/cm | 1 | BHA0727 | 01/22/24 | 01/23/24 | EPA 120.1 | |

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

Date Sampled: **01/12/24 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 9.31 | | pH Units | 1 | BHA0726 | 01/22/24 | 01/23/24 | EPA 9045D | |

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz (BKG)

Project Number: UWRWE-A2542-ABN
 Project Manager: Paul Henchan

Reported:
 01/25/24 16:20

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

Summit Scientific

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

Batch BHA0771 - EPA 3050B

| | | | | | | | | | | | |
|--|------|------|------|---------------------------------------|----|------|--------|---------------------------------------|----|--|--|
| Blank (BHA0771-BLK1) | | | | Prepared: 01/23/24 Analyzed: 01/24/24 | | | | | | | |
| Boron | ND | 2.00 | mg/L | | | | | | | | |
| LCS (BHA0771-BS1) | | | | Prepared: 01/23/24 Analyzed: 01/24/24 | | | | | | | |
| Boron | 4.89 | 2.00 | mg/L | 5.00 | | 97.8 | 80-120 | | | | |
| Duplicate (BHA0771-DUP1) | | | | Source: 2401318-01 | | | | Prepared: 01/23/24 Analyzed: 01/24/24 | | | |
| Boron | ND | 2.00 | mg/L | | ND | | | | 20 | | |
| Matrix Spike (BHA0771-MS1) | | | | Source: 2401318-01 | | | | Prepared: 01/23/24 Analyzed: 01/24/24 | | | |
| Boron | 4.31 | 2.00 | mg/L | 5.00 | ND | 86.1 | 75-125 | | | | |
| Matrix Spike Dup (BHA0771-MSD1) | | | | Source: 2401318-01 | | | | Prepared: 01/23/24 Analyzed: 01/24/24 | | | |
| Boron | 4.64 | 2.00 | mg/L | 5.00 | ND | 92.9 | 75-125 | 7.55 | 25 | | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz (BKG)

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:20

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHA0807 - EPA 3050B

Blank (BHA0807-BLK1)

Prepared: 01/23/24 Analyzed: 01/24/24

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

LCS (BHA0807-BS1)

Prepared: 01/23/24 Analyzed: 01/24/24

| | | | | | | | | | | |
|----------|------|--------|-----------|------|------|--------|--|--|--|--|
| Arsenic | 33.3 | 0.200 | mg/kg wet | 40.0 | 83.3 | 80-120 | | | | |
| Barium | 34.0 | 0.400 | " | 40.0 | 85.0 | 80-120 | | | | |
| Cadmium | 1.64 | 0.200 | " | 2.00 | 82.1 | 80-120 | | | | |
| Copper | 36.1 | 0.400 | " | 40.0 | 90.2 | 80-120 | | | | |
| Lead | 16.7 | 0.200 | " | 20.0 | 83.3 | 80-120 | | | | |
| Nickel | 35.6 | 0.400 | " | 40.0 | 89.0 | 80-120 | | | | |
| Silver | 1.66 | 0.0200 | " | 2.00 | 83.2 | 80-120 | | | | |
| Zinc | 35.7 | 0.400 | " | 40.0 | 89.3 | 80-120 | | | | |
| Selenium | 3.55 | 0.260 | " | 4.00 | 88.8 | 80-120 | | | | |

Duplicate (BHA0807-DUP1)

Source: 2401326-01

Prepared: 01/23/24 Analyzed: 01/24/24

| | | | | | | | | | | |
|----------|--------|--------|-----------|--------|------|----|--|--|--|-------|
| Arsenic | 2.46 | 0.200 | mg/kg dry | 2.50 | 1.64 | 20 | | | | |
| Barium | 64.9 | 0.400 | " | 38.6 | 50.7 | 20 | | | | QR-04 |
| Cadmium | 0.145 | 0.200 | " | 0.138 | 5.16 | 20 | | | | |
| Copper | 2.90 | 0.400 | " | 2.75 | 5.32 | 20 | | | | |
| Lead | 5.31 | 0.200 | " | 4.89 | 8.27 | 20 | | | | |
| Nickel | 3.37 | 0.400 | " | 3.18 | 5.56 | 20 | | | | |
| Silver | 0.0176 | 0.0200 | " | 0.0171 | 2.47 | 20 | | | | |
| Zinc | 12.7 | 0.400 | " | 12.2 | 4.00 | 20 | | | | |
| Selenium | ND | 0.260 | " | ND | | 20 | | | | |

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz (BKG)

Project Number: UWRWE-A2542-ABN
 Project Manager: Paul Henchan

Reported:
 01/25/24 16:20

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHA0807 - EPA 3050B

| Matrix Spike (BHA0807-MS1) | Source: 2401326-01 | | | Prepared: 01/23/24 Analyzed: 01/24/24 | | | | | | | | |
|-----------------------------------|---------------------------|--------|-----------|--|--------|------|--------|--|--|--|--|-------|
| Arsenic | 33.6 | 0.200 | mg/kg dry | 42.9 | 2.50 | 72.6 | 75-125 | | | | | QM-07 |
| Barium | 67.1 | 0.400 | " | 42.9 | 38.6 | 66.4 | 75-125 | | | | | QM-07 |
| Cadmium | 1.74 | 0.200 | " | 2.14 | 0.138 | 75.0 | 75-125 | | | | | |
| Copper | 26.9 | 0.400 | " | 42.9 | 2.75 | 56.4 | 75-125 | | | | | QM-07 |
| Lead | 19.8 | 0.200 | " | 21.4 | 4.89 | 69.6 | 75-125 | | | | | QM-07 |
| Nickel | 27.4 | 0.400 | " | 42.9 | 3.18 | 56.5 | 75-125 | | | | | QM-07 |
| Silver | 1.62 | 0.0200 | " | 2.14 | 0.0171 | 74.8 | 75-125 | | | | | QM-07 |
| Zinc | 36.2 | 0.400 | " | 42.9 | 12.2 | 56.0 | 75-125 | | | | | QM-07 |
| Selenium | 3.28 | 0.260 | " | 4.29 | ND | 76.5 | 75-125 | | | | | |

| Matrix Spike Dup (BHA0807-MSD1) | Source: 2401326-01 | | | Prepared: 01/23/24 Analyzed: 01/24/24 | | | | | | | | |
|--|---------------------------|--------|-----------|--|--------|------|--------|-------|----|--|--|-------|
| Arsenic | 33.1 | 0.200 | mg/kg dry | 42.9 | 2.50 | 71.5 | 75-125 | 1.38 | 25 | | | QM-07 |
| Barium | 66.0 | 0.400 | " | 42.9 | 38.6 | 63.9 | 75-125 | 1.64 | 25 | | | QM-07 |
| Cadmium | 1.75 | 0.200 | " | 2.14 | 0.138 | 75.3 | 75-125 | 0.368 | 25 | | | |
| Copper | 27.2 | 0.400 | " | 42.9 | 2.75 | 57.1 | 75-125 | 1.13 | 25 | | | QM-07 |
| Lead | 19.7 | 0.200 | " | 21.4 | 4.89 | 68.9 | 75-125 | 0.723 | 25 | | | QM-07 |
| Nickel | 27.8 | 0.400 | " | 42.9 | 3.18 | 57.4 | 75-125 | 1.39 | 25 | | | QM-07 |
| Silver | 1.59 | 0.0200 | " | 2.14 | 0.0171 | 73.6 | 75-125 | 1.55 | 25 | | | QM-07 |
| Zinc | 36.9 | 0.400 | " | 42.9 | 12.2 | 57.7 | 75-125 | 1.97 | 25 | | | QM-07 |
| Selenium | 3.27 | 0.260 | " | 4.29 | ND | 76.3 | 75-125 | 0.249 | 25 | | | |

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Furrow USX AB 15-99Hz (BKG)

Project Number: UWRWE-A2542-ABN
 Project Manager: Paul Henchan

Reported:
 01/25/24 16:20

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

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

Batch BHA0749 - 3060A Mod

Blank (BHA0749-BLK1)

Prepared & Analyzed: 01/22/24

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BHA0749-BS1)

Prepared & Analyzed: 01/22/24

Chromium, Hexavalent 23.6 0.30 mg/kg wet 25.0 94.6 80-120

Duplicate (BHA0749-DUP1)

Source: 2401274-01

Prepared & Analyzed: 01/22/24

Chromium, Hexavalent ND 0.30 mg/kg dry ND ND 20

Matrix Spike (BHA0749-MS1)

Source: 2401274-01

Prepared & Analyzed: 01/22/24

Chromium, Hexavalent 25.4 0.30 mg/kg dry 29.8 ND 85.4 75-125

Matrix Spike Dup (BHA0749-MSD1)

Source: 2401274-01

Prepared & Analyzed: 01/22/24

Chromium, Hexavalent 25.5 0.30 mg/kg dry 29.8 ND 85.6 75-125 0.234 20

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Project Number: UWRWE-A2542-ABN
 Project Manager: Paul Henchan

Reported:
 01/25/24 16:20

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

Summit Scientific

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

Batch BHA0702 - General Preparation

Blank (BHA0702-BLK1)

Prepared: 01/19/24 Analyzed: 01/23/24

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

LCS (BHA0702-BS1)

Prepared: 01/19/24 Analyzed: 01/23/24

| | | | | | | | | | | |
|-----------|------|--------|----------|------|-----|--------|--|--|--|--|
| Calcium | 6.34 | 0.0500 | mg/L wet | 5.00 | 127 | 70-130 | | | | |
| Magnesium | 5.71 | 0.0500 | " | 5.00 | 114 | 70-130 | | | | |
| Sodium | 5.75 | 0.0500 | " | 5.00 | 115 | 70-130 | | | | |

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Project: Noble - Furrow USX AB 15-99Hz (BKG)

Project Number: UWRWE-A2542-ABN
 Project Manager: Paul Henchan

Reported:
 01/25/24 16:20

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

Summit Scientific

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

Batch BHA0775 - General Preparation

Duplicate (BHA0775-DUP1)

Source: 2401326-01

Prepared & Analyzed: 01/23/24

| | | | | | | | | | | |
|----------|------|--|---|--|------|--|--|----------|----|--|
| % Solids | 93.3 | | % | | 93.3 | | | 0.000482 | 20 | |
|----------|------|--|---|--|------|--|--|----------|----|--|

Summit Scientific



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Project: Noble - Furrow USX AB 15-99Hz (BKG)

Project Number: UWRWE-A2542-ABN
 Project Manager: Paul Henchan

Reported:
 01/25/24 16:20

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

Summit Scientific

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

Batch BHA0727 - General Preparation

Blank (BHA0727-BLK1)

Prepared: 01/22/24 Analyzed: 01/23/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BHA0727-BS1)

Prepared: 01/22/24 Analyzed: 01/23/24

Specific Conductance (EC) 0.157 0.0100 mmhos/cm 0.150 104 95-105

Duplicate (BHA0727-DUP1)

Source: 2401324-01

Prepared: 01/22/24 Analyzed: 01/23/24

Specific Conductance (EC) 0.468 0.0100 mmhos/cm 0.477 1.84 20

Summit Scientific



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Project: Noble - Furrow USX AB 15-99Hz (BKG)

Project Number: UWRWE-A2542-ABN
 Project Manager: Paul Henchan

Reported:
 01/25/24 16:20

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

Summit Scientific

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

Batch BHA0726 - General Preparation

LCS (BHA0726-BS1)

Prepared: 01/22/24 Analyzed: 01/23/24

| | | | | | |
|----|------|----------|------|------|--------|
| pH | 9.03 | pH Units | 9.18 | 98.4 | 95-105 |
|----|------|----------|------|------|--------|

Duplicate (BHA0726-DUP1)

Source: 2401324-01

Prepared: 01/22/24 Analyzed: 01/23/24

| | | | | | |
|----|------|----------|------|------|----|
| pH | 7.89 | pH Units | 8.00 | 1.38 | 20 |
|----|------|----------|------|------|----|

Summit Scientific

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Project: Noble - Furrow USX AB 15-99Hz (BKG)

Project Number: UWRWE-A2542-ABN
Project Manager: Paul Henchan

Reported:
01/25/24 16:20

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.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
- 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