

FREMONT ENVIRONMENTAL INC.

June 1, 2022

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

Subject: **Site Investigation Report**
Wardlaw 20-28, 16-28, Webster 15-28
API # 05-123-22511
SWSE Sec 28, T6N, R64W
Weld County, Colorado
Fremont Project No. C022-029
Location #450476, Remediation # 20876

Dear Mr. Peterson:

Enclosed please find a copy of the above referenced Site Investigation Report for the Wardlaw 20-28, 16-28, Webster 15-28 (Wardlaw) site in Weld County, Colorado. The enclosed report describes site investigation and sampling efforts to assess soil and water quality at the site.

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

Fremont appreciates the opportunity to provide this service.

Sincerely,
FREMONT ENVIRONMENTAL INC.



Paul V. Henehan, P.E.
Senior Consultant

Enclosure

SITE INVESTIGATION REPORT

NOBLE ENERGY INC.

WARDLAW 20-28, 16-28, WEBSTER 15-28

WELD COUNTY, COLORADO

FREMONT PROJECT NO. C022-026

LOCATION #450476, REMEDIATION #20876

Prepared by:

Fremont Environmental Inc.

1759 Redwing Lane

Broomfield, CO 80020

(303) 956-8714

June 1, 2022

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SITE INVESTIGATION REPORT
NOBLE ENERGY INC.
WARDLAW 20-28, 16-28, WEBSTER 15-28
WELD COUNTY, COLORADO
FREMONT PROJECT NO. C022-026
LOCATION #450476, REMEDIATION #20876

1.0 INTRODUCTION

The purpose of this document is to present soil and groundwater quality data collected during a site investigation at the Wardlaw tank battery site in Weld County, Colorado. Impacted soil and groundwater were identified at the former facility during abandonment activities. Prior to the project's transition to Fremont Environmental, Inc. (Fremont), Eagle Environmental Consulting, Inc. (Eagle) advanced 14 soil borings at the former Wardlaw facility on February 17, 2022. Soil impacts exceeding the COGCC Table 915-1 concentration standards necessitated further delineation of the magnitude and extent of these subsurface impacts within the vadose and saturated zones. The multi-day site investigation was continued by Fremont between March 29, 2022 and March 31, 2022.

2.0 BACKGROUND INFORMATION

2.1 Site Location

The Wardlaw site is located approximately four miles north of Kersey, Colorado in Weld County as shown on Figure 1. The site is located in a rural and agricultural area approximately 0.5 miles east of the intersection of County Road 64 and County Road 53. The location is further described as the SW $\frac{1}{4}$ of the SE $\frac{1}{4}$ of Section 28, Township 6N, Range 64W.

2.2 Site History

The site consists of the former tank battery for the Wardlaw and Webster natural gas wells. The Wardlaw 20-28 well was drilled in 2005 to a depth of approximately 6,691 feet. Soil impacts were identified at the former tank battery location following the facility's abandonment. As a result, a site investigation was undertaken to determine the magnitude and extent of impacts at the former Wardlaw tank battery location.

3.0 SITE INVESTIGATION ACTIVITIES

3.1 Soil Borings/Monitoring Wells

As noted above, 14 soil borings were advanced by Eagle at the former Wardlaw facility prior to the transfer of site investigation responsibilities to Fremont. Impacts exceeding the COGCC Table 915-1 soil standards were observed in five of the 14 borings advanced by Eagle prompting Fremont to advance 13 additional borings to gain further definition of soil impacts within the unsaturated and saturated zones at the former tank battery. During the site investigation conducted between February 2022 and March 2022, a total of 27 soil borings were advanced with nine of the borings completed as monitoring wells. The borings and wells illustrated on Figure 2 were used to determine the magnitude and extent of soil and groundwater impacts at the site.

Generally, the subsurface consists of fine sand to a depth of approximately 11 feet, which is then underlain by sandy silt to a depth approximately 17 feet, then transitions to sandy clay at 20 feet. The maximum depth of the borings was 20 feet. Groundwater is present across the site at a depth of approximately 11 feet. Geologic cross sections are presented on Figure 4.

Nine of the 27 soil borings advanced on site were completed as one-inch PVC monitoring wells. The one-inch diameter monitoring wells were constructed with ten-foot sections of well screen placed at a total depth of approximately 18 feet and completed at the ground

surface with flush-mounted vaults. Soil samples from each of the borings were evaluated in the field using a photoionization detector (PID). Logs of the borings advanced by Fremont are presented in Appendix A.

Soil samples were collected from each of the borings and sent to Origins Laboratory, Inc. and Summit Scientific, Inc. in Golden, Colorado for the analyses of benzene, toluene, ethylbenzene and total xylenes (BTEX), naphthalene, Total Petroleum Hydrocarbons – Gasoline Range Organics (TPH-GRO) by EPA method 8260B, TPH – Diesel Range Organics (TPH-DRO), Extended Range Organics (TPH-ORO) by EPA method 8015, Polycyclic Aromatic Hydrocarbons (PAHs) by EPA method 8270D, Specific Conductance (EC) by EPA Method 120.1 saturated paste extraction, saturated paste extraction of soluble nutrients by EPA method 6020/USDA60 6(2) for calculated analysis of Sodium Absorption Ratio (SAR), pH by saturated paste extraction APHA/ASTM/EPA methods, Total Metals by EPA method 6020B, and Hexavalent Chromium by EPA method 7196.

Soil impacts were observed above the COGCC Table 915-1 standards for organic petroleum constituents in 15 of the 27 soil borings at various depths. Four borings were sampled for metals and exceeded the COGCC Table 915-1 concentration standard for arsenic. A background sample was collected at a depth of one foot in native soil adjacent to the former Wardlaw tank battery; arsenic exceeded the Table 915-1 standard in this sample. Since elevated levels of arsenic were observed in both the onsite samples and the background sample, these elevated concentrations can be attributed to native soil conditions. The soil chemistry is presented on Figure 5 and summarized in Tables 1 through 4. The laboratory reports are provided in Appendix C.

3.2 Groundwater Monitoring

Groundwater levels were measured in nine monitoring wells on March 31, 2022 in accordance with the Sampling Plan included in Appendix B. The data are summarized in Tables 5 and 6.

Water table contours inferred from the March 31, 2022 data are illustrated on Figure 6. Based on these data, groundwater is inferred to flow south. The water table gradient was calculated at approximately 0.008 feet per foot (ft/ft) for the March 2022 data.

3.3 Groundwater Sampling and Analysis

Groundwater samples were collected from nine monitoring wells on March 31, 2022. All groundwater samples were submitted to Summit Scientific, Inc. in Golden, Colorado for analyses of BTEX, naphthalene, 1,2,4 and 1,3,5 trimethylbenzene (TMB) by EPA Method 8260B, inorganic petroleum constituents chloride and sulfate by EPA Method 300.0 and total dissolved solids (TDS) by Standard Method 2540C.

Groundwater in four of the nine monitoring wells achieved the COGCC Table 915-1 standards. However, benzene concentrations in MW-2 (410 µg/L) and MW-6 (11 µg/L), exceeded the COGCC Table 915-1 standard of 5 µg/L. MW-3 exceeded the COGCC standards for xylenes, 1,2,4 TMB and 1,3,5 TMB with concentrations of 5,400 µg/L, 640 µg/L and 310 µg/L; respectively. Furthermore, MW-4 and MW-5 exceeded the COGCC standard of 67 µg/L for 1,3,5 TMB with concentrations of 120 µg/L and 160 µg/L, respectively. The groundwater chemistry data are shown on Figure 7. The groundwater analytical data are summarized in Tables 5 and 6 and a copy of the laboratory's report is presented in Appendix C.

4.0 DISCUSSION

A site investigation at the Wardlaw tank battery was initiated by Eagle in February 2022 and completed by Fremont in March 2022 in response to an historical release. Twenty-

seven soil boings were advanced with nine borings completed as monitoring wells on site to delineate the magnitude and extent of soil and groundwater impacts.

Soil impacts exceeding the COGCC Table 915-1 standards were observed in 15 of the 27 soil borings as summarized in Tables 1 through 4 and Figure 5. These impacts were present at varying depths in each boring between 0.5 feet and 10 feet.

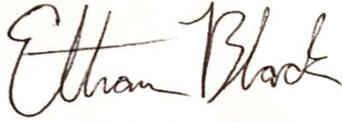
The data collected from the monitoring wells indicates that the groundwater flow direction is to the south. Further, the benzene, xylenes, 1,2,4 trimethylbenzene and/or 1,3,5 trimethylbenzene concentrations in groundwater samples from five of the nine monitoring wells exceeded the COGCC Table 915-1 standards. These data are summarized in Table 5 and illustrated on Figure 7.

Remedial actions for this site are currently being evaluated. Excavation of soil impacts within the vadose zone is recommended to gain clean closure once dissolved phase impacts in the groundwater have attenuated. Groundwater will be sampled at the Wardlaw location on a quarterly basis to evaluate the dissolved phase petroleum concentrations relative to COGCC's Table 915-1 requirements. Currently, the site has points of compliance (POC) for monitoring wells in three of four cardinal directions. Additional monitoring wells will need to be advanced south of MW-6 to achieve POC in all directions at the Wardlaw location.

5.0 REMARKS

The discussion and conclusions contained in this report represent our professional opinions. These opinions are based on currently available information and are arrived at in accordance with currently accepted hydrogeologic and engineering practices at this time and location. Other than this, no warranty is implied or intended.

This report was prepared by **FREMONT ENVIRONMENTAL INC.**



6/1/22

Date _____

Ethan Black, P.G.

Geologist

Reviewed by:



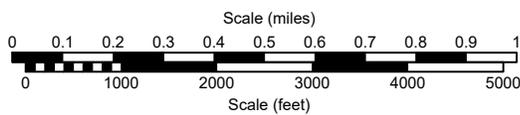
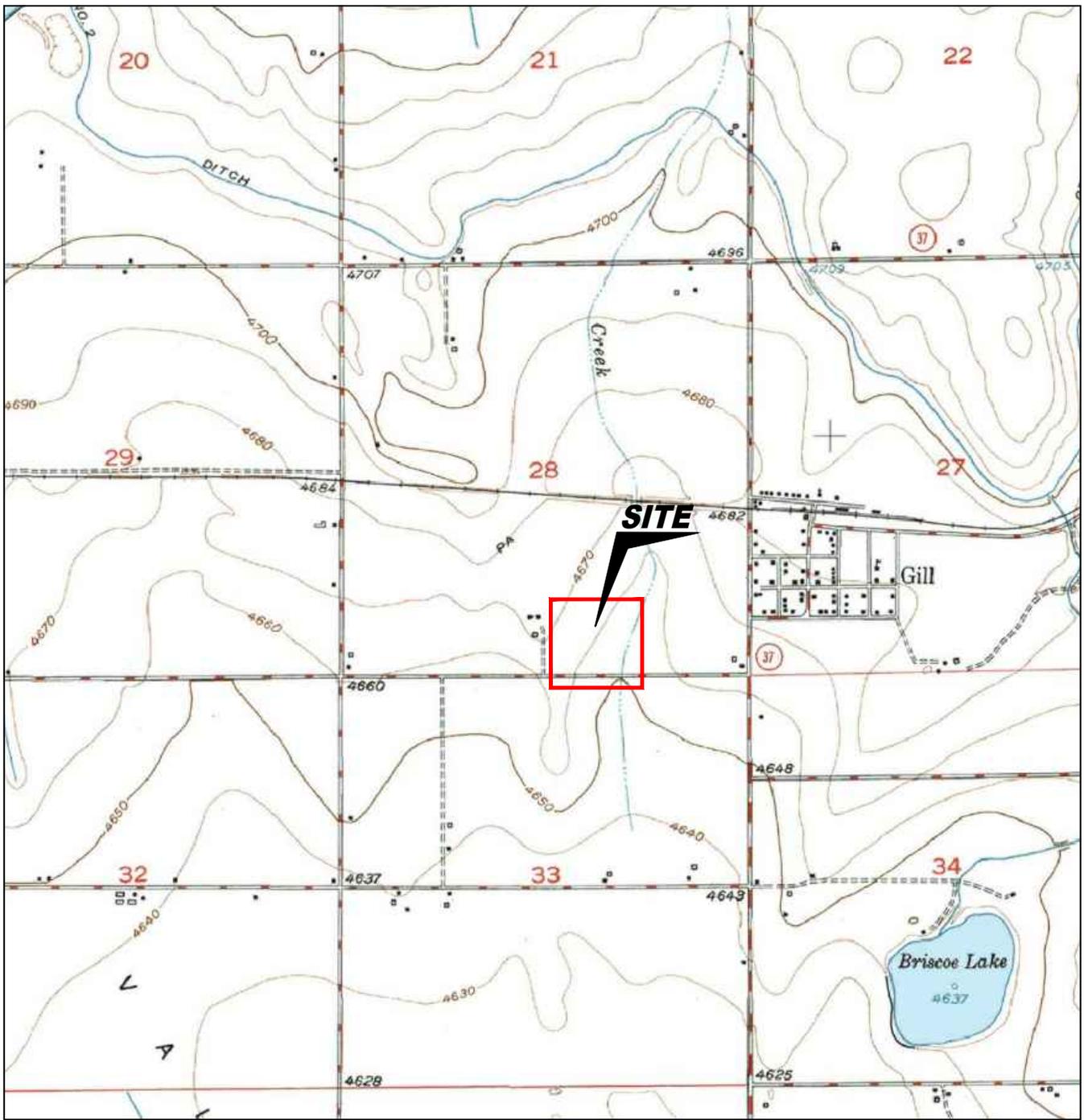
6/1/22

Date _____

Paul V. Henehan, P.E.

Senior Consultant

TABLES



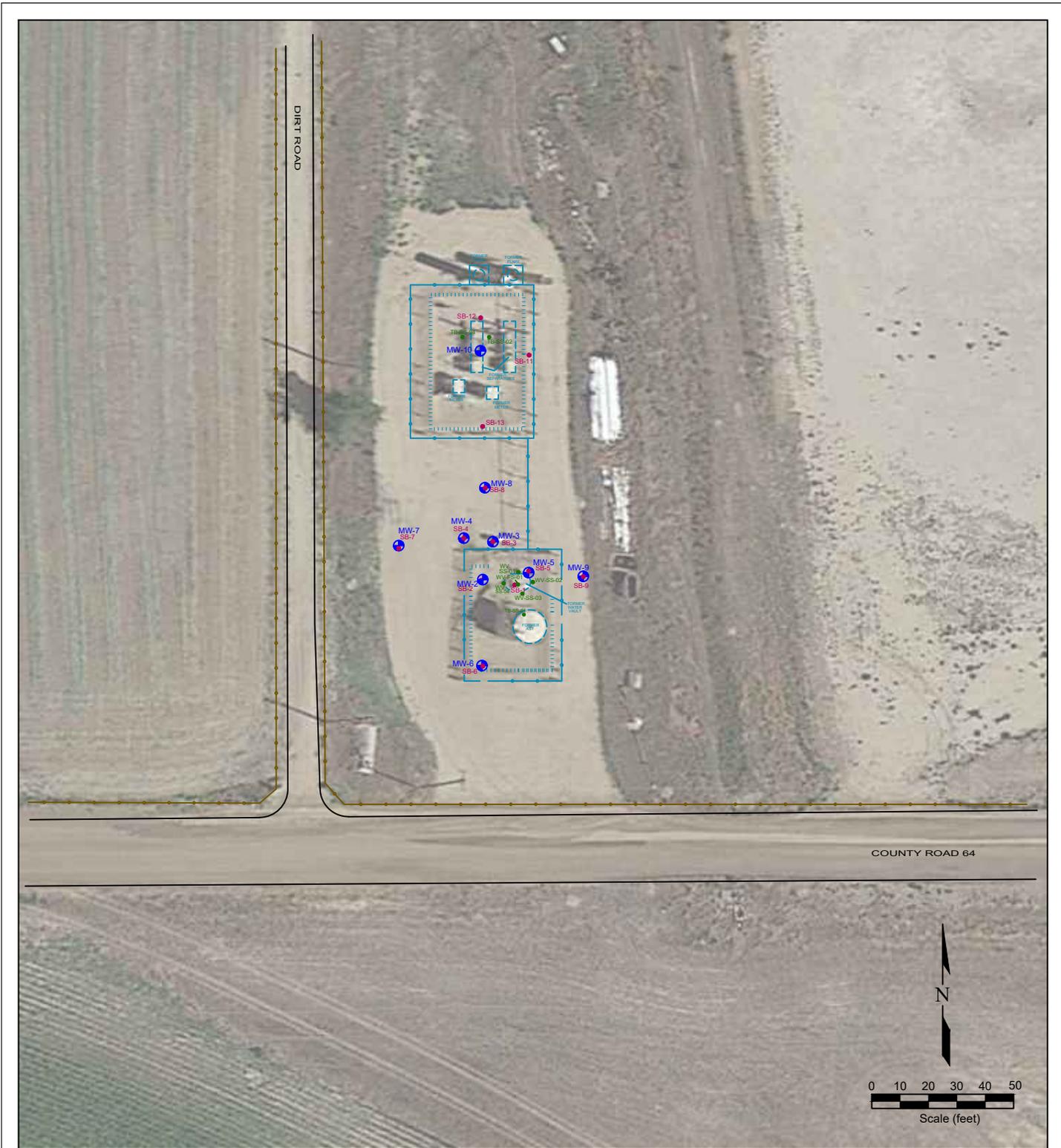
USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)

Figure 1
SITE LOCATION MAP

Noble Energy, Inc.
Wardlaw 20-28, 16-28, Webster 15-28 Tank Battery
 SWSE Sec. 28, T6N, R64W, 6th PM
 Weld County, Colorado
 40.450055°, -104.555029°

| | | |
|------------------------------|-------------------------------|-----------------------------|
| Project # C022-029 | API # 05-123-22511 | Location # 450476 |
| Date 6/13/22 | Remediation # 20876 | Filename 22029T |





LEGEND

- SOIL BORING LOCATION
- EAGLE ENVIRONMENTAL SOIL BORING LOCATION
- MONITORING WELL LOCATION
- ABOVE GROUND STORAGE TANK
- FORMER FACILITY
- CONTAINMENT BERM
- FENCE LINE

**Figure 2
SITE MAP**

Noble Energy, Inc.
Wardlaw 20-28, 16-28, Webster 15-28 Tank Battery
 SWSE Sec. 28, T6N, R64W, 6th PM
 Weld County, Colorado
 40.450055°, -104.555029°

| | | |
|--------------------------------|-------------------------------|-----------------------------|
| Project No. C022-029 | API # 05-123-22511 | Location # 450476 |
| Date 6/13/22 | Remediation # 20876 | Filename 22029Q |





LEGEND

- SOIL BORING LOCATION
- EAGLE ENVIRONMENTAL SOIL BORING LOCATION
- MONITORING WELL LOCATION
- ABOVE GROUND STORAGE TANK
- ▲▲▲▲▲ CUT LINE FOR CROSS SECTION
- FORMER FACILITY
- FORMER FACILITY
- ⋯ CONTAINMENT BERM
- FENCE LINE

Figure 3

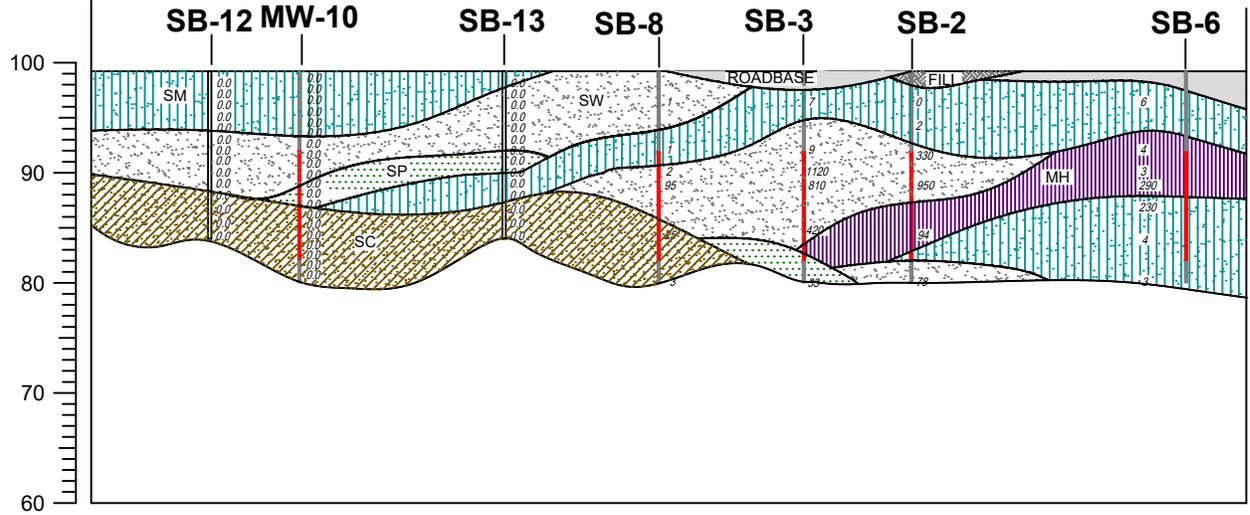
CROSS SECTION MAP

Noble Energy, Inc.
Wardlaw 20-28, 16-28, Webster 15-28 Tank Battery
 SWSE Sec. 28, T6N, R64W, 6th PM
 Weld County, Colorado
 40.450055°, -104.555029°

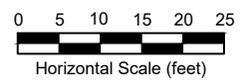
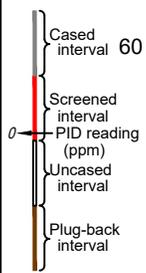
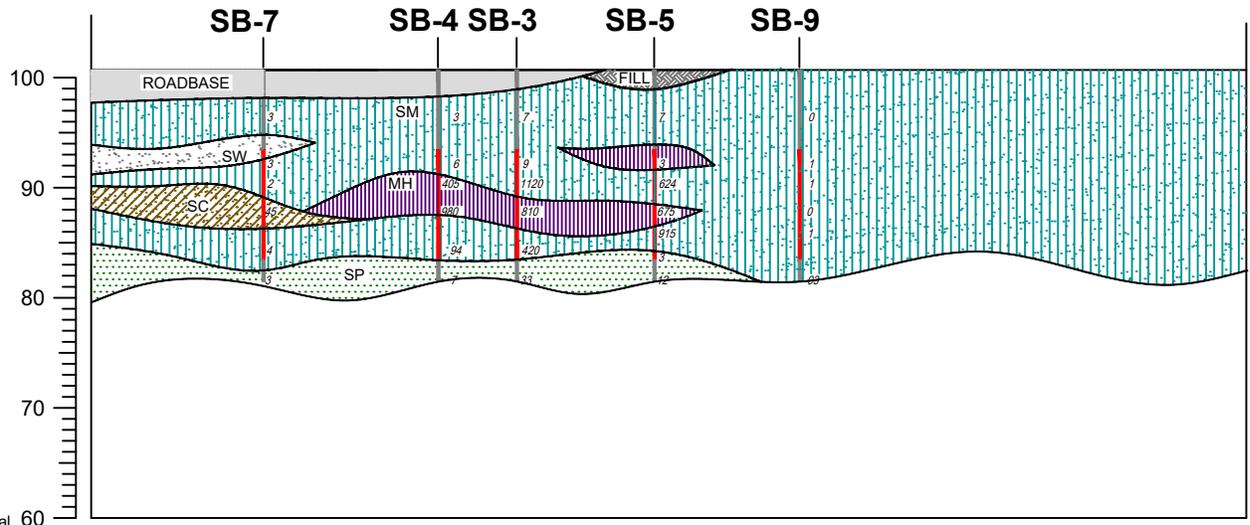
| | | |
|--------------------------------|-------------------------------|-----------------------------|
| Project No. C022-029 | API # 05-123-22511 | Location # 450476 |
| Date 6/13/22 | Remediation # 20876 | Filename 22029Q |



NORTH **A** SOUTH **A'**



WEST **B** EAST **B'**



LEGEND

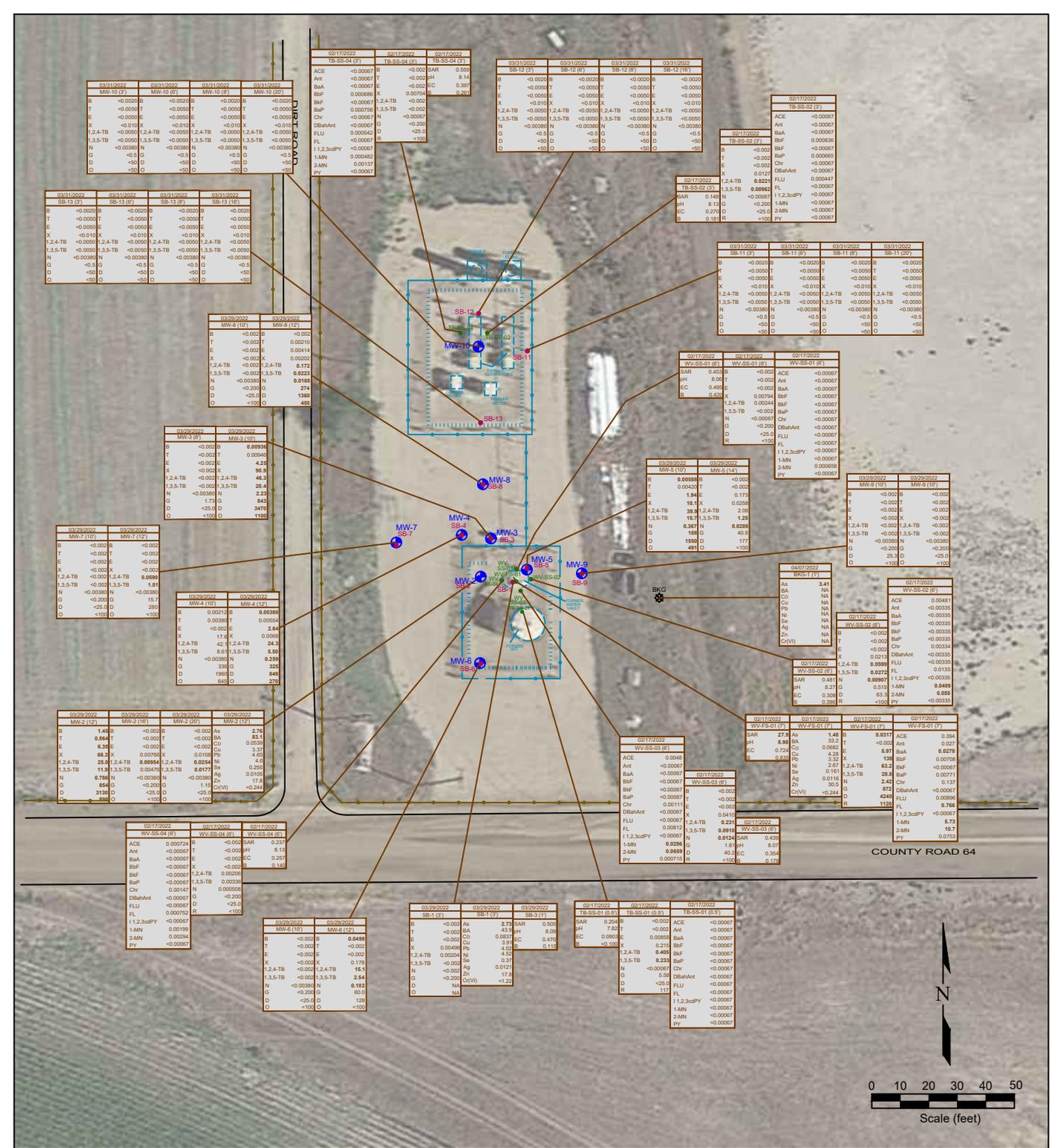
| | | |
|------------------------------|-----------------------|-----------------|
| Clay, high plasticity | Sand, well-graded | Fill |
| Clay, low plasticity | Sand, poorly-graded | Asphalt |
| Silt, high plasticity | Sand, clayey | Roadbase |
| Silt, low plasticity | Sand silty | Basin fill |
| Clay, silty high plasticity | Gravel, well-graded | Claystone |
| Clay, silty, low plasticity | Gravel, poorly-graded | Firm sandy clay |
| Silt, clayey high plasticity | Gravel, clayey | Shale |
| Silt, clayey low plasticity | Gravel, silty | Sandstone |

Figure 4
CROSS SECTION A-A' and B-B'

Noble Energy, Inc.
Wardlaw 20-28, 16-28, Webster 15-28 Tank Battery
 SWSE Sec. 28, T6N, R64W, 6th PM
 Weld County, Colorado
 40.450055°, -104.555029°

| | | |
|--------------------------------|-------------------------------|-----------------------------|
| Project No. C022-029 | API # 05-123-22511 | Location # 450476 |
| Date 6/13/22 | Remediation # 20876 | Filename 22029Q |





LEGEND

- SOIL BORING LOCATION
- EAGLE ENVIRONMENTAL SOIL BORING LOCATION
- MONITORING WELL LOCATION
- SOIL SAMPLE LOCATION
- ABOVE GROUND STORAGE TANK
- FORMER FACILITY
- ⋯ CONTAMINANT BERM
- FENCE LINE

| 02/17/2022 | DATE SAMPLED | 02/17/2022 | DATE SAMPLED |
|--------------|--------------------------|--------------|--------------------------|
| TB-SS-04 (3) | SAMPLE ID and DEPTH (ft) | TB-SS-04 (3) | SAMPLE ID and DEPTH (ft) |
| ACE | <0.0007 | B | <0.0002 |
| Ant | <0.0007 | EC | <0.0002 |
| BaA | <0.0007 | EC | 0.397 |
| BaP | 0.00068 | EC | 0.257 |
| BaP | 0.00076 | EC | 0.143 |
| Chr | <0.0007 | FLU | <0.0002 |
| DbaHant | <0.0007 | FLU | <0.0002 |
| FLU | 0.000542 | FLU | <0.0002 |
| FL | <0.0007 | FLU | <0.0002 |
| 11.2.3ocPY | <0.0007 | FLU | <0.0002 |
| 1.4N | 0.000482 | FLU | <0.0002 |
| 2.4N | 0.00137 | FLU | <0.0002 |
| PY | <0.0007 | FLU | <0.0002 |

| 02/17/2022 | DATE SAMPLED | 02/17/2022 | DATE SAMPLED |
|--------------|--------------------------|--------------|--------------------------|
| TB-SS-04 (3) | SAMPLE ID and DEPTH (ft) | TB-SS-04 (3) | SAMPLE ID and DEPTH (ft) |
| ACE | <0.0007 | ACE | <0.0002 |
| Ant | <0.0007 | Ant | <0.0002 |
| BaA | <0.0007 | BaA | <0.0002 |
| BaP | 0.00068 | BaP | 0.00074 |
| BaP | 0.00076 | BaP | 0.00074 |
| Chr | <0.0007 | Chr | <0.0002 |
| DbaHant | <0.0007 | DbaHant | <0.0002 |
| FLU | 0.000542 | FLU | <0.0002 |
| FL | <0.0007 | FL | <0.0002 |
| 11.2.3ocPY | <0.0007 | 11.2.3ocPY | <0.0002 |
| 1.4N | 0.000482 | 1.4N | <0.0002 |
| 2.4N | 0.00137 | 2.4N | <0.0002 |
| PY | <0.0007 | PY | <0.0002 |

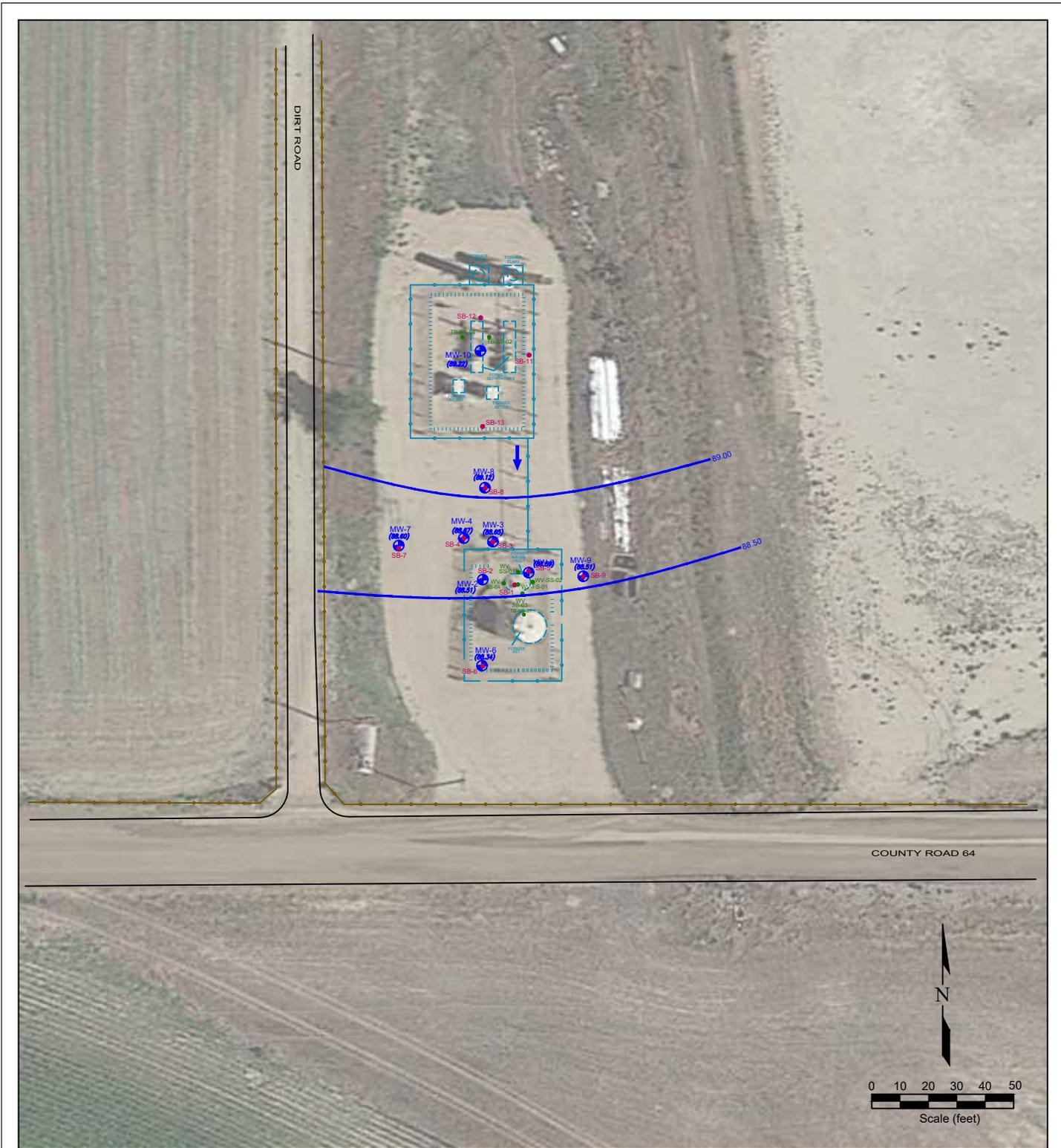
| 02/17/2022 | DATE SAMPLED | 02/17/2022 | DATE SAMPLED |
|--------------|--------------------------|--------------|--------------------------|
| TB-SS-04 (3) | SAMPLE ID and DEPTH (ft) | TB-SS-04 (3) | SAMPLE ID and DEPTH (ft) |
| ACE | <0.0007 | ACE | <0.0002 |
| Ant | <0.0007 | Ant | <0.0002 |
| BaA | <0.0007 | BaA | <0.0002 |
| BaP | 0.00068 | BaP | 0.00074 |
| BaP | 0.00076 | BaP | 0.00074 |
| Chr | <0.0007 | Chr | <0.0002 |
| DbaHant | <0.0007 | DbaHant | <0.0002 |
| FLU | 0.000542 | FLU | <0.0002 |
| FL | <0.0007 | FL | <0.0002 |
| 11.2.3ocPY | <0.0007 | 11.2.3ocPY | <0.0002 |
| 1.4N | 0.000482 | 1.4N | <0.0002 |
| 2.4N | 0.00137 | 2.4N | <0.0002 |
| PY | <0.0007 | PY | <0.0002 |

| 02/17/2022 | DATE SAMPLED | 02/17/2022 | DATE SAMPLED |
|--------------|--------------------------|--------------|--------------------------|
| TB-SS-04 (3) | SAMPLE ID and DEPTH (ft) | TB-SS-04 (3) | SAMPLE ID and DEPTH (ft) |
| ACE | <0.0007 | ACE | <0.0002 |
| Ant | <0.0007 | Ant | <0.0002 |
| BaA | <0.0007 | BaA | <0.0002 |
| BaP | 0.00068 | BaP | 0.00074 |
| BaP | 0.00076 | BaP | 0.00074 |
| Chr | <0.0007 | Chr | <0.0002 |
| DbaHant | <0.0007 | DbaHant | <0.0002 |
| FLU | 0.000542 | FLU | <0.0002 |
| FL | <0.0007 | FL | <0.0002 |
| 11.2.3ocPY | <0.0007 | 11.2.3ocPY | <0.0002 |
| 1.4N | 0.000482 | 1.4N | <0.0002 |
| 2.4N | 0.00137 | 2.4N | <0.0002 |
| PY | <0.0007 | PY | <0.0002 |

Figure 5
SOIL CHEMISTRY MAP
 Noble Energy, Inc.
 Wardlaw 20-28, 16-28, Webster 15-28 Tank Battery
 SWSE Sec. 28, T6N, R64W, 6th PM
 Weld County, Colorado
 40.450055°, -104.555029°

| | | |
|--------------------------------|-------------------------------|-----------------------------|
| Project No. C022-029 | API # 05-123-22511 | Location # 450476 |
| Date 6/13/22 | Remediation # 20876 | Filename 22029Q |

RE/MON ENVIRONMENTAL



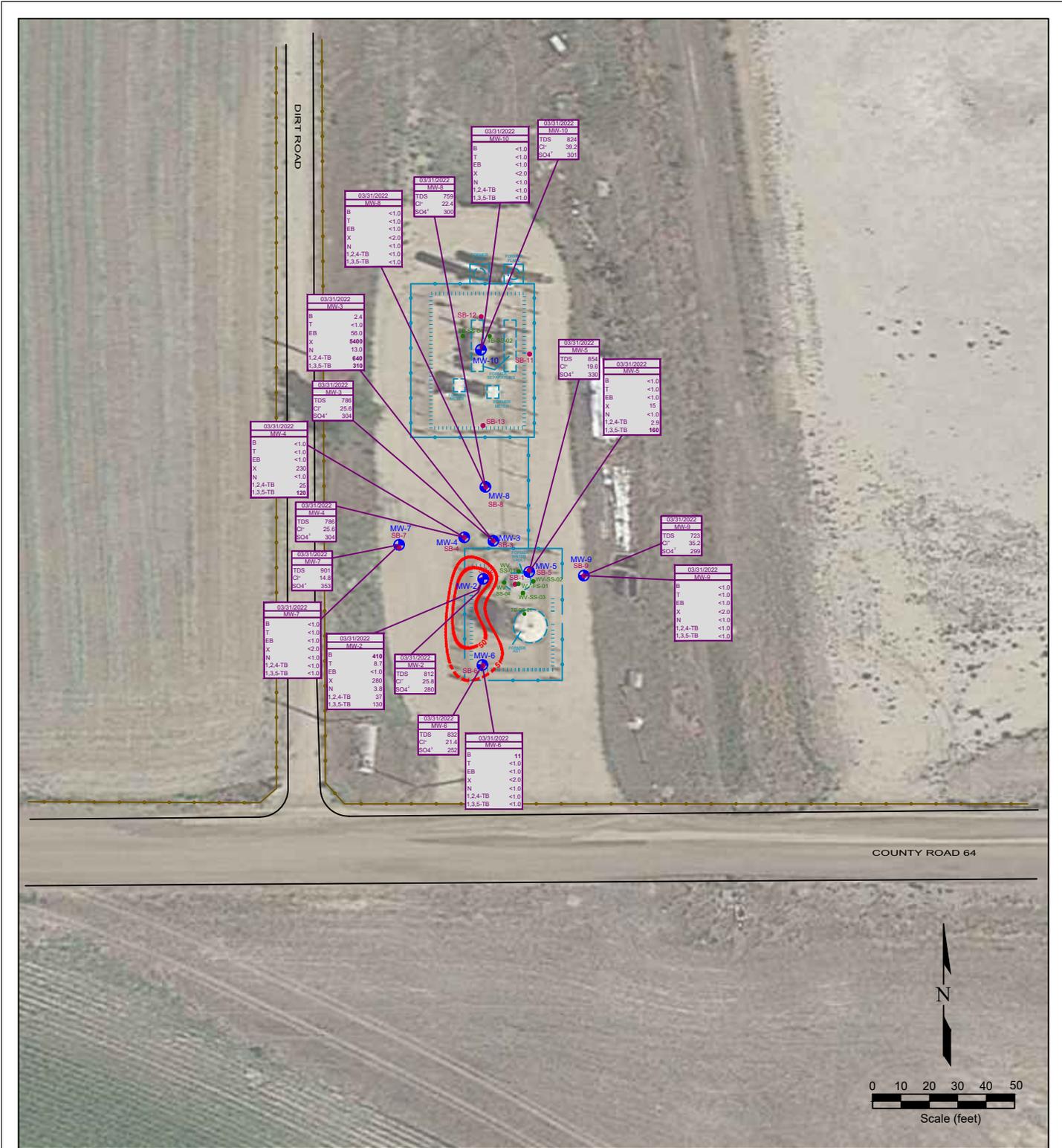
LEGEND

- SOIL BORING LOCATION
- EAGLE ENVIRONMENTAL SOIL BORING LOCATION
- MONITORING WELL LOCATION
- ABOVE GROUND STORAGE TANK
- FORMER FACILITY
- CONTAINMENT BERM
- FENCE LINE
- (73.54) GROUNDWATER ELEVATION
- ← GROUNDWATER FLOW DIRECTION (Below arbitrary datum)
- 73.00 WATER TABLE CONTOUR

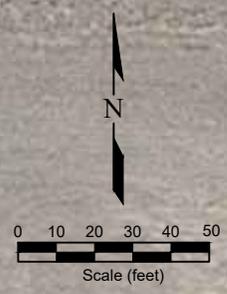
Figure 6
INFERRED GROUNDWATER CONTOUR MAP
 March 31, 2022
 Noble Energy, Inc.
 Wardlaw 20-28, 16-28, Webster 15-28 Tank Battery
 SWSE Sec. 28, T6N, R64W, 6th PM
 Weld County, Colorado
 40.450055°, -104.555029°

| | | |
|--------------------------------|-------------------------------|-----------------------------|
| Project No. C022-029 | API # 05-123-22511 | Location # 450476 |
| Date 6/13/22 | Remediation # 20876 | Filename 22029Q |





COUNTY ROAD 64



LEGEND

- SOIL BORING LOCATION
- EAGLE ENVIRONMENTAL SOIL BORING LOCATION
- MONITORING WELL LOCATION
- ABOVE GROUND STORAGE TANK
- FORMER FACILITY
- CONTAINMENT BERM
- FENCE LINE
- BENZENE ISOCENTRATION (ug/L)
Dashed where inferred

| 03/31/2022 | DATE SAMPLED | 03/31/2022 | DATE SAMPLED |
|------------|--------------|------------|--------------|
| MW-2 | SAMPLE ID | MW-2 | SAMPLE ID |
| B | 410 | TDS | 812 |
| T | <1.0 | CF | 25.6 |
| EB | <1.0 | SO4 | 280 |
| X | 280 | | |
| N | 3.8 | | |
| 1,2,4-TB | 37 | | |
| 1,3,5-TB | 130 | | |

| 03/31/2022 | DATE SAMPLED | 03/31/2022 | DATE SAMPLED |
|------------|--------------|------------|--------------|
| MW-2 | SAMPLE ID | MW-2 | SAMPLE ID |
| B | 410 | TDS | 812 |
| T | <1.0 | CF | 25.6 |
| EB | <1.0 | SO4 | 280 |
| X | 280 | | |
| N | 3.8 | | |
| 1,2,4-TB | 37 | | |
| 1,3,5-TB | 130 | | |

Figure 7
GROUNDWATER CHEMISTRY MAP
 March 31, 2022
 Noble Energy, Inc.
 Wardlaw 20-28, 16-28, Webster 15-28 Tank Battery
 SWSE Sec. 28, T6N, R64W, 6th PM
 Weld County, Colorado
 40.450055°, -104.555029°

| | | | |
|--------------------------------|-------------------------------|-----------------------------|--|
| Project No. C022-029 | API # 05-123-22511 | Location # 450476 | |
| Date 6/13/22 | Remediation # 20876 | Filename 22029Q | |

TABLES

TABLE 1
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
NOBLE ENERGY INC.
WARDLAW 20-28, WEBSTER 15-28, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C022-029

| Sample | Date Sampled | Depth (ft) | Location | Benzene (mg/kg) | Toluene (mg/kg) | Ethyl-Benzene (mg/kg) | Xylenes (mg/kg) | 1,2,4-Trimethyl-Benzene (mg/kg) | 1,3,5-Trimethyl-Benzene (mg/kg) | Naphthalene (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH ORO (mg/kg) |
|-----------------|--------------|------------|----------|-----------------|-----------------|-----------------------|-----------------|---------------------------------|---------------------------------|---------------------|-----------------|-----------------|-----------------|
| TB-SS-01 @ 0.5' | 2/17/2022 | 0.5 | Boring | <0.002 | <0.002 | 0.00858 | 0.125 | 0.405 | 0.233 | <0.00067 | 5.58 | <25.0 | 117 |
| TB-SS-02 @ 3' | 2/17/2022 | 3 | Boring | <0.002 | <0.002 | <0.002 | 0.0127 | 0.0221 | 0.00962 | <0.00067 | <0.200 | <25.0 | <100 |
| TB-SS-04 @ 3' | 2/17/2022 | 3 | Boring | <0.002 | <0.002 | <0.002 | 0.00704 | <0.002 | <0.002 | <0.00067 | <0.200 | <25.0 | <100 |
| WV-SS-01 @ 6' | 2/17/2022 | 6 | Boring | <0.002 | <0.002 | <0.002 | 0.00794 | 0.00244 | <0.002 | <0.00067 | <0.200 | <25.0 | <100 |
| WV-SS-02 @ 6' | 2/17/2022 | 6 | Boring | <0.002 | <0.002 | <0.002 | 0.0213 | 0.0599 | 0.0272 | 0.00907 | 0.515 | 63.3 | <100 |
| WV-SS-03 @ 6' | 2/17/2022 | 6 | Boring | <0.002 | <0.002 | <0.002 | 0.041 | 0.231 | 0.0918 | 0.0124 | 1.81 | 40.2 | <100 |
| WV-SS-04 @ 6' | 2/17/2022 | 6 | Boring | <0.002 | <0.002 | <0.002 | <0.002 | 0.00206 | 0.00336 | 0.000508 | <0.200 | <25.0 | <100 |
| WV-FS-01 @ 7' | 2/17/2022 | 7 | Boring | 0.0317 | <0.002 | 5.97 | 138 | 63.2 | 28.8 | 2.42 | 872 | 4240 | 1120 |
| SB-1 3 Ft | 3/29/2022 | 3 | Boring | <0.002 | <0.002 | <0.002 | 0.00496 | 0.00204 | <0.002 | <0.002 | <0.200 | NA | NA |
| MW-2 12 Ft | 3/29/2022 | 12 | Boring | 1.45 | 0.864 | 6.35 | 66.3 | 25.0 | 11.9 | 0.786 | 854 | 3130 | 898 |
| MW-2 16 Ft | 3/29/2022 | 16 | Boring | <0.002 | <0.002 | <0.002 | 0.00766 | 0.00954 | 0.00476 | <0.00380 | <0.200 | <25.0 | <100 |
| MW-2 20 Ft | 3/29/2022 | 20 | Boring | <0.002 | <0.002 | <0.002 | 0.0108 | 0.0254 | 0.0117 | <0.00380 | 1.15 | <25.0 | <100 |
| MW-3 8 Ft | 3/29/2022 | 8 | Boring | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.00380 | 1.73 | <25.0 | <100 |
| MW-3 10 Ft | 3/29/2022 | 10 | Boring | 0.00936 | 0.00946 | 4.25 | 90.9 | 46.3 | 20.4 | 2.23 | 843 | 3470 | 1100 |
| MW-4 10 Ft | 3/29/2022 | 10 | Boring | 0.00212 | 0.00380 | <0.002 | 17.6 | 42.1 | 8.61 | <0.00380 | 336 | 1960 | 645 |
| MW-4 12 Ft | 3/29/2022 | 12 | Boring | 0.00380 | 0.00554 | 2.64 | 0.0068 | 24.3 | 5.50 | 0.259 | 325 | 849 | 270 |
| MW-5 10 Ft | 3/29/2022 | 10 | Boring | 0.00588 | 0.00420 | 1.94 | 10.1 | 39.9 | 15.7 | 0.367 | 188 | 1550 | 491 |
| MW-5 14 Ft | 3/29/2022 | 14 | Boring | <0.002 | <0.002 | 0.175 | 0.0258 | 2.08 | 1.25 | 0.0288 | 40.9 | 177 | <100 |
| MW-6 10 Ft | 3/29/2022 | 10 | Boring | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.00380 | <0.200 | <25.0 | <100 |
| MW-6 12 Ft | 3/29/2022 | 12 | Boring | 0.0498 | <0.002 | <0.002 | 0.178 | 15.1 | 2.54 | 0.102 | 60.0 | 128 | <100 |
| MW-7 10 Ft | 3/29/2022 | 10 | Boring | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.00380 | <0.200 | <25.0 | <100 |
| MW-7 12 Ft | 3/29/2022 | 12 | Boring | <0.002 | <0.002 | <0.002 | <0.002 | 0.0590 | 1.01 | <0.00380 | 15.7 | 280 | <100 |
| MW-8 10 Ft | 3/29/2022 | 10 | Boring | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.00380 | <0.200 | <25.0 | <100 |
| MW-8 12 Ft | 3/29/2022 | 12 | Boring | <0.002 | 0.00210 | 0.00414 | 0.00202 | 0.172 | 0.0223 | 0.0168 | 274 | 1360 | 450 |
| MW-9 10 Ft | 3/29/2022 | 10 | Boring | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.00380 | <0.200 | 25.3 | <100 |
| MW-9 12 Ft | 3/29/2022 | 12 | Boring | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.00380 | <0.200 | <25.0 | <100 |
| MW-10 20ft | 3/31/2022 | 20 | Boring | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.5 | <50 | <50 |
| MW-10 3ft | 3/31/2022 | 3 | Boring | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.5 | <50 | <50 |
| MW-10 6ft | 3/31/2022 | 6 | Boring | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.5 | <50 | <50 |
| MW-10 8ft | 3/31/2022 | 8 | Boring | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.5 | <50 | <50 |
| SB-11 20ft | 3/31/2022 | 20 | Boring | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.5 | <50 | <50 |
| SB-11 3ft | 3/31/2022 | 3 | Boring | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.5 | <50 | <50 |

| Sample | Date Sampled | Depth (ft) | Location | Benzene (mg/kg) | Toluene (mg/kg) | Ethyl-Benzene (mg/kg) | Xylenes (mg/kg) | 1,2,4-Trimethyl-Benzene (mg/kg) | 1,3,5-Trimethyl-Benzene (mg/kg) | Naphthalene (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH ORO (mg/kg) |
|--|--------------|------------|----------|-----------------|-----------------|-----------------------|-----------------|---------------------------------|---------------------------------|---------------------|-----------------|-----------------|-----------------|
| SB-11 6ft | 3/31/2022 | 6 | Boring | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.5 | <50 | <50 |
| SB-11 8ft | 3/31/2022 | 8 | Boring | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.5 | <50 | <50 |
| SB-12 16ft | 3/31/2022 | 16 | Boring | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.5 | <50 | <50 |
| SB-12 3ft | 3/31/2022 | 3 | Boring | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.5 | <50 | <50 |
| SB-12 6ft | 3/31/2022 | 6 | Boring | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.5 | <50 | <50 |
| SB-12 8ft | 3/31/2022 | 8 | Boring | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.5 | <50 | <50 |
| SB-13 16ft | 3/31/2022 | 16 | Boring | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.5 | <50 | <50 |
| SB-13 3ft | 3/31/2022 | 3 | Boring | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.5 | <50 | <50 |
| SB-13 6ft | 3/31/2022 | 6 | Boring | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.5 | <50 | <50 |
| SB-13 8ft | 3/31/2022 | 8 | Boring | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.5 | <50 | <50 |
| COGCC Table 915-1 Limits (Residential SSL) | | | | 1.2 | 490 | 5.8 | 58 | 30 | 27 | 2 | 500 | 500 | 500 |
| COGCC Table 915-1 Limits (Protection of Groundwater SSL) | | | | 0.0026 | 0.69 | 0.78 | 9.9 | 0.0081 | 0.0087 | 0.0038 | 500 | 500 | 500 |

Bold faced values exceed the COGCC Table 915-1 concentrations

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

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

TABLE 2
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
NOBLE ENERGY INC.
WARDLAW 20-28, WEBSTER 15-28, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C022-029

| Sample | Date Sampled | Depth (ft) | Location | Acenaphthene (mg/kg) | Anthracene (mg/kg) | Benzo (a) anthracene (mg/kg) | Benzo (a) pyrene (mg/kg) | Benzo (b) fluoranthene (mg/kg) | Benzo (k) fluoranthene (mg/kg) | Chrysene (mg/kg) | Dibenz (a,h) anthracene (mg/kg) | Fluoranthene (mg/kg) | Fluorene (mg/kg) | Indeno (1,2,3-cd) pyrene (mg/kg) | Pyrene (mg/kg) | 1-Methyl - naphthalene (mg/kg) | 2-Methyl- naphthalene (mg/kg) |
|--|--------------|------------|----------|----------------------|--------------------|------------------------------|--------------------------|--------------------------------|--------------------------------|------------------|---------------------------------|----------------------|------------------|----------------------------------|----------------|--------------------------------|-------------------------------|
| TB-SS-01 @ 0.5' | 2/17/2022 | 0.5 | Boring | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 |
| TB-SS-02 @ 3' | 2/17/2022 | 3 | Boring | <0.00067 | <0.00067 | <0.00067 | 0.000665 | 0.000836 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 |
| TB-SS-04 @ 3' | 2/17/2022 | 3 | Boring | <0.00067 | <0.00067 | <0.00067 | 0.000756 | 0.000686 | <0.00067 | <0.00067 | <0.00067 | 0.000542 | <0.00067 | <0.00067 | <0.00067 | 0.000482 | 0.00137 |
| WV-SS-01 @ 6' | 2/17/2022 | 6 | Boring | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | 0.000658 |
| WV-SS-02 @ 6' | 2/17/2022 | 6 | Boring | 0.00481 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | 0.00334 | <0.00067 | <0.00067 | 0.0135 | <0.00067 | <0.00067 | 0.0409 | 0.055 |
| WV-SS-03 @ 6' | 2/17/2022 | 6 | Boring | 0.0048 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | 0.00111 | <0.00067 | <0.00067 | 0.00812 | <0.00067 | 0.000715 | 0.0286 | 0.0659 |
| WV-SS-04 @ 6' | 2/17/2022 | 6 | Boring | 0.000724 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | 0.00147 | <0.00067 | <0.00067 | 0.000752 | <0.00067 | 0.000715 | 0.00199 | 0.00294 |
| WV-FS-01 @ 7' | 2/17/2022 | 7 | Boring | 0.394 | 0.027 | 0.0276 | 0.00771 | 0.00708 | <0.00067 | 0.137 | <0.00067 | 0.00896 | 0.766 | <0.00067 | 0.0753 | 5.73 | 10.7 |
| MW-2 12 Ft | 3/29/2022 | 12 | Boring | 0.147 | 0.00814 | <0.00986 | <0.00936 | <0.0134 | <0.0134 | 0.0405 | <0.0134 | <0.0134 | 0.271 | <0.0134 | 0.0201 | 1.33 | 2.61 |
| MW-10 3ft | 3/31/2022 | 3 | Boring | <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 |
| COGCC Table 915-1 Limits (Residential SSL) | | | | 360 | 1800 | 1.1 | 0.11 | 1.1 | 11 | 110 | 0.11 | 240 | 240 | 1.1 | 180 | 18 | 24 |
| COGCC Table 915-1 Limits (Protection of Groundwater SSL) | | | | 0.55 | 5.8 | 0.011 | 0.24 | 0.3 | 2.9 | 9 | 0.096 | 8.9 | 0.54 | 0.98 | 1.3 | 0.006 | 0.019 |

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

TABLE 3
SUMMARY OF INORGANIC SOIL CHEMISTRY DATA
NOBLE ENERGY INC.
WARDLAW 20-28, WEBSTER 15-28, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C022-029

| SAMPLE LOCATION | DATE SAMPLED | DEPTH ft | EC mmhos/cm | pH pH units | SAR units | BORON mg/L |
|--------------------|--------------|----------|-------------|-------------|-------------|------------|
| TB-SS-01 @ 0.5' | 2/17/2022 | 0.5 | 0.09 | 7.82 | 0.204 | <0.100 |
| TB-SS-02 @ 3' | 2/17/2022 | 3 | 0.270 | 8.13 | 0.148 | 0.181 |
| TB-SS-04 @ 3' | 2/17/2022 | 3 | 0.397 | 8.14 | 0.559 | 0.261 |
| WV-SS-01 @ 6' | 2/17/2022 | 6 | 0.495 | 8.06 | 0.435 | 0.420 |
| WV-SS-02 @ 6' | 2/17/2022 | 6 | 0.308 | 8.27 | 0.481 | 0.396 |
| WV-SS-03 @ 6' | 2/17/2022 | 6 | 0.354 | 8.07 | 0.439 | 0.178 |
| WV-SS-04 @ 6' | 2/17/2022 | 6 | 0.257 | 8.13 | 0.237 | 0.14 |
| WV-FS-01 @ 7' | 2/17/2022 | 7 | 0.724 | 8.98 | 27.9 | 0.835 |
| SB-1 3 Ft | 3/29/2022 | 3 | 0.210 | 7.63 | 0.214 | 0.159 |
| MW-10 3ft | 03/31/2022 | 3 | 0.470 | 8.09 | 0.505 | 0.115 |
| Table 915-1 Limits | | | <4 | 6-8.3 | <6 | 2 |

Bold face values exceed the COGCC Limits

TABLE 4
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE ENERGY INC.
WARDLAW 20-28, WEBSTER 15-28, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C022-029

| Sample | Date Sampled | Depth (ft) | Arsenic (mg/kg) | Barium (mg/kg) | Cadmium (mg/kg) | Copper (mg/kg) | Lead (mg/kg) | Nickel (mg/kg) | Selenium (mg/kg) | Silver (mg/kg) | Zinc (mg/kg) | Chromium (mg/kg) |
|--|--------------|------------|-----------------|----------------|-----------------|----------------|--------------|----------------|------------------|----------------|--------------|------------------|
| WV-FS-01 @ 7' | 2/17/2022 | 7 | 1.48 | 33.2 | 0.0682 | 4.28 | 3.32 | 2.67 | 0.161 | 0.0116 | 30.5 | <0.244 |
| SB-1 3 Ft | 3/29/2022 | 3 | 2.73 | 43.9 | 0.0837 | 3.91 | 4.02 | 4.52 | 0.37 | 0.0121 | 17.8 | <1.22 |
| MW-2 12 Ft | 3/29/2022 | 12 | 2.76 | 83.1 | 0.0539 | 3.37 | 4.65 | 4.6 | 0.255 | 0.0105 | 17.8 | <0.244 |
| MW-10 3ft | 3/31/2022 | 3 | 2.65 | 62.2 | <0.218 | 4.30 | 4.20 | 5.59 | 0.486 | <0.0218 | 20.3 | <0.30 |
| BKG 1 1 Ft | 4/7/2022 | 1 | 3.41 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| COGCC Table 915-1 Limits (Residential SSL) | | | 0.68 | 15000 | 71 | 3100 | 400 | 1500 | 390 | 390 | 23000 | 0.3 |
| COGCC Table 915-1 Limits (Protection of Groundwater SSL) | | | 0.29 | 82 | 0.38 | 46 | 14 | 26 | 0.26 | 0.8 | 370 | 0.00067 |

Bold faced values exceed the COGCC Table 915-1 concentrations

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

NA- Not analyzed

TABLE 5
SUMMARY OF ORGANIC GROUNDWATER CHEMISTRY DATA
NOBLE ENERGY INC.
WARDLAW 20-28, WEBSTER 15-28, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C022-029

| SAMPLE LOCATION | DATE | BENZENE (µg/L) | TOLUENE (µg/L) | ETHYL BENZENE (µg/L) | TOTAL XYLENES (µg/L) | NAPHTHALENE (µg/L) | 1,2,4 TRIMETHYL-BENZENE (µg/L) | 1,3,5 TRIMETHYL-BENZENE (µg/L) | TOC ELEVATION (feet) | DEPTH TO GROUND WATER (ft) | GROUND WATER ELEVATION | FREE PRODUCT THICKNESS (ft) |
|--------------------|-----------|----------------|----------------|----------------------|----------------------|--------------------|--------------------------------|--------------------------------|----------------------|----------------------------|------------------------|-----------------------------|
| MW-2 | 3/31/2022 | 410 | 8.7 | <1.0 | 280 | 3.8 | 37 | 130 | 99.79 | 11.28 | 88.51 | NP |
| MW-3 | 3/31/2022 | 2.4 | <1.0 | 56.0 | 5400 | 13.0 | 640 | 310 | 99.78 | 11.13 | 88.65 | NP |
| MW-4 | 3/31/2022 | <1.0 | <1.0 | <1.0 | 230 | <1.0 | 25 | 120 | 99.85 | 11.18 | 88.67 | NP |
| MW-5 | 3/31/2022 | <1.0 | <1.0 | <1.0 | 15 | <1.0 | 2.9 | 160 | 99.84 | 11.25 | 88.59 | NP |
| MW-6 | 3/31/2022 | 11 | <1.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 100.00 | 11.66 | 88.34 | NP |
| MW-7 | 3/31/2022 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 100.12 | 11.52 | 88.60 | NP |
| MW-8 | 3/31/2022 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 99.97 | 10.85 | 89.12 | NP |
| MW-9 | 3/31/2022 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 100.67 | 12.16 | 88.51 | NP |
| MW-10 | 3/31/2022 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 100.87 | 11.65 | 89.22 | NP |
| Table 915-1 Limits | | 5 | 560 | 700 | 1,400 | 140 | 67 | 67 | | | | |

Bold face values exceed the COGCC limits

NS- No Sample

IW - Insufficient Water

NP - No Free Product

TABLE 6
SUMMARY OF INORGANIC GROUNDWATER CHEMISTRY DATA
NOBLE ENERGY INC.
WARDLAW 20-28, WEBSTER 15-28, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C022-029

| SAMPLE LOCATION | DATE | TOTAL DISSOLVED SOLIDS (mg/L) | CHLORIDE ION (mg/L) | SULFATE ION (mg/L) |
|------------------------|-------------|--------------------------------------|---------------------------------|---------------------------------|
| MW-2 | 3/31/2022 | 812 | 25.8 | 280 |
| MW-3 | 3/31/2022 | 748 | 20.2 | 286 |
| MW-4 | 3/31/2022 | 786 | 25.6 | 304 |
| MW-5 | 3/31/2022 | 854 | 19.6 | 330 |
| MW-6 | 3/31/2022 | 832 | 21.4 | 252 |
| MW-7 | 3/31/2022 | 901 | 14.8 | 353 |
| MW-8 | 3/31/2022 | 759 | 22.4 | 300 |
| MW-9 | 3/31/2022 | 723 | 35.2 | 299 |
| MW-10 | 3/31/2022 | 824 | 39.2 | 301 |
| Table 915-1 Limits | | <1.25 x local background | 250 or <1.25 x local background | 250 or <1.25 x local background |

Bold face values exceed the COGCC limits

NP - No Free Product

NA - Not Analyzed

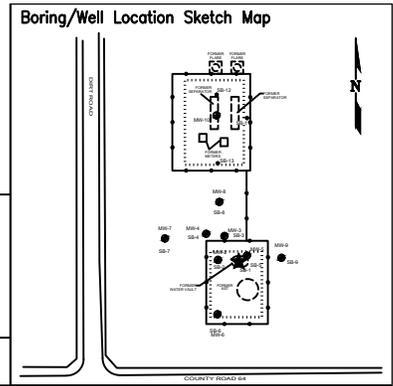
NAP - Not Applicable

FIGURES

APPENDIX A
BORING LOGS



BORING/WELL CONSTRUCTION LOG



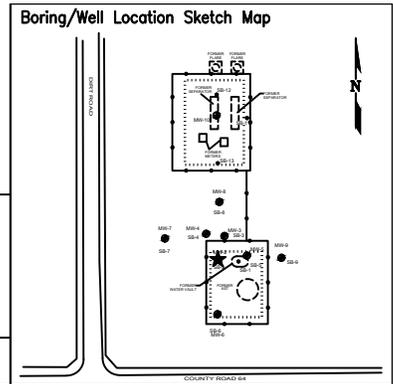
Page 1 of 1

| | | | | | | |
|---|--|---|---|--|------------------|------------------------------------|
| Boring/Well No. SB-1 | | Total Depth 4' | Location Noble Energy, Inc. Wardlaw 20-28, 16-28 Webster 15-28 SWSE Sec 28, T6N, R64W, 6th PM Weld County, Colorado | | | |
| Project No./Name C022-029 / Noble ~ Wardlaw 20-28, 16-28 Webster 15-28 Tank Battery | | Drilling Contractor/Driller Drill Pro | | | | |
| Geologist/Office Paul Henehan / Fremont Environmental, Inc. | | Approved By | | | | |
| Drilling Equipment/Method Geoprobe / Direct Push | | Size/Type of Bit 2.5" direct push | Sampling Method direct push | Start/Finish Date 03/29/2022 | | |
| Well Installed? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | Casing Mtrl./Dia. | Screen: Type . Mtrl. . Length . Dia. . Slot Size . | | | |
| Elevation of: (ft. above datum) | | Ground Surface | Top of Well Casing | Top of Screen | Bottom of Screen | Ground Water Surface/Date Measured |

| DEPTH (feet) | WELL CONSTRUCTION | LITHOLOGY | | Penetration Rate (blows/6") | Recovery (%) | Sample Interval (feet) | PID Values (ppm) |
|-----------------|--------------------------|--|---|-----------------------------------|-----------------|------------------------------|------------------------|
| | | GRAPHIC LOG | VISUAL DESCRIPTION | | | | |
| 5 | [Diagram of well casing] | <div style="border: 1px solid black; padding: 2px; display: inline-block;"> RB </div> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> SM </div> | Road base to 2' then silty fine to medium sand, no stain, no odor - color change to beige TD 4' (TMB HIT WAS @ 0.5') | | | | |
| 10 | | | | | | | |
| 15 | | | | | | | |
| 20 | | | | | | | |



BORING/WELL CONSTRUCTION LOG



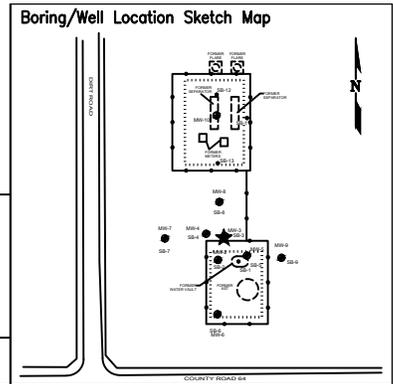
Page 1 of 1

| | | | | | | | |
|---|--|------------------------------------|--------------------|---|------------------|---------------------------------------|--|
| Boring/Well No. SB-2 | | Total Depth 20' | | Location Noble Energy, Inc. Wardlaw 20-28, 16-28 Webster 15-28 SWSE Sec 28, T6N, R64W, 6th PM Weld County, Colorado | | | |
| Project No./Name C022-029 / Noble ~ Wardlaw 20-28, 16-28 Webster 15-28 Tank Battery | | | | Drilling Contractor/Driller Drill Pro | | | |
| Geologist/Office Paul Henehan/ Fremont Environmental, Inc. | | | | Approved By | | | |
| Drilling Equipment/Method Geoprobe / Direct Push | | | | Size/Type of Bit 2.5" direct push | | Sampling Method direct push | Start/Finish Date 03/29/2022 |
| Well Installed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | Casing Mtrl./Dia. 1" PVC | | Screen: Type SCH40 Mtrl. PVC Length 10' Dia. 1" Slot Size 0.01" | | | |
| Elevation of: (ft. above datum) | | Ground Surface | Top of Well Casing | Top of Screen | Bottom of Screen | Ground Water Surface/Date Measured | |

| DEPTH (feet) | WELL CONSTRUCTION | | LITHOLOGY | | Penetration Rate (blows/6") | Recovery (%) | Sample Interval (feet) | PID Values (ppm) |
|-----------------|--------------------|-----------|-------------|--|--------------------------------|--------------|---------------------------|---------------------|
| | | | GRAPHIC LOG | VISUAL DESCRIPTION | | | | |
| | Bentonite | 1" Blank | FILL | Fill to 2' then silty fine to medium sand, brown, moist, no stain, no odor | | | | |
| 5 | | | SM | | | | 0 | |
| | | | SW | Fine to medium sand, brown to 7' then gray with moderate odor, moist | | | 2 | |
| 10 | #10-20 Silica Sand | 1" Screen | | Fine to medium sand to 11' then silty fine sand, gray, very moist, strong odor | | | 330 | |
| 15 | | | MH | Firm sandy silt, gray, wet ~ 11', moderate odor | | | 950 | |
| | | | SM | Silty sand to 19' then fine to medium sand, wet, light odor | | | 94 | |
| 20 | | | SW | | | | | 78 |
| | | | | TD 20' | | | | |



BORING/WELL CONSTRUCTION LOG



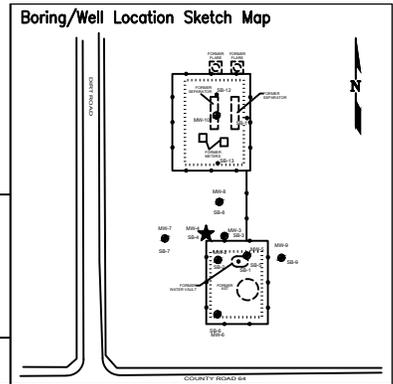
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| | | | | | | |
|---|------------------------------------|---|---|--|------------------------------------|--|
| Boring/Well No. SB-3 | | Total Depth 20' | Location Noble Energy, Inc. Wardlaw 20-28, 16-28 Webster 15-28 SWSE Sec 28, T6N, R64W, 6th PM Weld County, Colorado | | | |
| Project No./Name C022-029 / Noble ~ Wardlaw 20-28, 16-28 Webster 15-28 Tank Battery | | Drilling Contractor/Driller Drill Pro | | | | |
| Geologist/Office Paul Henehan/ Fremont Environmental, Inc. | | Approved By | | | | |
| Drilling Equipment/Method Geoprobe / Direct Push | | Size/Type of Bit 2.5" direct push | Sampling Method direct push | Start/Finish Date 03/29/2022 | | |
| Well Installed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Casing Mtrl./Dia. 1" PVC | Screen: Type SCH40 Mtrl. PVC Length 10' Dia. 1" Slot Size 0.01" | | | | |
| Elevation of: (ft. above datum) | Ground Surface | Top of Well Casing | Top of Screen | Bottom of Screen | Ground Water Surface/Date Measured | |

| DEPTH (feet) | WELL CONSTRUCTION | | LITHOLOGY | | Penetration Rate (blows/6") | Recovery (%) | Sample Interval (feet) | PID Values (ppm) |
|-----------------|----------------------|-----------|----------------|--|-----------------------------------|-----------------|------------------------------|------------------------|
| | | | GRAPHIC LOG | VISUAL DESCRIPTION | | | | |
| | Bentonite | 1" Blank | RB | Road base, silty fine to medium sand, brown, no stain, no odor | | | | |
| 5 | | | SM | Silty fine to medium sand, light gray at 7.5' with light odor | | | 7 | |
| 10 | #10-20 Silica Sand | 1" Screen | | Silty fine to medium sand, light gray to 9' then black to 11' then gray, strong odor | | | 9 | 1120 |
| 15 | | | MH | Silty fine to medium sand to 14' then firm sandy silt to 15.5' then fine to medium sand. Black to 13' then gray brown, mottled | | | | 810 |
| | | | SM | Silty sand to 19' then medium to coarse sand, wet | | | 420 | |
| 20 | | | SP | | | | | 33 |
| | | | | TD 20' | | | | |



BORING/WELL CONSTRUCTION LOG



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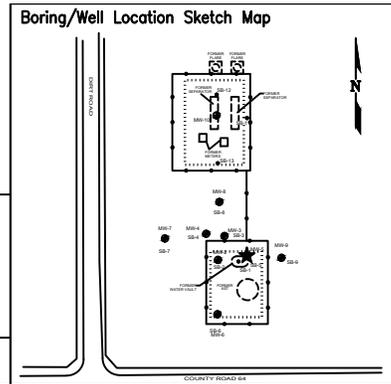
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|---|------------------------------------|--|---|---|---------------------------------------|--|
| Boring/Well No. SB-4 | | Total Depth 20' | Location Noble Energy, Inc. Wardlaw 20-28, 16-28 Webster 15-28 SWSE Sec 28, T6N, R64W, 6th PM Weld County, Colorado | | | |
| Project No./Name C022-029 / Noble ~ Wardlaw 20-28, 16-28 Webster 15-28 Tank Battery | | Drilling Contractor/Driller Drill Pro | | | | Approved By |
| Geologist/Office Paul Henehan/ Fremont Environmental, Inc. | | Drilling Equipment/Method Geoprobe / Direct Push | | Size/Type of Bit 2.5" direct push | Sampling Method direct push | Start/Finish Date 03/29/2022 |
| Well Installed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Casing Mtrl./Dia. 1" PVC | Screen: Type SCH40 Mtrl. PVC | | Length 10' | Dia. 1" | Slot Size 0.01" |
| Elevation of: (ft. above datum) | | Ground Surface | Top of Well Casing | Top of Screen | Bottom of Screen | Ground Water Surface/Date Measured |

| DEPTH (feet) | WELL CONSTRUCTION | | LITHOLOGY | | Penetration Rate (blows/6") | Recovery (%) | Sample Interval (feet) | PID Values (ppm) |
|-----------------|----------------------|-----------|----------------|--|-----------------------------------|-----------------|------------------------------|------------------------|
| | | | GRAPHIC LOG | VISUAL DESCRIPTION | | | | |
| | | | RB | Road base to 1' then silty fine to medium sand, moist, brown, no stain, no odor | | | | |
| | Bentonite | 1" Blank | | | | | | |
| 5 | | | SM | Silty fine to medium sand, no stain, no odor | | | 3 | |
| | #10-20 Silica Sand | 1" Screen | | Silty fine to medium sand to 10' then sandy silt, gray 9' to 12' with moderate odor, moist | | | 6 | |
| 10 | | | MH | | | | 405 | |
| | | | SM | Silty fine to medium sand, gray with moderate odor, wet | | | 980 | |
| 15 | | | SM | | | | 94 | |
| | | | SP | Silty fine to medium sand, gray to 17' then brown, medium to coarse sand 19' to 20' | | | 7 | |
| 20 | | | | | | | | |

TD 20'



BORING/WELL CONSTRUCTION LOG

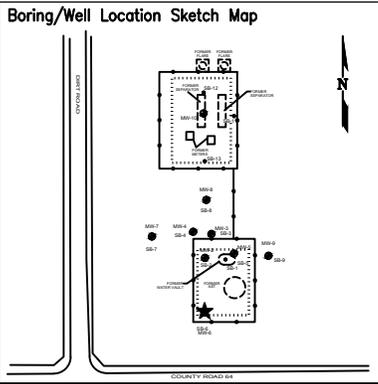


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| | | | | | | |
|---|------------------------------------|---|---|--|------------------|------------------------------------|
| Boring/Well No. SB-5 | | Total Depth 20' | Location Noble Energy, Inc. Wardlaw 20-28, 16-28 Webster 15-28 SWSE Sec 28, T6N, R64W, 6th PM Weld County, Colorado | | | |
| Project No./Name C022-029 / Noble ~ Wardlaw 20-28, 16-28 Webster 15-28 Tank Battery | | Drilling Contractor/Driller Drill Pro | | | | |
| Geologist/Office Paul Henehan/ Fremont Environmental, Inc. | | Approved By | | | | |
| Drilling Equipment/Method Geoprobe / Direct Push | | Size/Type of Bit 2.5" direct push | Sampling Method direct push | Start/Finish Date 03/29/2022 | | |
| Well Installed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Casing Mtrl./Dia. 1" PVC | Screen: Type SCH40 Mtrl. PVC Length 10' Dia. 1" Slot Size 0.01" | | | | |
| Elevation of: (ft. above datum) | | Ground Surface | Top of Well Casing | Top of Screen | Bottom of Screen | Ground Water Surface/Date Measured |

| DEPTH (feet) | WELL CONSTRUCTION | | LITHOLOGY | | Penetration Rate (blows/6") | Recovery (%) | Sample Interval (feet) | PID Values (ppm) |
|-----------------|----------------------|-----------|------------------------|--|-----------------------------------|-----------------|------------------------------|------------------------|
| | | | GRAPHIC LOG | VISUAL DESCRIPTION | | | | |
| | | | FILL | Fill (silty sand, small rocks) moist, no stain, no | | | | |
| | Bentonite | 1" Blank | | | | | | |
| 5 | | | SM | Fill to 5' then silty fine to medium sand, brown, no stain, no odor | | | 7 | |
| | #10-20 Silica Sand | 1" Screen | | | | | | |
| 10 | | | MH SM | Silty fine to medium sand to 11' then sandy silt to 11.5' then silty sand, brown to 9' then dark gray to 10.5' then light gray to 12', wet ~ 11' | | | 3 | 624 |
| | | | MH | | | | | |
| 15 | | | MH SM | Sandy silt to 15' then silty to fine to medium sand, gray to 15' then brown, wet | | | 675 | 915 |
| | | | SM | | | | | |
| 20 | | | SP | Medium to coarse sand, wet, brown, no stain, no odor | | | 3 | 12 |
| | | | | TD 20' | | | | |

**BORING/WELL
CONSTRUCTION LOG**



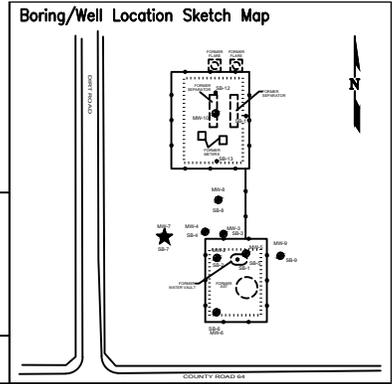
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|---|------------------------------------|---|---|---------------------------------------|------------------------------------|--|
| Boring/Well No. SB-6 | | Total Depth 20' | Location Noble Energy, Inc. Wardlaw 20-28, 16-28 Webster 15-28 SWSE Sec 28, T6N, R64W, 6th PM Weld County, Colorado | | | |
| Project No./Name C022-029 / Noble ~ Wardlaw 20-28, 16-28 Webster 15-28 Tank Battery | | Drilling Contractor/Driller Drill Pro | | | | |
| Geologist/Office Paul Henehan / Fremont Environmental, Inc. | | Approved By | | | | Start/Finish Date 03/29/2022 |
| Drilling Equipment/Method Geoprobe / Direct Push | | Size/Type of Bit 2.5" direct push | | Sampling Method direct push | | |
| Well Installed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Casing Mtrl./Dia. 1" PVC | Screen: Type SCH40 Mtrl. PVC | | Length 10' | Dia. 1' | Slot Size 0.01" |
| Elevation of: (ft. above datum) | Ground Surface | Top of Well Casing | Top of Screen | Bottom of Screen | Ground Water Surface/Date Measured | |

| DEPTH (feet) | WELL CONSTRUCTION | GRAPHIC LOG | LITHOLOGY | Penetration Rate (blows/6") | Recovery (%) | Sample Interval (feet) | PID Values (ppm) |
|-----------------|----------------------|----------------|---|-----------------------------------|-----------------|------------------------------|------------------------|
| | | | VISUAL DESCRIPTION | | | | |
| | | RB | Road base, silty fine to medium sand, brown, moist, no stain, no odor | | | | |
| | Bentonite | SM | | | | | |
| | | 1" Blank | | | | | |
| 5 | | | Silty fine to medium sand, brown, moist, no stain, no odor | | | 6 | |
| | | 1" Screen | | | | | |
| | #10-20 Silica Sand | | Silty fine to medium sand to 11' then sandy silt, brown to 11' then dark gray, wet ~ 11' with moderate odor in stained zone | | | 4 | |
| 10 | | | | | | 3 | |
| | | MH | | | | | |
| | | SM | Silty fine to medium sand to 10' then sandy silt to 11' then silty sand, dark gray to 10' then light gray to 11.5' then brown, wet ~ 11' with moderate odor | | | 290 | |
| 15 | | | | | | 230 | |
| | | | Silty fine to medium sand, light gray to 18' then brown, wet, light odor | | | 4 | |
| 20 | | | TD 20' | | | 8 | |



BORING/WELL CONSTRUCTION LOG



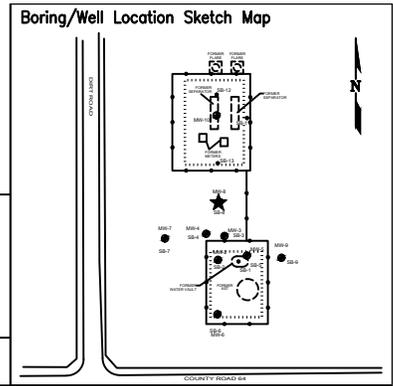
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|---|------------------------------------|---|---|--|------------------------------------|--|
| Boring/Well No. SB-7 | | Total Depth 20' | Location Noble Energy, Inc. Wardlaw 20-28, 16-28 Webster 15-28 SWSE Sec 28, T6N, R64W, 6th PM Weld County, Colorado | | | |
| Project No./Name C022-029 / Noble ~ Wardlaw 20-28, 16-28 Webster 15-28 Tank Battery | | Drilling Contractor/Driller Drill Pro | | | | |
| Geologist/Office Paul Henehan / Fremont Environmental, Inc. | | Approved By | | | | |
| Drilling Equipment/Method Geoprobe / Direct Push | | Size/Type of Bit 2.5" direct push | Sampling Method direct push | Start/Finish Date 03/29/2022 | | |
| Well Installed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Casing Mtrl./Dia. 1" PVC | Screen: Type SCH40 Mtrl. PVC Length 10' Dia. 1' Slot Size 0.01" | | | | |
| Elevation of: (ft. above datum) | Ground Surface | Top of Well Casing | Top of Screen | Bottom of Screen | Ground Water Surface/Date Measured | |

| DEPTH (feet) | WELL CONSTRUCTION | | LITHOLOGY | | Penetration Rate (blows/6") | Recovery (%) | Sample Interval (feet) | PID Values (ppm) |
|-----------------|--------------------|-----------|-------------|--|--------------------------------|--------------|---------------------------|---------------------|
| | | | GRAPHIC LOG | VISUAL DESCRIPTION | | | | |
| | Bentonite | 1" Blank | RB | Road base, silty fine to medium sand, moist, brown, no stain, no odor | | | | |
| 5 | | | SM | Fine to medium sand, brown, no stain, no odor | | | 3 | |
| | #10-20 Silica Sand | 1" Screen | SW | | | | | |
| 10 | | | SM | Silty fine to medium sand to 10' then sandy silt, brown to 11.5' then dark gray, wet ~ 11' with light odor | | | 3 | |
| | | | SC | | | | 2 | |
| 15 | | | SM | Silty sand with clayey sand lens 10.5' to 11.5', gray to 15' then brown, wet | | | 45 | |
| | | | SM | Silty sand to 18' then medium to coarse sand, wet brown, no stain, no odor | | | 4 | |
| 20 | | | SP | | | | | 3 |
| | | | | TD 20' | | | | |



BORING/WELL CONSTRUCTION LOG



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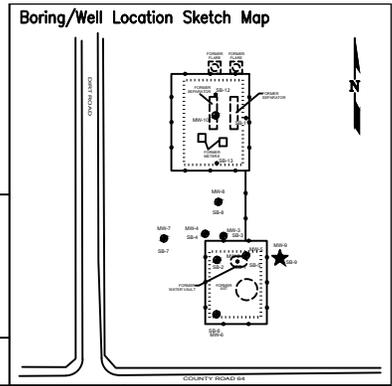
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|---|------------------------------------|---|---|--|------------------------------------|
| Boring/Well No. SB-8 | | Total Depth 20' | Location Noble Energy, Inc. Wardlaw 20-28, 16-28 Webster 15-28 SWSE Sec 28, T6N, R64W, 6th PM Weld County, Colorado | | |
| Project No./Name C022-029 / Noble ~ Wardlaw 20-28, 16-28 Webster 15-28 Tank Battery | | Drilling Contractor/Driller Drill Pro | | | |
| Geologist/Office Paul Henehan / Fremont Environmental, Inc. | | Approved By | | | |
| Drilling Equipment/Method Geoprobe / Direct Push | | Size/Type of Bit 2.5" direct push | Sampling Method | Start/Finish Date 03/29/2022 | |
| Well Installed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Casing Mtrl./Dia. 1" PVC | Screen: Type SCH40 Mtrl. PVC Length 10' Dia. 1' Slot Size 0.01" | | | |
| Elevation of: (ft. above datum) | Ground Surface | Top of Well Casing | Top of Screen | Bottom of Screen | Ground Water Surface/Date Measured |

| DEPTH (feet) | WELL CONSTRUCTION | LITHOLOGY | | Penetration Rate (blows/6") | Recovery (%) | Sample Interval (feet) | PID Values (ppm) |
|-----------------|--------------------------|----------------|--------------------|-----------------------------------|-----------------|------------------------------|------------------------|
| | | GRAPHIC LOG | VISUAL DESCRIPTION | | | | |
| | Bentonite | 1" Blank | RB | | | | |
| | | | SM | | | | |
| 5 | | | SW | | | | 1 |
| | #10-20 Silica Sand | 1" Screen | | | | | 1 |
| 10 | | | | | | | 2 |
| | | | | | | | 95 |
| 15 | | | | | | | 28 |
| | | | SP | | | | |
| 20 | | | | | | | 3 |

TD 20'



BORING/WELL CONSTRUCTION LOG



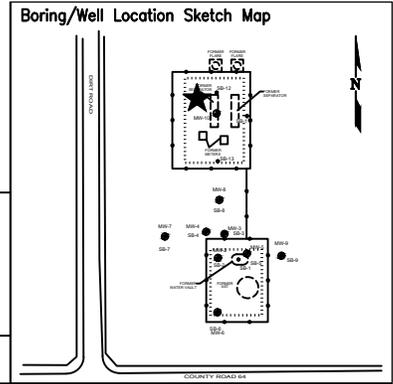
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|---|------------------------------------|---|---|--|------------------------------------|--|
| Boring/Well No. SB-9 | | Total Depth 20' | Location Noble Energy, Inc. Wardlaw 20-28, 16-28 Webster 15-28 SWSE Sec 28, T6N, R64W, 6th PM Weld County, Colorado | | | |
| Project No./Name C022-029 / Noble ~ Wardlaw 20-28, 16-28 Webster 15-28 Tank Battery | | Drilling Contractor/Driller Drill Pro | | | | |
| Geologist/Office Paul Henehan / Fremont Environmental, Inc. | | Approved By | | | | |
| Drilling Equipment/Method Geoprobe / Direct Push | | Size/Type of Bit 2.5" direct push | Sampling Method | Start/Finish Date 03/29/2022 | | |
| Well Installed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Casing Mtrl./Dia. 1" PVC | Screen: Type SCH40 Mtrl. PVC | Length 10' | Dia. 1' | Slot Size 0.01" | |
| Elevation of: (ft. above datum) | Ground Surface | Top of Well Casing | Top of Screen | Bottom of Screen | Ground Water Surface/Date Measured | |

| DEPTH (feet) | WELL CONSTRUCTION | | LITHOLOGY | | Penetration Rate (blows/6") | Recovery (%) | Sample Interval (feet) | PID Values (ppm) |
|-----------------|----------------------|-----------|----------------|--|-----------------------------------|-----------------|------------------------------|------------------------|
| | | | GRAPHIC LOG | VISUAL DESCRIPTION | | | | |
| | Bentonite | 1" Blank | SM | Silty fine to medium sand, brown, moist, no stain, no odor | | | | |
| 5 | | | | Silty fine to medium sand, brown, moist, no stain, no odor | | | 0 | |
| 10 | #10-20 Silica Sand | 1" Screen | | Silty fine to medium sand, brown, wet ~ 11' | | | 1 | |
| 15 | | | | Silty fine to medium sand, brown, wet | | | 0 | |
| 20 | | | | Silty fine to medium sand, brown | | | 1 | |
| | | | | TD 20' | | | | 03 |



BORING/WELL CONSTRUCTION LOG



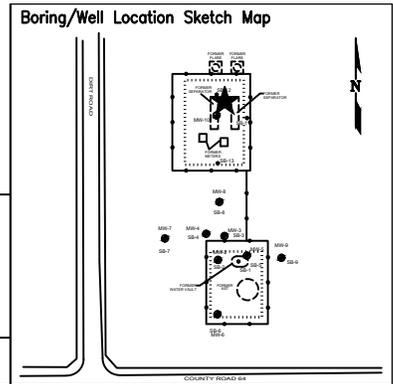
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|---|------------------------------------|---|---|-------------------------------------|--|--|
| Boring/Well No. MW-10 | | Total Depth 20' | Location Noble Energy, Inc. Wardlaw 20-28, 16-28 Webster 15-28 SWSE Sec 28, T6N, R64W, 6th PM Weld County, Colorado | | | |
| Project No./Name C022-029 / Noble ~ Wardlaw 20-28, 16-28 Webster 15-28 Tank Battery | | Drilling Contractor/Driller Drill Pro / Terrence, Hayward and Glen | | | | |
| Geologist/Office Ethan Black / Fremont Environmental, Inc. | | Approved By | | | | |
| Drilling Equipment/Method Geoprobe / Direct Push | | Size/Type of Bit 2.5" direct push | Sampling Method direct push | Start/Finish Date 3/31/22 | | |
| Well Installed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Casing Mtrl./Dia. 1" PVC | Screen: Type SCH40 Mtrl. PVC Length 15' Dia. 1" Slot Size 0.01" | | | | |
| Elevation of: (ft. above datum) | Ground Surface 2.43 | Top of Well Casing 100.87 | Top of Screen . | Bottom of Screen . | Ground Water Surface/Date Measured 11.65 3/31/22 | |

| DEPTH (feet) | WELL CONSTRUCTION | | LITHOLOGY | | Penetration Rate (blows/6") | Recovery (%) | Sample Interval (feet) | PID Values (ppm) |
|-----------------|--------------------------|-----------|----------------|---|-----------------------------------|-----------------|------------------------------|------------------------|
| | | | GRAPHIC LOG | VISUAL DESCRIPTION | | | | |
| 5 | Bentonite | 1" Blank | SM | Loam 3" Silty sand: dark brown, fine with some gravel, slightly moist | | | | 0.0 |
| | | | SM | | | | 0.0 | |
| | | | SM | | | | 0.0 | |
| | | | SM | | | | 0.0 | |
| | | | SM | | | | 0.0 | |
| | | | SM | | | | 0.0 | |
| | | | SM | | | | 0.0 | |
| | | | SM | | | | 0.0 | |
| | | | SM | | | | 0.0 | |
| | | | SM | | | | 0.0 | |
| 10 | #10-20 Silica Sand | 1" Screen | SP | Sand: tan, very fine sand, moist | | | | 0.0 |
| | | | SM | Silty sand: brown, fine, wet | | | | 0.0 |
| | | | SM | | | | 0.0 | |
| | | | SM | | | | 0.0 | |
| | | | SM | | | | 0.0 | |
| | | | SM | | | | 0.0 | |
| | | | SM | | | | 0.0 | |
| | | | SM | | | | 0.0 | |
| | | | SM | | | | 0.0 | |
| | | | SM | | | | 0.0 | |
| 15 | #10-20 Silica Sand | 1" Screen | SC | Clayey sand: tan with white inclusions, medium to fine sand | | | | 0.0 |
| | | | SC | | | | 0.0 | |
| | | | SC | | | | 0.0 | |
| | | | SC | | | | 0.0 | |
| | | | SC | | | | 0.0 | |
| | | | SC | | | | 0.0 | |
| | | | SC | | | | 0.0 | |
| | | | SC | | | | 0.0 | |
| | | | SC | | | | 0.0 | |
| | | | SC | | | | 0.0 | |
| 20 | #10-20 Silica Sand | 1" Screen | SM | 3" Gravel lens | | | | 0.0 |
| | | | SM | | | | 0.0 | |
| | | | TD 20' | | | | | |



BORING/WELL CONSTRUCTION LOG



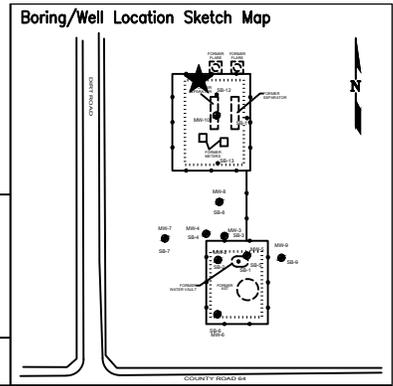
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|---|--|--|---|-------------------------------------|------------------|------------------------------------|-----------|
| Boring/Well No. SB-11 | | Total Depth 20' | Location Noble Energy, Inc. Wardlaw 20-28, 16-28 Webster 15-28 SWSE Sec 28, T6N, R64W, 6th PM Weld County, Colorado | | | | |
| Project No./Name C022-029 / Noble ~ Wardlaw 20-28, 16-28 Webster 15-28 Tank Battery | | Drilling Contractor/Driller Drill Pro / Terrence, Hayward and Glen | | | | | |
| Geologist/Office Ethan Black / Fremont Environmental, Inc. | | Approved By | | | | | |
| Drilling Equipment/Method Geoprobe / Direct Push | | Size/Type of Bit 2.5" direct push | Sampling Method direct push | Start/Finish Date 3/31/22 | | | |
| Well Installed? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | Casing Mtrl./Dia. | Screen: Type | Mtrl. | Length | Dia. | Slot Size |
| Elevation of: (ft. above datum) | | Ground Surface | Top of Well Casing | Top of Screen | Bottom of Screen | Ground Water Surface/Date Measured | |

| DEPTH (feet) | WELL CONSTRUCTION | LITHOLOGY | | Penetration Rate (blows/6") | Recovery (%) | Sample Interval (feet) | PID Values (ppm) |
|-----------------|----------------------|----------------|--|-----------------------------------|-----------------|------------------------------|------------------------|
| | | GRAPHIC LOG | VISUAL DESCRIPTION | | | | |
| 5 | | SP | Sand: brown to tan, fine to very fine, silty, moist slightly moist | | | | 0.0 |
| | | | 0.0 | | | | |
| | | | 0.0 | | | | |
| | | | 0.0 | | | | |
| | | | 0.0 | | | | |
| | | | 0.0 | | | | |
| | | | 0.0 | | | | |
| | | | 0.0 | | | | |
| | | | 0.0 | | | | |
| | | | 0.0 | | | | |
| 10 | | SM | - increasing moisture - wet | | | | 0.0 |
| | | | 0.0 | | | | |
| | | | 0.0 | | | | |
| | | | 0.0 | | | | |
| | | | 0.0 | | | | |
| | | | 0.0 | | | | |
| | | | 0.0 | | | | |
| | | | 0.0 | | | | |
| | | | 0.0 | | | | |
| | | | 0.0 | | | | |
| 15 | | SM | Sandy silt: beige, very fine sand, wet, elastic, silt | | | | 0.0 |
| | | | 0.0 | | | | |
| | | | 0.0 | | | | |
| | | | 0.0 | | | | |
| | | | 0.0 | | | | |
| | | | 0.0 | | | | |
| | | | 0.0 | | | | |
| | | | 0.0 | | | | |
| | | | 0.0 | | | | |
| | | | 0.0 | | | | |
| 20 | | GP | - medium to coarse sand, grains interspersed | | | | 0.0 |
| | | | 0.0 | | | | |
| | | | 0.0 | | | | |
| | | | 0.0 | | | | |
| | | | 0.0 | | | | |
| | | | 0.0 | | | | |
| | | | 0.0 | | | | |
| | | | 0.0 | | | | |
| | | | 0.0 | | | | |
| | | | 0.0 | | | | |
| | | | Gravel: reddish, tan, saturated | | | | 0.0 |
| | | | TD 20' | | | | 0.0 |



BORING/WELL CONSTRUCTION LOG



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| | | | | | | | |
|---|--|--|---|-------------------------------------|------------------|------------------------------------|-----------|
| Boring/Well No. SB-12 | | Total Depth 16' | Location Noble Energy, Inc. Wardlaw 20-28, 16-28 Webster 15-28 SWSE Sec 28, T6N, R64W, 6th PM Weld County, Colorado | | | | |
| Project No./Name C022-029 / Noble ~ Wardlaw 20-28, 16-28 Webster 15-28 Tank Battery | | Drilling Contractor/Driller Drill Pro / Terrence, Hayward and Glen | | | | | |
| Geologist/Office Ethan Black / Fremont Environmental, Inc. | | Approved By | | | | | |
| Drilling Equipment/Method Geoprobe / Direct Push | | Size/Type of Bit 2.5" direct push | Sampling Method direct push | Start/Finish Date 3/31/22 | | | |
| Well Installed? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | Casing Mtrl./Dia. | Screen: Type | Mtrl. | Length | Dia. | Slot Size |
| Elevation of: (ft. above datum) | | Ground Surface | Top of Well Casing | Top of Screen | Bottom of Screen | Ground Water Surface/Date Measured | |

| DEPTH (feet) | WELL CONSTRUCTION | LITHOLOGY | | Penetration Rate (blows/6") | Recovery (%) | Sample Interval (feet) | PID Values (ppm) |
|-----------------|----------------------|----------------|---|-----------------------------------|-----------------|------------------------------|--|
| | | GRAPHIC LOG | VISUAL DESCRIPTION | | | | |
| 5 | | SM | Silty sand: dark brown, fine sand, moist slightly moist - increasing moisture - wet | | | | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 |
| 10 | | SW | Sand: tan, fine, moist | | | | 0.0 0.0 0.0 0.0 |
| 15 | | SC | Sandy clay: tan with white inclusions, medium to fine sand, wet | | | | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 |
| 20 | | | TD 16' | | | | 0.0 |

APPENDIX B

SAMPLING PLAN

SAMPLING METHODS AND PROCEDURES

Water Level Measurements

All groundwater level measurements will be obtained using an electric measuring device, which indicates when a probe is in contact with groundwater. Measurements will be obtained by lowering the device into the well until the water surface had been encountered, and by measuring the distance from the top of the inside riser pipe to the probe. All measurements will be recorded to the nearest 0.01 ft. To minimize cross-contamination, the water level indicator will be decontaminated with isopropyl alcohol and distilled water between each well.

Monitoring Well Sampling

All monitoring wells were sampled from the “cleanest” to the “most contaminated” according to the protocols listed below.

Field Protocol

- Step 1 Measure water level in each well.
- Step 2 Purge each monitoring well by evacuating a minimum of three well bore volumes using a disposable polyethylene bailer.
- Step 3 Collect water samples using a disposable polyethylene bailer.
- Step 4 Cool samples to approximately 4°C for transportation.
- Step 5 Store water samples and transport to a specific laboratory, following all documentation and chain-of-custody procedures.

Upon completion of groundwater sampling, a chain-of-custody log will be completed. Chain-of-custody records include the following information: project, project number, shipped by, shipped to, suspected hazard, sampling point, location, field identification number, date collected, sample type, number of containers, analysis required, and sampler's signature.

The chain-of-custody records will be shipped with the samples to the laboratory. Upon arrival at the laboratory the samples will be checked in and signed by the appropriate laboratory personnel. Laboratory identification numbers will be noted on the chain-of-custody record. Upon completion of the laboratory analysis, the completed chain-of-custody record will be returned to the project manager.

Analytical Methods

The following list identifies the various chemical constituents and analytical methods which will be used for their quantification.

| <u>Chemical Parameter</u> | <u>Method</u> |
|--|--------------------------|
| Benzene, Toluene, Ethylbenzene and Total Xylenes (BTEX), Naphthalene, 1,2,4 and 1,3,5 Trimethylbenzene (TMB) | EPA Method - 8260B |
| Chloride and Sulfate | EPA Method - 300.0 |
| Total Dissolved Solids (TDS) | Standard Method - 2540C. |

APPENDIX C

LABORATORY DOCUMENTATION



April 15, 2022

Fremont Environmental

Paul Henehan

8305 6th St, PO Box 1289

Wellington CO 80549

Project Name - Noble - Wardlaw 20-28

Project Number - C022-029

Attached are your analytical results for Noble - Wardlaw 20-28 received by Origins Laboratory, Inc. March 30, 2022. This project is associated with Origins project number Y203766-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Fremont Environmental
8305 6th St, PO Box 1289
Wellington CO 80549

Paul Henehan
Project Number: C022-029
Project: Noble - Wardlaw 20-28

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|---------------------|------------------|
| SB-1 3FT | Y203766-01 | Soil | March 29, 2022 0:00 | 03/30/2022 12:30 |
| MW-2 12FT | Y203766-02 | Soil | March 29, 2022 0:00 | 03/30/2022 12:30 |
| MW-2 16FT | Y203766-03 | Soil | March 29, 2022 0:00 | 03/30/2022 12:30 |
| MW-2 20FT | Y203766-04 | Soil | March 29, 2022 0:00 | 03/30/2022 12:30 |
| MW-3 8FT | Y203766-05 | Soil | March 29, 2022 0:00 | 03/30/2022 12:30 |
| MW-3 10FT | Y203766-06 | Soil | March 29, 2022 0:00 | 03/30/2022 12:30 |
| MW-4 10FT | Y203766-07 | Soil | March 29, 2022 0:00 | 03/30/2022 12:30 |
| MW-4 12FT | Y203766-08 | Soil | March 29, 2022 0:00 | 03/30/2022 12:30 |
| MW-5 10FT | Y203766-09 | Soil | March 29, 2022 0:00 | 03/30/2022 12:30 |
| MW-5 14FT | Y203766-10 | Soil | March 29, 2022 0:00 | 03/30/2022 12:30 |
| MW-6 10FT | Y203766-11 | Soil | March 29, 2022 0:00 | 03/30/2022 12:30 |
| MW-6 12FT | Y203766-12 | Soil | March 29, 2022 0:00 | 03/30/2022 12:30 |
| MW-7 10FT | Y203766-13 | Soil | March 29, 2022 0:00 | 03/30/2022 12:30 |
| MW-7 12FT | Y203766-14 | Soil | March 29, 2022 0:00 | 03/30/2022 12:30 |

Origins Laboratory, Inc.



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
8305 6th St, PO Box 1289
Wellington CO 80549

Paul Henehan
Project Number: C022-029
Project: Noble - Wardlaw 20-28

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|---------------------|------------------|
| MW-8 10FT | Y203766-15 | Soil | March 29, 2022 0:00 | 03/30/2022 12:30 |
| MW-8 12FT | Y203766-16 | Soil | March 29, 2022 0:00 | 03/30/2022 12:30 |
| MW-9 10FT | Y203766-17 | Soil | March 29, 2022 0:00 | 03/30/2022 12:30 |
| MW-9 12FT | Y203766-18 | Soil | March 29, 2022 0:00 | 03/30/2022 12:30 |

Origins Laboratory, Inc.



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
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

Origins Laboratory

F-012207-01-R1
 Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: Y203766 Client: Fremont
 Client Project ID: Wardlaw 20-28
 Checklist Completed by: JS Shipped Via: HS
 Date/time completed: 3/30/22 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: N/A
 Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
 Cooler Number/Temperature: 1 15.8 °c 1 °c 1 °c (Describe) °c
 Thermometer ID: 1003

| Requirement Description | Yes | No | N/A | Comments (if any) |
|---|-------------------------------------|-------------------------------------|-------------------------------------|-------------------|
| If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Is there ice present (document if blue ice is used) | <input checked="" type="checkbox"/> | | | |
| Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact) | | <input checked="" type="checkbox"/> | | |
| Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact) | | <input checked="" type="checkbox"/> | | |
| Were all samples received intact ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Was adequate sample volume provided ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ? | | <input checked="" type="checkbox"/> | | |
| Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ? | | <input checked="" type="checkbox"/> | | No sample times |
| Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ? | | <input checked="" type="checkbox"/> | | |
| For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative. | | | <input checked="" type="checkbox"/> | |
| Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity) / (pH < 2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH) | | | <input checked="" type="checkbox"/> | |
| Additional Comments (if any): | | | | |

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by: JB (Project Manager)

Date/Time Reviewed: 3-30-22

Origins Laboratory, Inc.



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
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

SB-1 3FT

3/29/2022 12:00:00AM

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

Origins Laboratory, Inc.
Y203766-01 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|--|--------|------|---|---------|------------|------------|--|
| Boron | 0.159 | | 0.0992 | mg/L | 1 | B2C3122 | 03/31/2022 | 04/01/2022 | |
|-------|-------|--|--------|------|---|---------|------------|------------|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|---------|--|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | 0.00204 | | 0.00200 | mg/kg | 1 | B2C3028 | 03/30/2022 | 04/03/2022 | |
| 1,3,5-Trimethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Benzene | ND | | 0.00200 | " | " | " | " | " | U |
| Ethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Naphthalene | ND | | 0.00380 | " | " | " | " | " | U |
| Toluene | ND | | 0.00200 | " | " | " | " | " | U |
| Xylenes, total | 0.00496 | | 0.00200 | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | | 0.200 | " | " | " | " | " | U |

| | | | | | | | | | |
|----------------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 105 % | | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 98.9 % | | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 93.4 % | | 70-130 | | | " | " | " | |

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|------|--|-------|-------|----|--------|------------|------------|--|
| Calcium | 1.07 | | 0.499 | meq/L | 10 | [CALC] | 03/30/2022 | 04/01/2022 | |
| Magnesium | ND | | 0.823 | " | " | " | " | " | |
| Sodium | ND | | 0.435 | " | " | " | " | " | |

Origins Laboratory, Inc.



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
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

SB-1 3FT

3/29/2022 12:00:00AM

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

Origins Laboratory, Inc.
Y203766-01 (Soil)

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|--|----------|---|---------|------------|------------|--|
| pH | 7.63 | | | pH Units | 1 | B2C3019 | 03/31/2022 | 04/01/2022 | |
|----|------|--|--|----------|---|---------|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | | |
|-----|-------|--|--|-----|---|---------|------------|------------|--|
| SAR | 0.214 | | | SAR | 1 | B2C3018 | 03/30/2022 | 04/01/2022 | |
|-----|-------|--|--|-----|---|---------|------------|------------|--|

Specific Conductance Mod. 9050A

| | | | | | | | | | |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 0.210 | | 0.00500 | mmhos/cm | 1 | B2C3020 | 03/31/2022 | 04/01/2022 | |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|

Total Metals by 6020B

| | | | | | | | | | |
|----------|--------|--------|------|-------|---|---------|------------|------------|---|
| Arsenic | 2.73 | 0.0855 | 0.25 | mg/Kg | 5 | L608957 | 04/05/2022 | 04/06/2022 | |
| Barium | 43.9 | 0.042 | 0.25 | " | " | " | " | " | |
| Cadmium | 0.0837 | 0.0259 | 0.25 | " | " | " | " | " | J |
| Copper | 3.91 | 0.0806 | 0.25 | " | " | " | " | " | |
| Lead | 4.02 | 0.031 | 0.25 | " | " | " | " | " | |
| Nickel | 4.52 | 0.0633 | 0.25 | " | " | " | " | " | |
| Selenium | 0.37 | 0.103 | 0.25 | " | " | " | " | " | |
| Silver | 0.0121 | 0.0067 | 0.25 | " | " | " | " | " | J |
| Zinc | 17.8 | 0.534 | 2.5 | " | " | " | " | " | |

Total Metals by 7196A

| | | | | | | | | | |
|----------------------|----|------|-----|-------|---|---------|------------|------------|--|
| Chromium, Hexavalent | ND | 1.22 | 2.5 | mg/Kg | 5 | L609418 | 03/29/2022 | 04/07/2022 | |
|----------------------|----|------|-----|-------|---|---------|------------|------------|--|

Origins Laboratory, Inc.



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
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

MW-2 12FT

3/29/2022 12:00:00AM

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

Origins Laboratory, Inc.
Y203766-02 (Soil)

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|-------------|--|------|-------|---|---------|------------|------------|--|
| Diesel (C10-C28) | 3130 | | 25.0 | mg/kg | 1 | B2C3022 | 03/30/2022 | 04/05/2022 | |
| Residual Range Organics (C28-C40) | 898 | | 100 | " | " | " | " | " | |

Surrogate: *o*-Terphenyl 105 % 50-150 " " " S-04

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|--------------|--|--------|-------|-----|---------|------------|------------|--|
| 1,2,4-Trimethylbenzene | 25.0 | | 0.500 | mg/kg | 250 | B2C3028 | 03/30/2022 | 04/09/2022 | |
| 1,3,5-Trimethylbenzene | 11.9 | | 0.500 | " | " | " | " | " | |
| Benzene | 1.45 | | 0.0500 | " | 25 | " | " | 04/03/2022 | |
| Ethylbenzene | 6.35 | | 0.500 | " | 250 | " | " | 04/09/2022 | |
| Toluene | 0.864 | | 0.0500 | " | 25 | " | " | 04/03/2022 | |
| Xylenes, total | 66.3 | | 0.500 | " | 250 | " | " | 04/09/2022 | |
| Gasoline Range Hydrocarbons | 854 | | 50.0 | " | " | " | " | " | |

Surrogate: 1,2-Dichloroethane-d4 139 % 70-130 " " 04/03/2022 GC
 Surrogate: Toluene-d8 107 % 70-130 " " " S-GC
 Surrogate: 4-Bromofluorobenzene 182 % 70-130 " " " S-GC

PAH by 8270D SIM

| | | | | | | | | | |
|---------------------|-------------|----------------|--------|-------|----|---------|------------|------------|--|
| 1-Methylnaphthalene | 1.33 | 0.00728 | 0.0134 | mg/Kg | 20 | L609000 | 04/06/2022 | 04/06/2022 | |
|---------------------|-------------|----------------|--------|-------|----|---------|------------|------------|--|

Origins Laboratory, Inc.



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
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

MW-2 12FT
3/29/2022 12:00:00AM

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

Waypoint Analytical, Inc.
Y203766-02 (Soil)

PAH by 8270D SIM

| | | | | | | | | | |
|------------------------|---------|---------|--------|-------|----|---------|------------|------------|---|
| 2-Methylnaphthalene | 2.61 | 0.0129 | 0.0134 | mg/Kg | 20 | L609000 | 04/06/2022 | 04/06/2022 | |
| Acenaphthene | 0.147 | 0.00608 | 0.0134 | " | " | " | " | " | |
| Anthracene | 0.00814 | 0.00668 | 0.0134 | " | " | " | " | " | J |
| Benzo(a)anthracene | ND | 0.00986 | 0.0134 | " | " | " | " | " | |
| Benzo(a)pyrene | ND | 0.00936 | 0.0134 | " | " | " | " | " | |
| Benzo(b)fluoranthene | ND | 0.0117 | 0.0134 | " | " | " | " | " | |
| Benzo(k)fluoranthene | ND | 0.00874 | 0.0134 | " | " | " | " | " | |
| Chrysene | 0.0405 | 0.0125 | 0.0134 | " | " | " | " | " | |
| Dibenz(a,h)anthracene | ND | 0.0123 | 0.0134 | " | " | " | " | " | |
| Fluoranthene | ND | 0.00788 | 0.0134 | " | " | " | " | " | |
| Fluorene | 0.271 | 0.00572 | 0.0134 | " | " | " | " | " | |
| Indeno(1,2,3-cd)pyrene | ND | 0.0125 | 0.0134 | " | " | " | " | " | |
| Naphthalene | 0.786 | 0.00968 | 0.0134 | " | " | " | " | " | |
| Pyrene | 0.0201 | 0.0129 | 0.0134 | " | " | " | " | " | |

| | | | | | |
|-----------------------------|--------|--------|---|---|---|
| Surrogate: 2-Fluorobiphenyl | 83.4 % | 33-115 | " | " | " |
| Surrogate: 4-Terphenyl-d14 | 90.5 % | 33-122 | " | " | " |
| Surrogate: Nitrobenzene-d5 | 58.5 % | 29-110 | " | " | " |

Total Metals by 6020B

Origins Laboratory, Inc.



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
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

MW-2 12FT

3/29/2022 12:00:00AM

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

Waypoint Analytical, Inc.
Y203766-02 (Soil)

Total Metals by 6020B

| | | | | | | | | | |
|----------|--------|--------|------|-------|---|---------|------------|------------|---|
| Arsenic | 2.76 | 0.0855 | 0.25 | mg/Kg | 5 | L608405 | 04/01/2022 | 04/05/2022 | |
| Barium | 83.1 | 0.042 | 0.25 | " | " | " | " | " | |
| Cadmium | 0.0539 | 0.0259 | 0.25 | " | " | " | " | " | J |
| Copper | 3.37 | 0.0806 | 0.25 | " | " | " | " | " | |
| Lead | 4.65 | 0.031 | 0.25 | " | " | " | " | " | |
| Nickel | 4.6 | 0.0633 | 0.25 | " | " | " | " | " | |
| Selenium | 0.255 | 0.103 | 0.25 | " | " | " | " | " | |
| Silver | 0.0105 | 0.0067 | 0.25 | " | " | " | " | " | J |
| Zinc | 17.8 | 0.534 | 2.5 | " | " | " | " | " | |

Total Metals by 7196A

| | | | | | | | | | |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|--|
| Chromium, Hexavalent | ND | 0.244 | 0.5 | mg/Kg | 1 | L609418 | 03/29/2022 | 04/07/2022 | |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|--|

Origins Laboratory, Inc.



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
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

MW-2 16FT
3/29/2022 12:00:00AM

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

Origins Laboratory, Inc.
Y203766-03 (Soil)

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|--|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | | 25.0 | mg/kg | 1 | B2C3022 | 03/30/2022 | 04/05/2022 | U |
| Residual Range Organics (C28-C40) | ND | | 100 | " | " | " | " | " | U |

| | | | | | | | | | |
|--------------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: <i>o</i> -Terphenyl | 99.0 % | | 50-150 | | | " | " | " | |
|--------------------------------|--------|--|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----------------|--|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | 0.00954 | | 0.00200 | mg/kg | 1 | B2C3028 | 03/30/2022 | 04/03/2022 | |
| 1,3,5-Trimethylbenzene | 0.00476 | | 0.00200 | " | " | " | " | " | |
| Benzene | ND | | 0.00200 | " | " | " | " | " | U |
| Ethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Naphthalene | ND | | 0.00380 | " | " | " | " | " | U |
| Toluene | ND | | 0.00200 | " | " | " | " | " | U |
| Xylenes, total | 0.00766 | | 0.00200 | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | | 0.200 | " | " | " | " | " | U |

| | | | | | | | | | |
|----------------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 102 % | | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 95.2 % | | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 95.8 % | | 70-130 | | | " | " | " | |

Origins Laboratory, Inc.



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
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

MW-2 20FT
3/29/2022 12:00:00AM

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

Origins Laboratory, Inc.
Y203766-04 (Soil)

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|--|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | | 25.0 | mg/kg | 1 | B2C3022 | 03/30/2022 | 04/05/2022 | U |
| Residual Range Organics (C28-C40) | ND | | 100 | " | " | " | " | " | U |

| | | | | | | | | | |
|------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 87.5 % | | 50-150 | | | " | " | " | |
|------------------------|--------|--|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|--------|--|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | 0.0254 | | 0.00200 | mg/kg | 1 | B2C3028 | 03/30/2022 | 04/03/2022 | |
| 1,3,5-Trimethylbenzene | 0.0117 | | 0.00200 | " | " | " | " | " | |
| Benzene | ND | | 0.00200 | " | " | " | " | " | U |
| Ethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Naphthalene | ND | | 0.00380 | " | " | " | " | " | U |
| Toluene | ND | | 0.00200 | " | " | " | " | " | U |
| Xylenes, total | 0.0108 | | 0.00200 | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 1.15 | | 0.200 | " | " | " | " | " | |

| | | | | | | | | | |
|----------------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 106 % | | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 94.1 % | | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 99.7 % | | 70-130 | | | " | " | " | |

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

MW-3 8FT

3/29/2022 12:00:00AM

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

Origins Laboratory, Inc.
Y203766-05 (Soil)

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|------|--|------|-------|---|---------|------------|------------|--|
| Diesel (C10-C28) | 1010 | | 25.0 | mg/kg | 1 | B2C3022 | 03/30/2022 | 04/05/2022 | |
| Residual Range Organics (C28-C40) | 540 | | 100 | " | " | " | " | " | |

Surrogate: *o*-Terphenyl 127 % 50-150 " " "

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|------|--|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | | 0.00200 | mg/kg | 1 | B2C3028 | 03/30/2022 | 04/03/2022 | U |
| 1,3,5-Trimethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Benzene | ND | | 0.00200 | " | " | " | " | " | U |
| Ethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Naphthalene | ND | | 0.00380 | " | " | " | " | " | U |
| Toluene | ND | | 0.00200 | " | " | " | " | " | U |
| Xylenes, total | ND | | 0.00200 | " | " | " | " | " | U |
| Gasoline Range Hydrocarbons | 1.73 | | 0.200 | " | " | " | " | " | |

Surrogate: 1,2-Dichloroethane-d4 104 % 70-130 " " "
 Surrogate: Toluene-d8 98.4 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 100 % 70-130 " " "

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

MW-3 10FT

3/29/2022 12:00:00AM

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

Origins Laboratory, Inc.
Y203766-06 (Soil)

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|-------------|--|------|-------|---|---------|------------|------------|--|
| Diesel (C10-C28) | 3470 | | 25.0 | mg/kg | 1 | B2C3022 | 03/30/2022 | 04/05/2022 | |
| Residual Range Organics (C28-C40) | 1100 | | 100 | " | " | " | " | " | |

Surrogate: *o*-Terphenyl 131 % 50-150 " " "

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----------------|--|---------|-------|-----|---------|------------|------------|--|
| 1,2,4-Trimethylbenzene | 46.3 | | 0.500 | mg/kg | 250 | B2C3028 | 03/30/2022 | 04/12/2022 | |
| 1,3,5-Trimethylbenzene | 20.4 | | 0.500 | " | " | " | " | " | |
| Benzene | 0.00936 | | 0.00200 | " | 1 | " | " | 04/03/2022 | |
| Ethylbenzene | 4.25 | | 0.500 | " | 250 | " | " | 04/12/2022 | |
| Naphthalene | 2.23 | | 0.250 | " | 25 | " | " | 04/09/2022 | |
| Toluene | 0.00946 | | 0.00200 | " | 1 | " | " | 04/03/2022 | |
| Xylenes, total | 90.9 | | 0.00200 | " | " | " | " | 04/09/2022 | |
| Gasoline Range Hydrocarbons | 843 | | 50.0 | " | 250 | " | " | 04/12/2022 | |

Surrogate: 1,2-Dichloroethane-d4 76.2 % 70-130 " " 04/09/2022
 Surrogate: Toluene-d8 138 % 70-130 " " " S-GC
 Surrogate: 4-Bromofluorobenzene 105 % 70-130 " " " "

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

MW-4 10FT

3/29/2022 12:00:00AM

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

Origins Laboratory, Inc.
Y203766-07 (Soil)

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|------|--|------|-------|---|---------|------------|------------|--|
| Diesel (C10-C28) | 1960 | | 25.0 | mg/kg | 1 | B2C3022 | 03/30/2022 | 04/05/2022 | |
| Residual Range Organics (C28-C40) | 645 | | 100 | " | " | " | " | " | |

| | | | | | | | | | |
|--------------------------------|-------|--|--------|--|--|---|---|---|--|
| Surrogate: <i>o</i> -Terphenyl | 107 % | | 50-150 | | | " | " | " | |
|--------------------------------|-------|--|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|---------|--|---------|-------|-----|---------|------------|------------|-----|
| 1,2,4-Trimethylbenzene | 42.1 | | 0.500 | mg/kg | 250 | B2C3028 | 03/30/2022 | 04/14/2022 | 0-9 |
| 1,3,5-Trimethylbenzene | 8.61 | | 0.0500 | " | 25 | " | " | 04/09/2022 | |
| Benzene | 0.00212 | | 0.00200 | " | 1 | " | " | 04/03/2022 | |
| Ethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Naphthalene | ND | | 0.00380 | " | " | " | " | " | U |
| Toluene | 0.00380 | | 0.00200 | " | " | " | " | " | |
| Xylenes, total | 17.6 | | 0.0500 | " | 25 | " | " | 04/09/2022 | |
| Gasoline Range Hydrocarbons | 336 | | 5.00 | " | " | " | " | " | |

| | | | | | | | | | |
|----------------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 79.8 % | | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 110 % | | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 107 % | | 70-130 | | | " | " | " | |

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

MW-4 12FT
3/29/2022 12:00:00AM

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

Origins Laboratory, Inc.
Y203766-08 (Soil)

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|-----|--|------|-------|---|---------|------------|------------|--|
| Diesel (C10-C28) | 849 | | 25.0 | mg/kg | 1 | B2C3022 | 03/30/2022 | 04/05/2022 | |
| Residual Range Organics (C28-C40) | 270 | | 100 | " | " | " | " | " | |

Surrogate: *o*-Terphenyl 88.7 % 50-150 " " "

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|---------|--|---------|-------|-----|---------|------------|------------|-----|
| 1,2,4-Trimethylbenzene | 24.3 | | 0.500 | mg/kg | 250 | B2C3028 | 03/30/2022 | 04/14/2022 | 0-9 |
| 1,3,5-Trimethylbenzene | 5.50 | | 0.0500 | " | 25 | " | " | 04/09/2022 | |
| Benzene | 0.00380 | | 0.00200 | " | 1 | " | " | 04/03/2022 | |
| Ethylbenzene | 2.64 | | 0.0500 | " | 25 | " | " | 04/09/2022 | |
| Naphthalene | 0.259 | | 0.0100 | " | 1 | " | " | 04/03/2022 | |
| Toluene | 0.00554 | | 0.00200 | " | " | " | " | " | |
| Xylenes, total | 0.00680 | | 0.00200 | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 325 | | 5.00 | " | 25 | " | " | 04/09/2022 | |

Surrogate: 1,2-Dichloroethane-d4 79.3 % 70-130 " " "
 Surrogate: Toluene-d8 120 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 103 % 70-130 " " "

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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

MW-5 10FT

3/29/2022 12:00:00AM

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

Origins Laboratory, Inc.
Y203766-09 (Soil)

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|------|--|------|-------|---|---------|------------|------------|--|
| Diesel (C10-C28) | 1550 | | 25.0 | mg/kg | 1 | B2C3022 | 03/30/2022 | 04/05/2022 | |
| Residual Range Organics (C28-C40) | 491 | | 100 | " | " | " | " | " | |

Surrogate: *o*-Terphenyl 98.9 % 50-150 " " "

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|---------|--|---------|-------|-----|---------|------------|------------|--|
| 1,2,4-Trimethylbenzene | 39.9 | | 0.500 | mg/kg | 250 | B2C3028 | 03/30/2022 | 04/13/2022 | |
| 1,3,5-Trimethylbenzene | 15.7 | | 0.500 | " | " | " | " | " | |
| Benzene | 0.00588 | | 0.00200 | " | 1 | " | " | 04/03/2022 | |
| Ethylbenzene | 1.94 | | 0.0500 | " | 25 | " | " | 04/12/2022 | |
| Naphthalene | 0.367 | | 0.0100 | " | 1 | " | " | 04/03/2022 | |
| Toluene | 0.00420 | | 0.00200 | " | " | " | " | " | |
| Xylenes, total | 10.1 | | 0.00200 | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 188 | | 5.00 | " | 25 | " | " | 04/09/2022 | |

Surrogate: 1,2-Dichloroethane-d4 79.6 % 70-130 " " "
 Surrogate: Toluene-d8 103 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 104 % 70-130 " " "

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

MW-5 14FT
3/29/2022 12:00:00AM

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

Origins Laboratory, Inc.
Y203766-10 (Soil)

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|-----|--|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | 177 | | 25.0 | mg/kg | 1 | B2C3022 | 03/30/2022 | 04/05/2022 | |
| Residual Range Organics (C28-C40) | ND | | 100 | " | " | " | " | " | U |

Surrogate: *o*-Terphenyl 97.9 % 50-150 " " "

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|--------|--|---------|-------|----|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | 2.08 | | 0.0500 | mg/kg | 25 | B2C3028 | 03/30/2022 | 04/09/2022 | |
| 1,3,5-Trimethylbenzene | 1.25 | | 0.0500 | " | " | " | " | " | |
| Benzene | ND | | 0.00200 | " | 1 | " | " | 04/03/2022 | U |
| Ethylbenzene | 0.175 | | 0.00200 | " | " | " | " | " | |
| Naphthalene | 0.0288 | | 0.0100 | " | " | " | " | " | |
| Toluene | ND | | 0.00200 | " | " | " | " | " | U |
| Xylenes, total | 0.0258 | | 0.00200 | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 40.9 | | 5.00 | " | 25 | " | " | 04/09/2022 | |

Surrogate: 1,2-Dichloroethane-d4 78.5 % 70-130 " " "
 Surrogate: Toluene-d8 98.8 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 101 % 70-130 " " "

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

MW-6 10FT

3/29/2022 12:00:00AM

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

Origins Laboratory, Inc.
Y203766-11 (Soil)

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|--|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | | 25.0 | mg/kg | 1 | B2C3022 | 03/30/2022 | 04/05/2022 | U |
| Residual Range Organics (C28-C40) | ND | | 100 | " | " | " | " | " | U |

| | | | | | | | | | |
|--------------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: <i>o</i> -Terphenyl | 97.0 % | | 50-150 | | | " | " | " | |
|--------------------------------|--------|--|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----|--|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | | 0.00200 | mg/kg | 1 | B2C3028 | 03/30/2022 | 04/04/2022 | U |
| 1,3,5-Trimethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Benzene | ND | | 0.00200 | " | " | " | " | " | U |
| Ethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Naphthalene | ND | | 0.00380 | " | " | " | " | " | U |
| Toluene | ND | | 0.00200 | " | " | " | " | " | U |
| Xylenes, total | ND | | 0.00200 | " | " | " | " | " | U |
| Gasoline Range Hydrocarbons | ND | | 0.200 | " | " | " | " | " | U |

| | | | | | | | | | |
|----------------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 97.2 % | | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 97.9 % | | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 95.5 % | | 70-130 | | | " | " | " | |

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

MW-6 12FT
3/29/2022 12:00:00AM

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

Origins Laboratory, Inc.
Y203766-12 (Soil)

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|-----|--|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | 128 | | 25.0 | mg/kg | 1 | B2C3022 | 03/30/2022 | 04/05/2022 | |
| Residual Range Organics (C28-C40) | ND | | 100 | " | " | " | " | " | U |

Surrogate: *o*-Terphenyl 85.3 % 50-150 " " "

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|--------|--|---------|-------|-----|---------|------------|------------|-----|
| 1,2,4-Trimethylbenzene | 15.1 | | 0.500 | mg/kg | 250 | B2C3028 | 03/30/2022 | 04/14/2022 | 0-9 |
| 1,3,5-Trimethylbenzene | 2.54 | | 0.500 | " | " | " | " | " | 0-9 |
| Benzene | 0.0498 | | 0.00200 | " | 1 | " | " | 04/04/2022 | |
| Ethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Naphthalene | 0.102 | | 0.0100 | " | " | " | " | " | |
| Toluene | ND | | 0.00200 | " | " | " | " | " | U |
| Xylenes, total | 0.178 | | 0.00200 | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 60.0 | | 5.00 | " | 25 | " | " | 04/14/2022 | 0-9 |

Surrogate: 1,2-Dichloroethane-d4 98.3 % 70-130 " " 04/04/2022
 Surrogate: Toluene-d8 93.6 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 211 % 70-130 " " " S-GC

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

MW-7 10FT
3/29/2022 12:00:00AM

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

Origins Laboratory, Inc.
Y203766-13 (Soil)

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|--|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | | 25.0 | mg/kg | 1 | B2C3022 | 03/30/2022 | 04/05/2022 | U |
| Residual Range Organics (C28-C40) | ND | | 100 | " | " | " | " | " | U |

| | | | | | | | | | |
|--------------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: <i>o</i> -Terphenyl | 96.2 % | | 50-150 | | | " | " | " | |
|--------------------------------|--------|--|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----|--|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | | 0.00200 | mg/kg | 1 | B2C3028 | 03/30/2022 | 04/04/2022 | U |
| 1,3,5-Trimethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Benzene | ND | | 0.00200 | " | " | " | " | " | U |
| Ethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Naphthalene | ND | | 0.00380 | " | " | " | " | " | U |
| Toluene | ND | | 0.00200 | " | " | " | " | " | U |
| Xylenes, total | ND | | 0.00200 | " | " | " | " | " | U |
| Gasoline Range Hydrocarbons | ND | | 0.200 | " | " | " | " | " | U |

| | | | | | | | | | |
|----------------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 97.4 % | | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 93.5 % | | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 98.0 % | | 70-130 | | | " | " | " | |

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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

MW-7 12FT
3/29/2022 12:00:00AM

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

Origins Laboratory, Inc.
Y203766-14 (Soil)

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|------------|--|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | 280 | | 25.0 | mg/kg | 1 | B2C3023 | 03/30/2022 | 04/06/2022 | |
| Residual Range Organics (C28-C40) | ND | | 100 | " | " | " | " | " | U |

Surrogate: *o*-Terphenyl 113 % 50-150 " " "

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|---------------|--|---------|-------|----|---------|------------|------------|-----|
| 1,2,4-Trimethylbenzene | 0.0590 | | 0.00200 | mg/kg | 1 | B2C3028 | 03/30/2022 | 04/04/2022 | |
| 1,3,5-Trimethylbenzene | 1.01 | | 0.0500 | " | 25 | " | " | 04/14/2022 | 0-9 |
| Benzene | ND | | 0.00200 | " | 1 | " | " | 04/04/2022 | U |
| Ethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Naphthalene | ND | | 0.00380 | " | " | " | " | " | U |
| Toluene | ND | | 0.00200 | " | " | " | " | " | U |
| Xylenes, total | ND | | 0.00200 | " | " | " | " | " | U |
| Gasoline Range Hydrocarbons | 15.7 | | 0.200 | " | " | " | " | " | |

Surrogate: 1,2-Dichloroethane-d4 96.9 % 70-130 " " "
 Surrogate: Toluene-d8 93.4 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 166 % 70-130 " " " S-GC

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

MW-8 10FT

3/29/2022 12:00:00AM

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

Origins Laboratory, Inc.
Y203766-15 (Soil)

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|--|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | | 25.0 | mg/kg | 1 | B2C3023 | 03/30/2022 | 04/06/2022 | U |
| Residual Range Organics (C28-C40) | ND | | 100 | " | " | " | " | " | U |

| | | | | | | | | | |
|------------------------|-------|--|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 113 % | | 50-150 | | | " | " | " | |
|------------------------|-------|--|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----|--|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | | 0.00200 | mg/kg | 1 | B2C3028 | 03/30/2022 | 04/04/2022 | U |
| 1,3,5-Trimethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Benzene | ND | | 0.00200 | " | " | " | " | " | U |
| Ethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Naphthalene | ND | | 0.00380 | " | " | " | " | " | U |
| Toluene | ND | | 0.00200 | " | " | " | " | " | U |
| Xylenes, total | ND | | 0.00200 | " | " | " | " | " | U |
| Gasoline Range Hydrocarbons | ND | | 0.200 | " | " | " | " | " | U |

| | | | | | | | | | |
|----------------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 96.3 % | | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 101 % | | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 91.4 % | | 70-130 | | | " | " | " | |

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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

MW-8 12FT

3/29/2022 12:00:00AM

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

Origins Laboratory, Inc.
Y203766-16 (Soil)

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|------|--|------|-------|---|---------|------------|------------|--|
| Diesel (C10-C28) | 1360 | | 25.0 | mg/kg | 1 | B2C3023 | 03/30/2022 | 04/06/2022 | |
| Residual Range Organics (C28-C40) | 450 | | 100 | " | " | " | " | " | |

Surrogate: *o*-Terphenyl 120 % 50-150 " " " S-04

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|---------|--|---------|-------|----|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | 0.172 | | 0.00200 | mg/kg | 1 | B2C3028 | 03/30/2022 | 04/04/2022 | |
| 1,3,5-Trimethylbenzene | 0.0223 | | 0.00200 | " | " | " | " | " | |
| Benzene | ND | | 0.00200 | " | " | " | " | " | U |
| Ethylbenzene | 0.00414 | | 0.00200 | " | " | " | " | " | |
| Naphthalene | 0.0168 | | 0.0100 | " | " | " | " | " | |
| Toluene | 0.00210 | | 0.00200 | " | " | " | " | " | |
| Xylenes, total | 0.00202 | | 0.00200 | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 274 | | 5.00 | " | 25 | " | " | 04/09/2022 | |

Surrogate: 1,2-Dichloroethane-d4 98.1 % 70-130 " " 04/04/2022
 Surrogate: Toluene-d8 102 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 351 % 70-130 " " " S-GC

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

MW-9 10FT
3/29/2022 12:00:00AM

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

Origins Laboratory, Inc.
Y203766-17 (Soil)

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|------|--|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | 25.3 | | 25.0 | mg/kg | 1 | B2C3023 | 03/30/2022 | 04/06/2022 | |
| Residual Range Organics (C28-C40) | ND | | 100 | " | " | " | " | " | U |

Surrogate: *o*-Terphenyl 120 % 50-150 " " "

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----|--|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | | 0.00200 | mg/kg | 1 | B2C3028 | 03/30/2022 | 04/04/2022 | U |
| 1,3,5-Trimethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Benzene | ND | | 0.00200 | " | " | " | " | " | U |
| Ethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Naphthalene | ND | | 0.00380 | " | " | " | " | " | U |
| Toluene | ND | | 0.00200 | " | " | " | " | " | U |
| Xylenes, total | ND | | 0.00200 | " | " | " | " | " | U |
| Gasoline Range Hydrocarbons | ND | | 0.200 | " | " | " | " | " | U |

Surrogate: 1,2-Dichloroethane-d4 97.4 % 70-130 " " "
 Surrogate: Toluene-d8 96.4 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 93.3 % 70-130 " " "

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

MW-9 12FT
3/29/2022 12:00:00AM

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

Origins Laboratory, Inc.
Y203766-18 (Soil)

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|--|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | | 25.0 | mg/kg | 1 | B2C3023 | 03/30/2022 | 04/06/2022 | U |
| Residual Range Organics (C28-C40) | ND | | 100 | " | " | " | " | " | U |

| | | | | | | | | | |
|------------------------|-------|--|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 120 % | | 50-150 | | | " | " | " | |
|------------------------|-------|--|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----|--|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | | 0.00200 | mg/kg | 1 | B2C3028 | 03/30/2022 | 04/04/2022 | U |
| 1,3,5-Trimethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Benzene | ND | | 0.00200 | " | " | " | " | " | U |
| Ethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Naphthalene | ND | | 0.00380 | " | " | " | " | " | U |
| Toluene | ND | | 0.00200 | " | " | " | " | " | U |
| Xylenes, total | ND | | 0.00200 | " | " | " | " | " | U |
| Gasoline Range Hydrocarbons | ND | | 0.200 | " | " | " | " | " | U |

| | | | | | | | | | |
|----------------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 96.8 % | | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 96.0 % | | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 93.2 % | | 70-130 | | | " | " | " | |

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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-----------------------------------|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| Batch B2C3022 - EPA 3550B | | | | | | | | | | |
| Blank (B2C3022-BLK1) | | | | | | | | | | |
| | | | | | Prepared: 03/30/2022 Analyzed: 04/05/2022 | | | | | |
| Diesel (C10-C28) | ND | 25.0 | mg/kg | | | | | | | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | | | | | | | U |
| Surrogate: o-Terphenyl | 22 | | " | 24.9 | | 86.5 | 50-150 | | | |

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

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

Batch B2C3022 - EPA 3550B

LCS (B2C3022-BS1)

Prepared: 03/30/2022 Analyzed: 04/05/2022

| | | | | | | | | | | |
|-----------------------------------|-----|------|-------|------|--|------|--------|--|--|--|
| Diesel (C10-C28) | 769 | 50.0 | mg/kg | 1000 | | 76.9 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 916 | 200 | " | 1000 | | 91.6 | 70-130 | | | |
| Surrogate: o-Terphenyl | 43 | | " | 49.8 | | 86.0 | 50-150 | | | |

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Fremont Environmental
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 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

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

Batch B2C3022 - EPA 3550B

| Matrix Spike (B2C3022-MS1) | Source: Y203762-03 | | | Prepared: 03/30/2022 Analyzed: 04/05/2022 | | | | | | |
|-----------------------------------|---------------------------|------|-------|--|----|------|--------|--|--|--|
| Diesel (C10-C28) | 862 | 50.0 | mg/kg | 1000 | ND | 86.2 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 1030 | 200 | " | 1000 | ND | 103 | 70-130 | | | |
| Surrogate: o-Terphenyl | 55 | | " | 49.8 | | 111 | 50-150 | | | |

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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------|-------|-------------|---------------------------|------|-------------|------|-----------|---|
| Batch B2C3022 - EPA 3550B | | | | | | | | | | |
| Matrix Spike Dup (B2C3022-MSD1) | | | | | Source: Y203762-03 | | | | | Prepared: 03/30/2022 Analyzed: 04/05/2022 |
| Diesel (C10-C28) | 746 | 50.0 | mg/kg | 1000 | ND | 74.6 | 70-130 | 14.4 | 35 | |
| Residual Range Organics (C28-C40) | 917 | 200 | " | 1000 | ND | 91.7 | 70-130 | 11.8 | 35 | |
| Surrogate: o-Terphenyl | 42 | | " | 49.8 | | 84.1 | 50-150 | | | |

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-----------------------------------|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| Batch B2C3023 - EPA 3550B | | | | | | | | | | |
| Blank (B2C3023-BLK1) | | | | | | | | | | |
| | | | | | Prepared: 03/30/2022 Analyzed: 04/06/2022 | | | | | |
| Diesel (C10-C28) | ND | 25.0 | mg/kg | | | | | | | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | | | | | | | U |
| Surrogate: o-Terphenyl | 31 | | " | 24.9 | | 126 | 50-150 | | | |

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

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

Batch B2C3023 - EPA 3550B

LCS (B2C3023-BS1)

Prepared: 03/30/2022 Analyzed: 04/06/2022

| | | | | | | | | | | |
|-----------------------------------|------|------|-------|------|--|-----|--------|--|--|--|
| Diesel (C10-C28) | 1120 | 50.0 | mg/kg | 1000 | | 112 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 1180 | 200 | " | 1000 | | 118 | 70-130 | | | |
| Surrogate: o-Terphenyl | 66 | | " | 49.8 | | 133 | 50-150 | | | |

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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

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

Batch B2C3023 - EPA 3550B

| Matrix Spike (B2C3023-MS1) | Source: Y203766-15 | | | Prepared: 03/30/2022 Analyzed: 04/06/2022 | | | | | | |
|-----------------------------------|---------------------------|------|-------|--|----|-----|--------|--|--|--|
| Diesel (C10-C28) | 1130 | 50.0 | mg/kg | 1000 | ND | 113 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 1190 | 200 | " | 1000 | ND | 119 | 70-130 | | | |
| Surrogate: o-Terphenyl | 60 | | " | 49.8 | | 121 | 50-150 | | | |

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------|-------|-------------|---------------------------|------|-------------|------|-----------|---|
| Batch B2C3023 - EPA 3550B | | | | | | | | | | |
| Matrix Spike Dup (B2C3023-MSD1) | | | | | Source: Y203766-15 | | | | | Prepared: 03/30/2022 Analyzed: 04/06/2022 |
| Diesel (C10-C28) | 1070 | 50.0 | mg/kg | 1000 | ND | 107 | 70-130 | 6.02 | 35 | |
| Residual Range Organics (C28-C40) | 1100 | 200 | " | 1000 | ND | 110 | 70-130 | 7.93 | 35 | |
| Surrogate: o-Terphenyl | 57 | | " | 49.8 | | 115 | 50-150 | | | |

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

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

Batch B2C3028 - EPA 5030 (soil)

Blank (B2C3028-BLK1)

Prepared: 03/30/2022 Analyzed: 04/03/2022

| | | | | | | | | | | |
|----------------------------------|-------|---------|-------|-------|------|--|--------|--|--|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | | | | | | | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | | | | | | | U |
| Benzene | ND | 0.00200 | " | | | | | | | U |
| Ethylbenzene | ND | 0.00200 | " | | | | | | | U |
| Naphthalene | ND | 0.0100 | " | | | | | | | U |
| Toluene | ND | 0.00200 | " | | | | | | | U |
| Xylenes, total | ND | 0.00200 | " | | | | | | | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | | | | | | | U |
| Surrogate: 1,2-Dichloroethane-d4 | 0.091 | | " | 0.125 | 72.8 | | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | 105 | | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | 95.1 | | 70-130 | | | |

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

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

Batch B2C3028 - EPA 5030 (soil)

LCS (B2C3028-BS1)

Prepared: 03/30/2022 Analyzed: 04/03/2022

| | | | | | | | | | | |
|----------------------------------|--------|---------|-------|-------|--|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.101 | 0.00200 | mg/kg | 0.100 | | 101 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.102 | 0.00200 | " | 0.100 | | 102 | 70-130 | | | |
| Benzene | 0.104 | 0.00200 | " | 0.100 | | 104 | 70-130 | | | |
| Ethylbenzene | 0.100 | 0.00200 | " | 0.100 | | 100 | 70-130 | | | |
| Naphthalene | 0.0968 | 0.0100 | " | 0.100 | | 96.8 | 70-130 | | | |
| Toluene | 0.103 | 0.00200 | " | 0.100 | | 103 | 70-130 | | | |
| o-Xylene | 0.0995 | 0.00200 | " | 0.100 | | 99.5 | 70-130 | | | |
| m,p-Xylene | 0.201 | 0.00400 | " | 0.200 | | 100 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 95.0 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 95.0 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 101 | 70-130 | | | |

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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

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

Batch B2C3028 - EPA 5030 (soil)

| Matrix Spike (B2C3028-MS1) | Source: Y203740-01 | | | Prepared: 03/30/2022 Analyzed: 04/06/2022 | | | | | | |
|----------------------------------|--------------------|---------|-------|---|----------|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.0732 | 0.00200 | mg/kg | 0.100 | ND | 73.2 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0749 | 0.00200 | " | 0.100 | ND | 74.9 | 70-130 | | | |
| Benzene | 0.0860 | 0.00200 | " | 0.100 | ND | 86.0 | 70-130 | | | |
| Ethylbenzene | 0.0856 | 0.00200 | " | 0.100 | ND | 85.6 | 70-130 | | | |
| Naphthalene | 0.0798 | 0.0100 | " | 0.100 | 0.000900 | 78.9 | 70-130 | | | |
| Toluene | 0.0876 | 0.00200 | " | 0.100 | ND | 87.6 | 70-130 | | | |
| o-Xylene | 0.0825 | 0.00200 | " | 0.100 | ND | 82.5 | 70-130 | | | |
| m,p-Xylene | 0.167 | 0.00400 | " | 0.200 | ND | 83.5 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 99.1 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | | 101 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 103 | 70-130 | | | |

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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

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

Batch B2C3028 - EPA 5030 (soil)

| Matrix Spike Dup (B2C3028-MSD1) | Source: Y203740-01 | | | Prepared: 03/30/2022 Analyzed: 04/06/2022 | | | | | | |
|----------------------------------|--------------------|---------|-------|---|----------|------|--------|-------|----|--|
| 1,2,4-Trimethylbenzene | 0.0764 | 0.00200 | mg/kg | 0.100 | ND | 76.4 | 70-130 | 4.36 | 20 | |
| 1,3,5-Trimethylbenzene | 0.0779 | 0.00200 | " | 0.100 | ND | 77.9 | 70-130 | 3.90 | 20 | |
| Benzene | 0.0876 | 0.00200 | " | 0.100 | ND | 87.6 | 70-130 | 1.87 | 20 | |
| Ethylbenzene | 0.0849 | 0.00200 | " | 0.100 | ND | 84.9 | 70-130 | 0.797 | 20 | |
| Naphthalene | 0.0878 | 0.0100 | " | 0.100 | 0.000900 | 86.9 | 70-130 | 9.59 | 20 | |
| Toluene | 0.0885 | 0.00200 | " | 0.100 | ND | 88.5 | 70-130 | 1.05 | 20 | |
| o-Xylene | 0.0835 | 0.00200 | " | 0.100 | ND | 83.5 | 70-130 | 1.18 | 20 | |
| m,p-Xylene | 0.166 | 0.00400 | " | 0.200 | ND | 83.0 | 70-130 | 0.661 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 98.2 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 99.5 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 99.5 | 70-130 | | | |

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

PAH by 8270D SIM - Quality Control
Waypoint Analytical, Inc.

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

Batch L609000 - 3550B

| MSD (L 86265-MSD-L609000) | | Source: 86265 | | | Prepared: 04/06/2022 Analyzed: 04/06/2022 | | | | | |
|----------------------------------|-------|----------------------|-------|-------|---|------|--------|------|----|--|
| Benzo(a)pyrene | 0.12 | 0.000468 | mg/Kg | 0.167 | 86265 | 71.8 | 30-130 | 3.3 | 30 | |
| Benzo(b)fluoranthene | 0.147 | 0.000585 | " | 0.167 | 86265 | 88 | 30-130 | 15.3 | 30 | |
| Dibenz(a,h)anthracene | 0.172 | 0.000614 | " | 0.167 | 86265 | 103 | 30-130 | 5.9 | 30 | |
| Benzo(a)anthracene | 0.125 | 0.000493 | " | 0.167 | 86265 | 74.8 | 30-130 | 1.6 | 30 | |
| Anthracene | 0.13 | 0.000334 | " | 0.167 | 86265 | 77.8 | 30-130 | 1.5 | 30 | |
| Acenaphthene | 0.113 | 0.000304 | " | 0.167 | 86265 | 67.6 | 30-130 | 0.8 | 30 | |
| Benzo(k)fluoranthene | 0.109 | 0.000437 | " | 0.167 | 86265 | 65.2 | 30-130 | 14.4 | 30 | |
| Chrysene | 0.113 | 0.000624 | " | 0.167 | 86265 | 67.6 | 30-130 | 0.8 | 30 | |
| Fluoranthene | 0.14 | 0.000394 | " | 0.167 | 86265 | 83.8 | 30-130 | 4.1 | 30 | |
| 2-Methylnaphthalene | 0.118 | 0.000645 | " | 0.167 | 86265 | 70.6 | 30-130 | 3.4 | 30 | |
| 1-Methylnaphthalene | 0.119 | 0.000364 | " | 0.167 | 86265 | 71.2 | 30-130 | 3.4 | 30 | |
| Pyrene | 0.142 | 0.000643 | " | 0.167 | 86265 | 85 | 30-130 | 2 | 30 | |
| Naphthalene | 0.113 | 0.000484 | " | 0.167 | 86265 | 67.6 | 30-130 | 3.6 | 30 | |
| Indeno(1,2,3-cd)pyrene | 0.161 | 0.000627 | " | 0.167 | 86265 | 96.4 | 30-130 | 3.7 | 30 | |
| Fluorene | 0.125 | 0.000286 | " | 0.167 | 86265 | 74.8 | 30-130 | 0.7 | 30 | |
| Surrogate: 4-Terphenyl-d14 | 101 | | " | 0.333 | 259 | 101 | 33-122 | | | |
| Surrogate: Nitrobenzene-d5 | 55.8 | | " | 0.333 | 177 | 55.8 | 29-110 | | | |
| Surrogate: 2-Fluorobiphenyl | 75.6 | | " | 0.333 | 222 | 75.6 | 33-115 | | | |

| MS (L 86265-MS-L609000) | | Source: 86265 | | | Prepared: 04/06/2022 Analyzed: 04/06/2022 | | | | | |
|--------------------------------|-------|----------------------|-------|-------|---|------|--------|--|--|--|
| Dibenz(a,h)anthracene | 0.162 | 0.000614 | mg/Kg | 0.163 | 86265 | 99.3 | 30-130 | | | |
| Fluoranthene | 0.146 | 0.000394 | " | 0.163 | 86265 | 89.5 | 30-130 | | | |
| Fluorene | 0.126 | 0.000286 | " | 0.163 | 86265 | 77.3 | 30-130 | | | |
| Indeno(1,2,3-cd)pyrene | 0.155 | 0.000627 | " | 0.163 | 86265 | 95 | 30-130 | | | |
| Naphthalene | 0.109 | 0.000484 | " | 0.163 | 86265 | 66.8 | 30-130 | | | |
| Chrysene | 0.112 | 0.000624 | " | 0.163 | 86265 | 68.7 | 30-130 | | | |
| Pyrene | 0.145 | 0.000643 | " | 0.163 | 86265 | 88.9 | 30-130 | | | |

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

PAH by 8270D SIM - Quality Control
Waypoint Analytical, Inc.

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

Batch L609000 - 3550B

| MS (L 86265-MS-L609000) | Source: 86265 | | | Prepared: 04/06/2022 Analyzed: 04/06/2022 | | | | | | |
|-----------------------------|---------------|----------|-------|---|-------|------|--------|--|--|--|
| Acenaphthene | 0.112 | 0.000304 | mg/Kg | 0.163 | 86265 | 68.7 | 30-130 | | | |
| Benzo(k)fluoranthene | 0.126 | 0.000437 | " | 0.163 | 86265 | 77.3 | 30-130 | | | |
| Benzo(b)fluoranthene | 0.126 | 0.000585 | " | 0.163 | 86265 | 77.3 | 30-130 | | | |
| Benzo(a)pyrene | 0.116 | 0.000468 | " | 0.163 | 86265 | 71.1 | 30-130 | | | |
| Anthracene | 0.132 | 0.000334 | " | 0.163 | 86265 | 80.9 | 30-130 | | | |
| 2-Methylnaphthalene | 0.114 | 0.000645 | " | 0.163 | 86265 | 69.9 | 30-130 | | | |
| 1-Methylnaphthalene | 0.115 | 0.000364 | " | 0.163 | 86265 | 70.5 | 30-130 | | | |
| Benzo(a)anthracene | 0.123 | 0.000493 | " | 0.163 | 86265 | 75.4 | 30-130 | | | |
| Surrogate: Nitrobenzene-d5 | 56.4 | | " | 0.326 | 177 | 56.4 | 29-110 | | | |
| Surrogate: 4-Terphenyl-d14 | 120 | | " | 0.326 | 259 | 120 | 33-122 | | | |
| Surrogate: 2-Fluorobiphenyl | 80.6 | | " | 0.326 | 222 | 80.6 | 33-115 | | | |

| LCS (LCS-L609000) | Prepared: 04/06/2022 Analyzed: 04/06/2022 | | | | | | | | | |
|------------------------|---|----------|-------|-------|--|------|--------|--|--|--|
| Fluoranthene | 0.147 | 0.000394 | mg/Kg | 0.167 | | 88 | 30-130 | | | |
| Benzo(a)anthracene | 0.126 | 0.000493 | " | 0.167 | | 75.4 | 30-130 | | | |
| Chrysene | 0.125 | 0.000624 | " | 0.167 | | 74.8 | 30-130 | | | |
| Naphthalene | 0.122 | 0.000484 | " | 0.167 | | 73 | 30-130 | | | |
| Indeno(1,2,3-cd)pyrene | 0.166 | 0.000627 | " | 0.167 | | 99.4 | 30-130 | | | |
| Fluorene | 0.135 | 0.000286 | " | 0.167 | | 80.8 | 30-130 | | | |
| Dibenz(a,h)anthracene | 0.167 | 0.000614 | " | 0.167 | | 100 | 30-130 | | | |
| Benzo(k)fluoranthene | 0.128 | 0.000437 | " | 0.167 | | 76.6 | 30-130 | | | |
| Benzo(a)pyrene | 0.12 | 0.000468 | " | 0.167 | | 71.8 | 30-130 | | | |
| Pyrene | 0.149 | 0.000643 | " | 0.167 | | 89.2 | 30-130 | | | |
| Anthracene | 0.143 | 0.000334 | " | 0.167 | | 85.6 | 30-130 | | | |
| Acenaphthene | 0.12 | 0.000304 | " | 0.167 | | 71.8 | 30-130 | | | |
| 2-Methylnaphthalene | 0.127 | 0.000645 | " | 0.167 | | 76 | 30-130 | | | |
| 1-Methylnaphthalene | 0.129 | 0.000364 | " | 0.167 | | 77.2 | 30-130 | | | |

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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

PAH by 8270D SIM - Quality Control
Waypoint Analytical, Inc.

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

Batch L609000 - 3550B

LCS (LCS-L609000)

Prepared: 04/06/2022 Analyzed: 04/06/2022

| | | | | | | | | | | |
|-----------------------------|-------|----------|-------|-------|--|------|--------|--|--|--|
| Benzo(b)fluoranthene | 0.141 | 0.000585 | mg/Kg | 0.167 | | 84.4 | 30-130 | | | |
| Surrogate: Nitrobenzene-d5 | 64.8 | | " | 0.333 | | 64.8 | 29-110 | | | |
| Surrogate: 4-Terphenyl-d14 | 119 | | " | 0.333 | | 119 | 33-122 | | | |
| Surrogate: 2-Fluorobiphenyl | 93 | | " | 0.333 | | 93 | 33-115 | | | |

LRB (LRB-L609000)

Prepared: 04/06/2022 Analyzed: 04/06/2022

| | | | | | | | | | | |
|-----------------------------|------|---------|-------|-------|--|------|--------|--|--|--|
| Dibenz(a,h)anthracene | ND | 0.00067 | mg/Kg | | | | - | | | |
| 2-Methylnaphthalene | ND | 0.00067 | " | | | | - | | | |
| Acenaphthene | ND | 0.00067 | " | | | | - | | | |
| Anthracene | ND | 0.00067 | " | | | | - | | | |
| Chrysene | ND | 0.00067 | " | | | | - | | | |
| Pyrene | ND | 0.00067 | " | | | | - | | | |
| Benzo(a)pyrene | ND | 0.00067 | " | | | | - | | | |
| Fluorene | ND | 0.00067 | " | | | | - | | | |
| Fluoranthene | ND | 0.00067 | " | | | | - | | | |
| Benzo(k)fluoranthene | ND | 0.00067 | " | | | | - | | | |
| Benzo(b)fluoranthene | ND | 0.00067 | " | | | | - | | | |
| Naphthalene | ND | 0.00067 | " | | | | - | | | |
| Indeno(1,2,3-cd)pyrene | ND | 0.00067 | " | | | | - | | | |
| 1-Methylnaphthalene | ND | 0.00067 | " | | | | - | | | |
| Benzo(a)anthracene | ND | 0.00067 | " | | | | - | | | |
| Surrogate: 2-Fluorobiphenyl | 69.6 | | " | 0.333 | | 69.6 | 33-115 | | | |
| Surrogate: 4-Terphenyl-d14 | 77.4 | | " | 0.333 | | 77.4 | 33-122 | | | |
| Surrogate: Nitrobenzene-d5 | 51.9 | | " | 0.333 | | 51.9 | 29-110 | | | |

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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

Total Metals by 6020B - Quality Control
Waypoint Analytical, Inc.

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

Batch L608957 - 3050B

| MSD (L 92213-MSD-L608957) | | Source: 92213 | | | Prepared: 04/05/2022 Analyzed: 04/06/2022 | | | | | |
|----------------------------------|-------|----------------------|-------|-------|---|-----|--------|------|----|---|
| Cadmium | 0.464 | 0.0259 | mg/Kg | 0.459 | 0.0407 | 92 | 75-125 | 2.1 | 80 | |
| Copper | 5.94 | 0.0806 | " | 2.3 | 3.69 | 98 | 75-125 | 14.4 | 80 | |
| Lead | 4.68 | 0.031 | " | 2.3 | 5.26 | NR | 75-125 | 10.1 | 80 | * |
| Nickel | 5.79 | 0.0633 | " | 2.3 | 3.88 | 83 | 75-125 | 14 | 80 | |
| Selenium | 3.4 | 0.103 | " | 4.59 | 92213 | 74 | 75-125 | 2 | 80 | * |
| Zinc | 35.4 | 0.534 | " | 23 | 13.6 | 95 | 75-125 | 6.4 | 80 | |
| Arsenic | 2.25 | 0.0855 | " | 2.3 | 1.42 | 36 | 75-125 | 5.6 | 80 | * |
| Barium | 16.9 | 0.042 | " | 4.59 | 18.1 | NR | 75-125 | 14.6 | 80 | * |
| Silver | 0.458 | 0.0067 | " | 0.459 | 92213 | 100 | 75-125 | 0.2 | 80 | |

| MS (L 92213-MS-L608957) | | Source: 92213 | | | Prepared: 04/05/2022 Analyzed: 04/06/2022 | | | | | |
|--------------------------------|-------|----------------------|-------|-------|---|----|--------|--|--|---|
| Arsenic | 2.38 | 0.0855 | mg/Kg | 2.34 | 1.42 | 41 | 75-125 | | | * |
| Zinc | 33.2 | 0.534 | " | 23.4 | 13.6 | 84 | 75-125 | | | |
| Silver | 0.457 | 0.0067 | " | 0.468 | 92213 | 98 | 75-125 | | | |
| Selenium | 3.47 | 0.103 | " | 4.68 | 92213 | 74 | 75-125 | | | * |
| Nickel | 5.03 | 0.0633 | " | 2.34 | 3.88 | 49 | 75-125 | | | * |
| Lead | 5.18 | 0.031 | " | 2.34 | 5.26 | NR | 75-125 | | | * |
| Copper | 5.14 | 0.0806 | " | 2.34 | 3.69 | 62 | 75-125 | | | * |
| Cadmium | 0.454 | 0.0259 | " | 0.468 | 0.0407 | 88 | 75-125 | | | |
| Barium | 14.6 | 0.042 | " | 4.68 | 18.1 | NR | 75-125 | | | * |

| LCS (LCS-L608957) | | Prepared: 04/05/2022 Analyzed: 04/06/2022 | | | | | | | | |
|--------------------------|-------|---|-------|-----|--|-----|--------|--|--|--|
| Copper | 2.63 | 0.0806 | mg/Kg | 2.5 | | 105 | 80-120 | | | |
| Cadmium | 0.483 | 0.0259 | " | 0.5 | | 97 | 80-120 | | | |
| Barium | 4.9 | 0.042 | " | 5 | | 98 | 80-120 | | | |
| Zinc | 25.1 | 0.534 | " | 25 | | 100 | 80-120 | | | |
| Silver | 0.502 | 0.0067 | " | 0.5 | | 100 | 80-120 | | | |

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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

Total Metals by 6020B - Quality Control
Waypoint Analytical, Inc.

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

Batch L608957 - 3050B

LCS (LCS-L608957)

Prepared: 04/05/2022 Analyzed: 04/06/2022

| | | | | | | | | | | |
|----------|------|--------|-------|-----|--|-----|--------|--|--|--|
| Selenium | 4.77 | 0.103 | mg/Kg | 5 | | 95 | 80-120 | | | |
| Nickel | 2.53 | 0.0633 | " | 2.5 | | 101 | 80-120 | | | |
| Lead | 2.4 | 0.031 | " | 2.5 | | 96 | 80-120 | | | |
| Arsenic | 2.4 | 0.0855 | " | 2.5 | | 96 | 80-120 | | | |

LRB (LRB-L608957)

Prepared: 04/05/2022 Analyzed: 04/06/2022

| | | | | | | | | | | |
|----------|--------|------|-------|--|--|--|---|--|--|---|
| Barium | 0.0719 | 0.25 | mg/Kg | | | | - | | | J |
| Cadmium | ND | 0.25 | " | | | | - | | | |
| Copper | ND | 0.25 | " | | | | - | | | |
| Lead | ND | 0.25 | " | | | | - | | | |
| Nickel | ND | 0.25 | " | | | | - | | | |
| Selenium | ND | 0.25 | " | | | | - | | | |
| Silver | ND | 0.25 | " | | | | - | | | |
| Zinc | ND | 2.5 | " | | | | - | | | |
| Arsenic | ND | 0.25 | " | | | | - | | | |

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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

Total Metals by 6020B - Quality Control
Waypoint Analytical, Inc.

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

Batch L608405 - 3050B

| MSD (L 86402-MSD-L608405) | | Source: 86402 | | | Prepared: 04/01/2022 Analyzed: 04/05/2022 | | | | | |
|----------------------------------|-------|----------------------|-------|-------|---|-----|--------|------|----|---|
| Zinc | 65.5 | 0.534 | mg/Kg | 24.2 | 45 | 85 | 75-125 | 0.1 | 80 | |
| Copper | 8.69 | 0.0806 | " | 2.42 | 6.81 | 78 | 75-125 | 4.7 | 80 | |
| Arsenic | 3.45 | 0.0855 | " | 2.42 | 1.16 | 95 | 75-125 | 14 | 80 | |
| Barium | 25.7 | 0.042 | " | 4.84 | 19.6 | 126 | 75-125 | 12.3 | 80 | * |
| Cadmium | 0.537 | 0.0259 | " | 0.484 | 0.136 | 83 | 75-125 | 4.3 | 80 | |
| Lead | 9.31 | 0.031 | " | 2.42 | 6.99 | 96 | 75-125 | 17.5 | 80 | |
| Nickel | 10.2 | 0.0633 | " | 2.42 | 7.66 | 105 | 75-125 | 5.2 | 80 | |
| Silver | 0.501 | 0.0067 | " | 0.484 | 0.0203 | 99 | 75-125 | 0.4 | 80 | |
| Selenium | 4.54 | 0.103 | " | 4.84 | 0.41 | 85 | 75-125 | 5.3 | 80 | |

| MS (L 86402-MS-L608405) | | Source: 86402 | | | Prepared: 04/01/2022 Analyzed: 04/05/2022 | | | | | |
|--------------------------------|-------|----------------------|-------|-------|---|-----|--------|--|--|---|
| Zinc | 65.4 | 0.534 | mg/Kg | 23.5 | 45 | 87 | 75-125 | | | |
| Arsenic | 3.97 | 0.0855 | " | 2.35 | 1.16 | 119 | 75-125 | | | |
| Barium | 22.7 | 0.042 | " | 4.71 | 19.6 | 66 | 75-125 | | | * |
| Cadmium | 0.561 | 0.0259 | " | 0.471 | 0.136 | 90 | 75-125 | | | |
| Copper | 9.11 | 0.0806 | " | 2.35 | 6.81 | 98 | 75-125 | | | |
| Lead | 11.1 | 0.031 | " | 2.35 | 6.99 | 175 | 75-125 | | | * |
| Nickel | 9.68 | 0.0633 | " | 2.35 | 7.66 | 86 | 75-125 | | | |
| Selenium | 4.79 | 0.103 | " | 4.71 | 0.41 | 93 | 75-125 | | | |
| Silver | 0.499 | 0.0067 | " | 0.471 | 0.0203 | 102 | 75-125 | | | |

| LCS (LCS-L608405) | | | | | Prepared: 04/01/2022 Analyzed: 04/05/2022 | | | | | |
|--------------------------|-------|--------|-------|-----|---|----|--------|--|--|--|
| Cadmium | 0.485 | 0.0259 | mg/Kg | 0.5 | | 97 | 80-120 | | | |
| Barium | 4.92 | 0.042 | " | 5 | | 98 | 80-120 | | | |
| Copper | 2.39 | 0.0806 | " | 2.5 | | 96 | 80-120 | | | |
| Lead | 2.36 | 0.031 | " | 2.5 | | 94 | 80-120 | | | |
| Nickel | 2.48 | 0.0633 | " | 2.5 | | 99 | 80-120 | | | |

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

Total Metals by 6020B - Quality Control
Waypoint Analytical, Inc.

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

Batch L608405 - 3050B

LCS (LCS-L608405)

Prepared: 04/01/2022 Analyzed: 04/05/2022

| | | | | | | | | | | |
|----------|-------|--------|-------|-----|--|-----|--------|--|--|--|
| Selenium | 4.96 | 0.103 | mg/Kg | 5 | | 99 | 80-120 | | | |
| Silver | 0.478 | 0.0067 | " | 0.5 | | 96 | 80-120 | | | |
| Zinc | 24.3 | 0.534 | " | 25 | | 97 | 80-120 | | | |
| Arsenic | 2.56 | 0.0855 | " | 2.5 | | 102 | 80-120 | | | |

LRB (LRB-L608405)

Prepared: 04/01/2022 Analyzed: 04/05/2022

| | | | | | | | | | | |
|----------|----|------|-------|--|--|--|---|--|--|--|
| Arsenic | ND | 0.25 | mg/Kg | | | | - | | | |
| Zinc | ND | 2.5 | " | | | | - | | | |
| Silver | ND | 0.25 | " | | | | - | | | |
| Selenium | ND | 0.25 | " | | | | - | | | |
| Nickel | ND | 0.25 | " | | | | - | | | |
| Lead | ND | 0.25 | " | | | | - | | | |
| Copper | ND | 0.25 | " | | | | - | | | |
| Cadmium | ND | 0.25 | " | | | | - | | | |
| Barium | ND | 0.25 | " | | | | - | | | |

Origins Laboratory, Inc.



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
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: C022-029
 Project: Noble - Wardlaw 20-28

Total Metals by 7196A - Quality Control
Waypoint Analytical, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--------------------------|--------|----------------------|-------|-------------|--------------------------------|------|-------------|-----|-----------|-------|
| Batch L609418 - | | | | | | | | | | |
| DUP (L 86271-DUP) | | Source: 86271 | | | Prepared: Analyzed: 04/07/2022 | | | | | |
| Chromium, Hexavalent | ND | 1.22 | mg/Kg | | 86271 | | - | 0 | 20 | |
| MS (L 86271-MS) | | Source: 86271 | | | Prepared: Analyzed: 04/07/2022 | | | | | |
| Chromium, Hexavalent | 9.87 | 1.27 | mg/Kg | 8.33 | 86271 | 118 | 75-125 | | | |
| LCS (LCS) | | | | | Prepared: Analyzed: 04/07/2022 | | | | | |
| Chromium, Hexavalent | 7.52 | 0.244 | mg/Kg | 8 | | 94 | 75-125 | | | |
| LRB (LRB) | | | | | Prepared: Analyzed: 04/07/2022 | | | | | |
| Chromium, Hexavalent | ND | 0.5 | mg/Kg | | | | - | | | |

Origins Laboratory, Inc.



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Fremont Environmental
8305 6th St, PO Box 1289
Wellington CO 80549

Paul Henehan
Project Number: C022-029
Project: Noble - Wardlaw 20-28

Notes and Definitions

- U Sample is Non-Detect.
- S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- J Estimated Value. Analyte below reported quantitation limit.
- 0-9 The sample was reanalyzed outside EPA recommended hold time. Reanalysis confirms original result analyzed within EPA recommended hold time.
- * QC Failure
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- All soil results are reported on a wet weight basis.

Origins Laboratory, Inc.



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, Colorado 80403

303.277.9310

April 15, 2022

Paul Henchan
Fremont Environmental
PO Box 1289
Wellington, CO 80549

RE: Noble - Wardlaw 20-28, 16-28

Work Order #2204024

Enclosed are the results of analyses for samples received by Summit Scientific on 04/01/22 15:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Paul Shrewsbury
President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:19

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------|---------------|--------|----------------|----------------|
| MW-10 3ft | 2204024-01 | Soil | 03/31/22 00:00 | 04/01/22 15:00 |
| MW-10 6ft | 2204024-02 | Soil | 03/31/22 00:00 | 04/01/22 15:00 |
| MW-10 8ft | 2204024-03 | Soil | 03/31/22 00:00 | 04/01/22 15:00 |
| MW-10 20ft | 2204024-04 | Soil | 03/31/22 00:00 | 04/01/22 15:00 |
| SB-11 3ft | 2204024-05 | Soil | 03/31/22 00:00 | 04/01/22 15:00 |
| SB-11 6ft | 2204024-06 | Soil | 03/31/22 00:00 | 04/01/22 15:00 |
| SB-11 8ft | 2204024-07 | Soil | 03/31/22 00:00 | 04/01/22 15:00 |
| SB-11 20ft | 2204024-08 | Soil | 03/31/22 00:00 | 04/01/22 15:00 |
| SB-12 3ft | 2204024-09 | Soil | 03/31/22 00:00 | 04/01/22 15:00 |
| SB-12 6ft | 2204024-10 | Soil | 03/31/22 00:00 | 04/01/22 15:00 |
| SB-12 8ft | 2204024-11 | Soil | 03/31/22 00:00 | 04/01/22 15:00 |
| SB-12 16ft | 2204024-12 | Soil | 03/31/22 00:00 | 04/01/22 15:00 |
| SB-13 3ft | 2204024-13 | Soil | 03/31/22 00:00 | 04/01/22 15:00 |
| SB-13 6ft | 2204024-14 | Soil | 03/31/22 00:00 | 04/01/22 15:00 |
| SB-13 8ft | 2204024-15 | Soil | 03/31/22 00:00 | 04/01/22 15:00 |
| SB-13 16ft | 2204024-16 | Soil | 03/31/22 00:00 | 04/01/22 15:00 |

Summit Scientific

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

Summit Scientific

2204024.1

S₂

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310 ♦ 303-374-5933 (f)

Page 1 of 2

Client: Fremont Environmental Project Manager: Paul Henehan
 Address: P.O Box 1289 E-Mail: paulh@fremontenv.com, ethanb@fremontenv.com
 City/State/Zip: Wellington, CO 80549 Bill to: Jacob
 Phone: 303-956-8714 Project Name: Nobe - Wardlaw 20-28, 16-28
 Sampler Name: EB Project Number:

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | Analysis Requested | | | | | | | | Special Instructions | |
|----|--------------------|--------------|--------------|-----------------|--------------|------------------|------|-------|--------|------|--------------------|-------|--------------|------|------|---------|-----|----|----------------------|----|
| | | | | | HCl | HNO ₃ | None | Other | Water | Soil | Air-Canister # | Other | CBTEXN - 915 | THYS | THYS | DRO/ORO | SAR | EC | | pH |
| 1 | MW-10 3FT | 3/31/22 | | 3 | | | X | | | X | | | X | X | X | X | X | X | X | |
| 2 | MW-10 6FT | | | 2 | | | | | | | | | X | X | X | X | X | X | X | |
| 3 | MW-10 8FT | | | | | | | | | | | | X | X | X | X | X | X | X | |
| 4 | MW-10 20FT | | | | | | | | | | | | X | X | X | X | X | X | X | |
| 5 | SB-11 3FT | | | | | | | | | | | | X | X | X | X | X | X | X | |
| 6 | SB-11 6FT | | | | | | | | | | | | X | X | X | X | X | X | X | |
| 7 | SB-11 8FT | | | | | | | | | | | | X | X | X | X | X | X | X | |
| 8 | SB-11 20FT | | | | | | | | | | | | X | X | X | X | X | X | X | |
| 9 | SB-12 3FT | | | | | | | | | | | | X | X | X | X | X | X | X | |
| 10 | SB-12 6FT | | | | | | | | | | | | X | X | X | X | X | X | X | |

| | | | | | |
|---------------------------------------|--------------------------|---------------------------------|-------------------------------|---|--|
| Relinquished by: <u>Ethan Henehan</u> | Date/Time: <u>4/1/22</u> | Received by: <u>[Signature]</u> | Date/Time: <u>4/1/22 1500</u> | Turn Around Time (Check) | Notes: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Same Day <input type="checkbox"/> | 72 hours <input type="checkbox"/> |
| | | | | 24 hours <input type="checkbox"/> | Standard <input checked="" type="checkbox"/> |
| | | | | 48 hours <input type="checkbox"/> | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Sample Integrity: | |
| | | | | Temperature Upon Receipt: <u>4.3</u> | |
| | | | | Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No | |

Summit Scientific

2204024.2

S₂

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310 ♦ 303-374-5933 (f)

Page 2 of 2

Client: Fremont Environmental Project Manager: Paul Henehan
 Address: P.O Box 1289 E-Mail: paulh@fremontenv.com, ethanb@fremontenv.com
 City/State/Zip: Wellington, CO 80549 Bill to: Jacob
 Phone: 303-956-8714 Project Name: Noble-Wardlaw 20-28, 16-28
 Sampler Name: EB Project Number:

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | | | Analysis Requested | | | | | | | Special Instructions |
|----|--------------------|--------------|--------------|-----------------|--------------|------------------|------|-------|--------|------|----------------|-------|--------------------|------|-----|---------|-----|----|----|----------------------|
| | | | | | HCl | HNO ₃ | None | Other | Water | Soil | Air-Canister # | Other | CBTEXN - 915 | THOS | GRO | DRO/ORO | SAR | EC | pH | |
| 1 | SB-12 8FT | 3/3/22 | | 2 | | X | | | X | | | | X | X | X | | | | | |
| 2 | SB-12 16FT | | | | | | | | | | | | | | | | | | | |
| 3 | SB-13 3FT | | | | | | | | | | | | | | | | | | | |
| 4 | SB-13 6FT | | | | | | | | | | | | | | | | | | | |
| 5 | SB-13 8FT | | | | | | | | | | | | | | | | | | | |
| 6 | SB-13 16FT | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | |

| | | | | | |
|-------------------------------------|--------------------------|---------------------------------|---------------------------|---|--|
| Relinquished by: <u>Ethan Black</u> | Date/Time: <u>4/1/22</u> | Received by: <u>[Signature]</u> | Date/Time: <u>4:22:00</u> | Turn Around Time (Check) | Notes: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Same Day <input type="checkbox"/> | 72 hours <input type="checkbox"/> |
| | | | | 24 hours <input type="checkbox"/> | Standard <input checked="" type="checkbox"/> |
| | | | | 48 hours <input type="checkbox"/> | |
| | | | | Sample Integrity: | |
| | | | | Temperature Upon Receipt: <u>4.3</u> | |
| | | | | Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No | |



2/2
Sample Receipt Checklist

S2 Work Order# 2204024

Client: Fremont Client Project ID: Noble-Wardlaw 20-28, 16-28

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

Matrix (check all that apply): Air Soil/Solid Water Other: _____
(Describe)

| | |
|-----------|-----|
| Temp (°C) | 4.3 |
|-----------|-----|

Thermometer ID: 61857155-K

| | Yes | No | N/A | Comments (if any) |
|--|-----|----|-----|-------------------|
| If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun. | - | | | ON ICE |
| Were all samples received intact ⁽¹⁾ ? | - | | | |
| Was adequate sample volume provided ⁽¹⁾ ? | - | | | |
| If custody seals are present, are they intact ⁽¹⁾ ? | - | | | |
| Are samples with holding times due within 48 hours sample due within 48 hours present? | | - | | |
| Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ? | - | | | |
| Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ? | - | | | |
| Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ? | - | | | |
| Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ? | - | | | |
| For volatiles in water – is there headspace present? If yes, contact client and note in narrative. | | | - | |
| Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, etc. | | | - | |
| If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments. | | | - | |
| If dissolved metals are requested, were samples field filtered? | | | - | |

Additional Comments (if any):

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

Custodian Printed Name or Initials

4.1.22
Date/Time



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:19

MW-10 3ft
2204024-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BFD0041 | 04/04/22 | 04/07/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 146 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 105 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 106 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFD0042 | 04/04/22 | 04/05/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 83.3 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 04/15/22 09:19

MW-10 3ft
2204024-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BFD0046 | 04/04/22 | 04/05/22 | EPA 8270D SIM | |
| Anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Chrysene | ND | 0.00500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 56.3 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 41.0 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.115 | 0.0100 | mg/L | 1 | BFD0140 | 04/07/22 | 04/14/22 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **03/31/22 00:00**

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

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:19

MW-10 3ft
2204024-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 2.65 | 0.218 | mg/kg dry | 1 | BFD0069 | 04/04/22 | 04/09/22 | EPA 6020B | |
| Barium | 62.2 | 0.437 | " | " | " | " | " | " | |
| Cadmium | ND | 0.218 | " | " | " | " | " | " | |
| Copper | 4.30 | 0.437 | " | " | " | " | " | " | |
| Lead | 4.20 | 0.218 | " | " | " | " | " | " | |
| Nickel | 5.59 | 0.437 | " | " | " | " | " | " | |
| Selenium | 0.486 | 0.284 | " | " | " | " | " | " | |
| Silver | ND | 0.0218 | " | " | " | " | " | " | |
| Zinc | 20.3 | 0.437 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BFD0230 | 04/12/22 | 04/12/22 | EPA 7196A | |

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

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 32.7 | 0.0546 | mg/L dry | 1 | BFD0202 | 04/11/22 | 04/13/22 | EPA 6020B | |
| Magnesium | 11.6 | 0.0546 | " | " | " | " | " | " | |
| Sodium | 13.2 | 0.0546 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.505 | 0.00100 | units | 1 | BFD0273 | 04/13/22 | 04/13/22 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 04/15/22 09:19

MW-10 3ft
2204024-01 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 91.6 | | % | 1 | BFD0163 | 04/08/22 | 04/11/22 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.470 | 0.0100 | mmhos/cm | 1 | BFD0229 | 04/12/22 | 04/12/22 | EPA 120.1 | |

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

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.09 | | pH Units | 1 | BFD0228 | 04/12/22 | 04/12/22 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:19

MW-10 6ft
2204024-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BFD0041 | 04/04/22 | 04/07/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 140 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 105 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 104 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFD0042 | 04/04/22 | 04/05/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 80.1 % | 30-150 | | " | " | " | " | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:19

MW-10 8ft
2204024-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BFD0041 | 04/04/22 | 04/07/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 140 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 102 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 104 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFD0042 | 04/04/22 | 04/05/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 81.8 % | 30-150 | | " | " | " | " | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:19

MW-10 20ft
2204024-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BFD0041 | 04/04/22 | 04/07/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 144 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 102 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 102 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFD0042 | 04/04/22 | 04/05/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 76.2 % | 30-150 | | " | " | " | " | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:19

SB-11 3ft
2204024-05 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BFD0041 | 04/04/22 | 04/07/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 141 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 104 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 106 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFD0042 | 04/04/22 | 04/05/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 85.1 % | 30-150 | | " | " | " | " | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:19

SB-11 6ft
2204024-06 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BFD0041 | 04/04/22 | 04/07/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 135 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 102 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 107 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFD0042 | 04/04/22 | 04/05/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 95.1 % | 30-150 | | " | " | " | " | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:19

SB-11 8ft
2204024-07 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BFD0041 | 04/04/22 | 04/07/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 130 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 101 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 102 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFD0042 | 04/04/22 | 04/05/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 103 % | 30-150 | | " | " | " | " | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:19

SB-11 20ft
2204024-08 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BFD0041 | 04/04/22 | 04/07/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 131 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 104 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 103 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFD0042 | 04/04/22 | 04/05/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 105 % | 30-150 | | " | " | " | " | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:19

SB-12 3ft
2204024-09 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BFD0041 | 04/04/22 | 04/07/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 136 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 100 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 105 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFD0042 | 04/04/22 | 04/05/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 81.9 % | 30-150 | | " | " | " | " | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:19

SB-12 6ft
2204024-10 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BFD0041 | 04/04/22 | 04/07/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 143 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 100 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 104 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFD0042 | 04/04/22 | 04/05/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 86.7 % | 30-150 | | " | " | " | " | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:19

SB-12 8ft
2204024-11 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BFD0041 | 04/04/22 | 04/07/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 140 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 103 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 106 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFD0042 | 04/04/22 | 04/05/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 82.1 % | 30-150 | | " | " | " | " | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:19

SB-12 16ft
2204024-12 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BFD0041 | 04/04/22 | 04/07/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 146 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 104 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 104 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFD0042 | 04/04/22 | 04/05/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 86.1 % | 30-150 | | " | " | " | " | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:19

SB-13 3ft
2204024-13 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BFD0041 | 04/04/22 | 04/07/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | Units | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 144 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 105 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 106 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFD0042 | 04/04/22 | 04/05/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | Units | | | | | | |
| Surrogate: o-Terphenyl | | 79.3 % | 30-150 | | " | " | " | " | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:19

SB-13 6ft
2204024-14 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BFD0041 | 04/04/22 | 04/07/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 139 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 102 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 106 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFD0042 | 04/04/22 | 04/05/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 79.9 % | 30-150 | | " | " | " | " | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:19

SB-13 8ft
2204024-15 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BFD0041 | 04/04/22 | 04/07/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 136 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 103 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 106 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFD0042 | 04/04/22 | 04/06/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 98.8 % | 30-150 | | " | " | " | " | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:19

SB-13 16ft
2204024-16 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BFD0041 | 04/04/22 | 04/07/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 137 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 107 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 105 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFD0042 | 04/04/22 | 04/06/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 97.9 % | 30-150 | | " | " | " | " | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:19

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BFD0041 - EPA 5030 Soil MS

Blank (BFD0041-BLK1)

Prepared: 04/04/22 Analyzed: 04/07/22

| | | | | | | | | | | | |
|---|--------|--------|-------|--------|--|-----|--------|--|--|--|--|
| Benzene | ND | 0.0020 | mg/kg | | | | | | | | |
| Toluene | ND | 0.0050 | " | | | | | | | | |
| Ethylbenzene | ND | 0.0050 | " | | | | | | | | |
| Xylenes (total) | ND | 0.010 | " | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | | | | | | | | |
| Naphthalene | ND | 0.0038 | " | | | | | | | | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | | | | | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 0.0584 | | " | 0.0400 | | 146 | 50-150 | | | | |
| <i>Surrogate: Toluene-d8</i> | 0.0414 | | " | 0.0400 | | 104 | 50-150 | | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 0.0412 | | " | 0.0400 | | 103 | 50-150 | | | | |

LCS (BFD0041-BS1)

Prepared: 04/04/22 Analyzed: 04/07/22

| | | | | | | | | | | | |
|---|--------|--------|-------|--------|--|------|--------|--|--|--|--|
| Benzene | 0.0957 | 0.0020 | mg/kg | 0.100 | | 95.7 | 70-130 | | | | |
| Toluene | 0.103 | 0.0050 | " | 0.100 | | 103 | 70-130 | | | | |
| Ethylbenzene | 0.0885 | 0.0050 | " | 0.100 | | 88.5 | 70-130 | | | | |
| m,p-Xylene | 0.184 | 0.010 | " | 0.200 | | 92.0 | 70-130 | | | | |
| o-Xylene | 0.0954 | 0.0050 | " | 0.100 | | 95.4 | 70-130 | | | | |
| 1,2,4-Trimethylbenzene | 0.101 | 0.0050 | " | 0.100 | | 101 | 70-130 | | | | |
| 1,3,5-Trimethylbenzene | 0.0956 | 0.0050 | " | 0.100 | | 95.6 | 70-130 | | | | |
| Naphthalene | 0.105 | 0.0038 | " | 0.100 | | 105 | 70-130 | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 0.0567 | | " | 0.0400 | | 142 | 50-150 | | | | |
| <i>Surrogate: Toluene-d8</i> | 0.0415 | | " | 0.0400 | | 104 | 50-150 | | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 0.0436 | | " | 0.0400 | | 109 | 50-150 | | | | |

Matrix Spike (BFD0041-MS1)

Source: 2204021-01

Prepared: 04/04/22 Analyzed: 04/07/22

| | | | | | | | | | | | |
|---|--------|--------|-------|--------|----|------|--------|--|--|--|--|
| Benzene | 0.0860 | 0.0020 | mg/kg | 0.100 | ND | 86.0 | 70-130 | | | | |
| Toluene | 0.0935 | 0.0050 | " | 0.100 | ND | 93.5 | 70-130 | | | | |
| Ethylbenzene | 0.0789 | 0.0050 | " | 0.100 | ND | 78.9 | 70-130 | | | | |
| m,p-Xylene | 0.167 | 0.010 | " | 0.200 | ND | 83.3 | 70-130 | | | | |
| o-Xylene | 0.0854 | 0.0050 | " | 0.100 | ND | 85.4 | 70-130 | | | | |
| 1,2,4-Trimethylbenzene | 0.0950 | 0.0050 | " | 0.100 | ND | 95.0 | 70-130 | | | | |
| 1,3,5-Trimethylbenzene | 0.0887 | 0.0050 | " | 0.100 | ND | 88.7 | 70-130 | | | | |
| Naphthalene | 0.111 | 0.0038 | " | 0.100 | ND | 111 | 70-130 | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 0.0556 | | " | 0.0400 | | 139 | 50-150 | | | | |
| <i>Surrogate: Toluene-d8</i> | 0.0411 | | " | 0.0400 | | 103 | 50-150 | | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 0.0441 | | " | 0.0400 | | 110 | 50-150 | | | | |

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 04/15/22 09:19

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 BFD0041 - EPA 5030 Soil MS

| Matrix Spike Dup (BFD0041-MSD1) | Source: 2204021-01 | | | Prepared: 04/04/22 Analyzed: 04/07/22 | | | | | | |
|---|---------------------------|--------|----------|--|----|------------|---------------|------|----|--|
| Benzene | 0.0912 | 0.0020 | mg/kg | 0.100 | ND | 91.2 | 70-130 | 5.82 | 30 | |
| Toluene | 0.104 | 0.0050 | " | 0.100 | ND | 104 | 70-130 | 10.5 | 30 | |
| Ethylbenzene | 0.0935 | 0.0050 | " | 0.100 | ND | 93.5 | 70-130 | 17.0 | 30 | |
| m,p-Xylene | 0.195 | 0.010 | " | 0.200 | ND | 97.4 | 70-130 | 15.5 | 30 | |
| o-Xylene | 0.101 | 0.0050 | " | 0.100 | ND | 101 | 70-130 | 17.0 | 30 | |
| 1,2,4-Trimethylbenzene | 0.110 | 0.0050 | " | 0.100 | ND | 110 | 70-130 | 14.5 | 30 | |
| 1,3,5-Trimethylbenzene | 0.104 | 0.0050 | " | 0.100 | ND | 104 | 70-130 | 15.6 | 30 | |
| Naphthalene | 0.126 | 0.0038 | " | 0.100 | ND | 126 | 70-130 | 12.7 | 30 | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0553</i> | | <i>"</i> | <i>0.0400</i> | | <i>138</i> | <i>50-150</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.0413</i> | | <i>"</i> | <i>0.0400</i> | | <i>103</i> | <i>50-150</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.0442</i> | | <i>"</i> | <i>0.0400</i> | | <i>111</i> | <i>50-150</i> | | | |

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 04/15/22 09:19

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 BFD0042 - EPA 3550A

Blank (BFD0042-BLK1)

Prepared & Analyzed: 04/04/22

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

LCS (BFD0042-BS1)

Prepared & Analyzed: 04/04/22

| | | | | | | | | | | |
|---------------|-----|----|-------|-----|------|--------|--|--|--|--|
| C10-C28 (DRO) | 448 | 50 | mg/kg | 500 | 89.7 | 70-130 | | | | |
|---------------|-----|----|-------|-----|------|--------|--|--|--|--|

Matrix Spike (BFD0042-MS1)

Source: 2204021-01

Prepared & Analyzed: 04/04/22

| | | | | | | | | | | |
|---------------|-----|----|-------|-----|-----|------|--------|--|--|--|
| C10-C28 (DRO) | 990 | 50 | mg/kg | 500 | 494 | 99.3 | 70-130 | | | |
|---------------|-----|----|-------|-----|-----|------|--------|--|--|--|

Matrix Spike Dup (BFD0042-MSD1)

Source: 2204021-01

Prepared: 04/04/22 Analyzed: 04/05/22

| | | | | | | | | | | |
|---------------|-----|----|-------|-----|-----|------|--------|------|----|--|
| C10-C28 (DRO) | 932 | 50 | mg/kg | 500 | 494 | 87.5 | 70-130 | 6.12 | 20 | |
|---------------|-----|----|-------|-----|-----|------|--------|------|----|--|

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:19

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 BFD0046 - EPA 5030 Soil MS

Blank (BFD0046-BLK1)

Prepared & Analyzed: 04/04/22

| | | | | | | | | | | |
|---|---------------|---------|-------|---------------|--|-------------|---------------|--|--|--|
| Acenaphthene | ND | 0.00500 | mg/kg | | | | | | | |
| Anthracene | ND | 0.00500 | " | | | | | | | |
| Benzo (a) anthracene | ND | 0.00500 | " | | | | | | | |
| Benzo (a) pyrene | ND | 0.00500 | " | | | | | | | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | | | | | | | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | | | | | | | |
| Chrysene | ND | 0.00500 | " | | | | | | | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | | | | | | | |
| Fluoranthene | ND | 0.00500 | " | | | | | | | |
| Fluorene | ND | 0.00500 | " | | | | | | | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | | | | | | | |
| Pyrene | ND | 0.00500 | " | | | | | | | |
| 1-Methylnaphthalene | ND | 0.00500 | " | | | | | | | |
| 2-Methylnaphthalene | ND | 0.00500 | " | | | | | | | |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0178</i> | | " | <i>0.0333</i> | | <i>53.5</i> | <i>40-150</i> | | | |
| <i>Surrogate: Fluoranthene-d10</i> | <i>0.0161</i> | | " | <i>0.0333</i> | | <i>48.3</i> | <i>40-150</i> | | | |

LCS (BFD0046-BS1)

Prepared: 04/04/22 Analyzed: 04/05/22

| | | | | | | | | | | |
|---|---------------|---------|-------|---------------|--|-------------|---------------|--|--|--|
| Acenaphthene | 0.0202 | 0.00500 | mg/kg | 0.0333 | | 60.5 | 31-137 | | | |
| Anthracene | 0.0198 | 0.00500 | " | 0.0333 | | 59.5 | 30-120 | | | |
| Benzo (a) anthracene | 0.0208 | 0.00500 | " | 0.0333 | | 62.5 | 30-120 | | | |
| Benzo (a) pyrene | 0.0188 | 0.00500 | " | 0.0333 | | 56.4 | 30-120 | | | |
| Benzo (b) fluoranthene | 0.0197 | 0.00500 | " | 0.0333 | | 59.2 | 30-120 | | | |
| Benzo (k) fluoranthene | 0.0202 | 0.00500 | " | 0.0333 | | 60.5 | 30-120 | | | |
| Chrysene | 0.0193 | 0.00500 | " | 0.0333 | | 57.9 | 30-120 | | | |
| Dibenz (a,h) anthracene | 0.0202 | 0.00500 | " | 0.0333 | | 60.6 | 30-120 | | | |
| Fluoranthene | 0.0204 | 0.00500 | " | 0.0333 | | 61.2 | 30-120 | | | |
| Fluorene | 0.0177 | 0.00500 | " | 0.0333 | | 53.1 | 30-120 | | | |
| Indeno (1,2,3-cd) pyrene | 0.0295 | 0.00500 | " | 0.0333 | | 88.4 | 30-120 | | | |
| Pyrene | 0.0212 | 0.00500 | " | 0.0333 | | 63.6 | 35-142 | | | |
| 1-Methylnaphthalene | 0.0211 | 0.00500 | " | 0.0333 | | 63.2 | 35-142 | | | |
| 2-Methylnaphthalene | 0.0188 | 0.00500 | " | 0.0333 | | 56.4 | 35-142 | | | |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0194</i> | | " | <i>0.0333</i> | | <i>58.2</i> | <i>40-150</i> | | | |
| <i>Surrogate: Fluoranthene-d10</i> | <i>0.0201</i> | | " | <i>0.0333</i> | | <i>60.4</i> | <i>40-150</i> | | | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:19

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 BFD0046 - EPA 5030 Soil MS

| Matrix Spike (BFD0046-MS1) | Source: 2204021-01 | | | Prepared: 04/04/22 Analyzed: 04/05/22 | | | | | | | |
|---|---------------------------|---------|----------|---------------------------------------|---------|-------------|---------------|--|--|--|------|
| Acenaphthene | 0.0541 | 0.00500 | mg/kg | 0.0333 | ND | 162 | 31-137 | | | | S-02 |
| Anthracene | 0.0236 | 0.00500 | " | 0.0333 | ND | 70.7 | 30-120 | | | | |
| Benzo (a) anthracene | 0.0235 | 0.00500 | " | 0.0333 | ND | 70.4 | 30-120 | | | | |
| Benzo (a) pyrene | 0.0549 | 0.00500 | " | 0.0333 | 0.0645 | NR | 30-120 | | | | S-02 |
| Benzo (b) fluoranthene | 0.0352 | 0.00500 | " | 0.0333 | ND | 106 | 30-120 | | | | |
| Benzo (k) fluoranthene | 0.0247 | 0.00500 | " | 0.0333 | ND | 74.1 | 30-120 | | | | |
| Chrysene | 0.0518 | 0.00500 | " | 0.0333 | 0.0488 | 9.27 | 30-120 | | | | S-02 |
| Dibenz (a,h) anthracene | 0.0346 | 0.00500 | " | 0.0333 | ND | 104 | 30-120 | | | | |
| Fluoranthene | 0.0166 | 0.00500 | " | 0.0333 | ND | 49.7 | 30-120 | | | | |
| Fluorene | 0.0444 | 0.00500 | " | 0.0333 | ND | 133 | 30-120 | | | | S-02 |
| Indeno (1,2,3-cd) pyrene | 0.0394 | 0.00500 | " | 0.0333 | ND | 118 | 30-120 | | | | |
| Pyrene | 0.0390 | 0.00500 | " | 0.0333 | 0.00703 | 95.9 | 35-142 | | | | |
| 1-Methylnaphthalene | 0.0265 | 0.00500 | " | 0.0333 | ND | 79.6 | 15-130 | | | | |
| 2-Methylnaphthalene | 0.0222 | 0.00500 | " | 0.0333 | ND | 66.6 | 15-130 | | | | |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0222</i> | | <i>"</i> | <i>0.0333</i> | | <i>66.7</i> | <i>40-150</i> | | | | |
| <i>Surrogate: Fluoranthene-d10</i> | <i>0.0174</i> | | <i>"</i> | <i>0.0333</i> | | <i>52.2</i> | <i>40-150</i> | | | | |

| Matrix Spike Dup (BFD0046-MSD1) | Source: 2204021-01 | | | Prepared: 04/04/22 Analyzed: 04/05/22 | | | | | | | |
|---|---------------------------|---------|----------|---------------------------------------|---------|-------------|---------------|------|----|--|------|
| Acenaphthene | 0.0174 | 0.00500 | mg/kg | 0.0333 | ND | 52.1 | 31-137 | 103 | 30 | | S-02 |
| Anthracene | 0.0246 | 0.00500 | " | 0.0333 | ND | 73.9 | 30-120 | 4.34 | 30 | | |
| Benzo (a) anthracene | 0.0270 | 0.00500 | " | 0.0333 | ND | 81.1 | 30-120 | 14.1 | 30 | | |
| Benzo (a) pyrene | 0.0735 | 0.00500 | " | 0.0333 | 0.0645 | 26.9 | 30-120 | 28.9 | 30 | | S-02 |
| Benzo (b) fluoranthene | 0.0339 | 0.00500 | " | 0.0333 | ND | 102 | 30-120 | 3.96 | 30 | | |
| Benzo (k) fluoranthene | 0.0175 | 0.00500 | " | 0.0333 | ND | 52.5 | 30-120 | 34.1 | 30 | | S-02 |
| Chrysene | 0.0814 | 0.00500 | " | 0.0333 | 0.0488 | 98.0 | 30-120 | 44.4 | 30 | | S-02 |
| Dibenz (a,h) anthracene | 0.0331 | 0.00500 | " | 0.0333 | ND | 99.4 | 30-120 | 4.19 | 30 | | |
| Fluoranthene | 0.0183 | 0.00500 | " | 0.0333 | ND | 54.8 | 30-120 | 9.86 | 30 | | |
| Fluorene | 0.00687 | 0.00500 | " | 0.0333 | ND | 20.6 | 30-120 | 146 | 30 | | S-02 |
| Indeno (1,2,3-cd) pyrene | 0.0604 | 0.00500 | " | 0.0333 | ND | 181 | 30-120 | 42.2 | 30 | | S-02 |
| Pyrene | 0.0453 | 0.00500 | " | 0.0333 | 0.00703 | 115 | 35-142 | 15.1 | 30 | | |
| 1-Methylnaphthalene | 0.0252 | 0.00500 | " | 0.0333 | ND | 75.6 | 15-130 | 5.08 | 50 | | |
| 2-Methylnaphthalene | 0.0247 | 0.00500 | " | 0.0333 | ND | 74.1 | 15-130 | 10.7 | 50 | | |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0243</i> | | <i>"</i> | <i>0.0333</i> | | <i>72.9</i> | <i>40-150</i> | | | | |
| <i>Surrogate: Fluoranthene-d10</i> | <i>0.0171</i> | | <i>"</i> | <i>0.0333</i> | | <i>51.4</i> | <i>40-150</i> | | | | |

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 04/15/22 09:19

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 BFD0140 - EPA 3050B

Blank (BFD0140-BLK1)

Prepared: 04/07/22 Analyzed: 04/14/22

Boron ND 0.0100 mg/L

LCS (BFD0140-BS1)

Prepared: 04/07/22 Analyzed: 04/14/22

Boron 5.09 0.0100 mg/L 5.00 102 80-120

Duplicate (BFD0140-DUP1)

Source: 2204024-01

Prepared: 04/07/22 Analyzed: 04/14/22

Boron 0.106 0.0100 mg/L 0.115 7.93 20

Matrix Spike (BFD0140-MS1)

Source: 2204024-01

Prepared: 04/07/22 Analyzed: 04/14/22

Boron 5.50 0.0100 mg/L 5.00 0.115 108 75-125

Matrix Spike Dup (BFD0140-MSD1)

Source: 2204024-01

Prepared: 04/07/22 Analyzed: 04/14/22

Boron 5.38 0.0100 mg/L 5.00 0.115 105 75-125 2.23 25

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 04/15/22 09:19

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 BFD0069 - EPA 3050B

Blank (BFD0069-BLK1)

Prepared: 04/04/22 Analyzed: 04/09/22

| | | | | | | | | | |
|----------|----|--------|-----------|--|--|--|--|--|--|
| 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 | " | | | | | | |
| Selenium | ND | 0.260 | " | | | | | | |
| Silver | ND | 0.0200 | " | | | | | | |
| Zinc | ND | 0.400 | " | | | | | | |

LCS (BFD0069-BS1)

Prepared: 04/04/22 Analyzed: 04/09/22

| | | | | | | |
|----------|------|--------|-----------|------|------|--------|
| Arsenic | 38.2 | 0.200 | mg/kg wet | 40.0 | 95.5 | 80-120 |
| Barium | 35.3 | 0.400 | " | 40.0 | 88.4 | 80-120 |
| Cadmium | 1.72 | 0.200 | " | 2.00 | 85.8 | 80-120 |
| Copper | 37.7 | 0.400 | " | 40.0 | 94.2 | 80-120 |
| Lead | 17.1 | 0.200 | " | 20.0 | 85.3 | 80-120 |
| Nickel | 35.7 | 0.400 | " | 40.0 | 89.2 | 80-120 |
| Selenium | 3.52 | 0.260 | " | 4.00 | 87.9 | 80-120 |
| Silver | 1.66 | 0.0200 | " | 2.00 | 83.0 | 80-120 |
| Zinc | 40.0 | 0.400 | " | 40.0 | 100 | 80-120 |

Duplicate (BFD0069-DUP1)

Source: 2203186-01

Prepared: 04/04/22 Analyzed: 04/09/22

| | | | | | | |
|----------|--------|--------|-----------|--------|-------|----|
| Arsenic | 0.576 | 0.207 | mg/kg dry | 0.503 | 13.6 | 20 |
| Barium | 26.7 | 0.413 | " | 22.9 | 15.5 | 20 |
| Cadmium | 0.0299 | 0.207 | " | 0.0322 | 7.65 | 20 |
| Copper | 2.24 | 0.413 | " | 2.44 | 8.73 | 20 |
| Lead | 3.44 | 0.207 | " | 3.42 | 0.476 | 20 |
| Nickel | 2.09 | 0.413 | " | 2.23 | 6.17 | 20 |
| Selenium | 0.489 | 0.269 | " | 0.500 | 2.26 | 20 |
| Silver | 0.0183 | 0.0207 | " | 0.0200 | 8.55 | 20 |
| Zinc | 15.0 | 0.413 | " | 15.2 | 1.23 | 20 |

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 04/15/22 09:19

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 BFD0069 - EPA 3050B

Matrix Spike (BFD0069-MS1)

Source: 2203186-01

Prepared: 04/04/22 Analyzed: 04/09/22

| | | | | | | | | | |
|----------|------|--------|-----------|------|--------|------|--------|--|--|
| Arsenic | 40.6 | 0.207 | mg/kg dry | 41.3 | 0.503 | 97.1 | 75-125 | | |
| Barium | 61.6 | 0.413 | " | 41.3 | 22.9 | 93.6 | 75-125 | | |
| Cadmium | 1.88 | 0.207 | " | 2.07 | 0.0322 | 89.2 | 75-125 | | |
| Copper | 40.8 | 0.413 | " | 41.3 | 2.44 | 92.7 | 75-125 | | |
| Lead | 20.4 | 0.207 | " | 20.7 | 3.42 | 82.1 | 75-125 | | |
| Nickel | 39.8 | 0.413 | " | 41.3 | 2.23 | 91.0 | 75-125 | | |
| Selenium | 4.05 | 0.269 | " | 4.13 | 0.500 | 85.9 | 75-125 | | |
| Silver | 1.76 | 0.0207 | " | 2.07 | 0.0200 | 84.3 | 75-125 | | |
| Zinc | 59.6 | 0.413 | " | 41.3 | 15.2 | 107 | 75-125 | | |

Matrix Spike Dup (BFD0069-MSD1)

Source: 2203186-01

Prepared: 04/04/22 Analyzed: 04/09/22

| | | | | | | | | | |
|----------|------|--------|-----------|------|--------|------|--------|------|----|
| Arsenic | 39.6 | 0.207 | mg/kg dry | 41.3 | 0.503 | 94.5 | 75-125 | 2.66 | 25 |
| Barium | 55.5 | 0.413 | " | 41.3 | 22.9 | 78.8 | 75-125 | 10.4 | 25 |
| Cadmium | 1.81 | 0.207 | " | 2.07 | 0.0322 | 86.1 | 75-125 | 3.48 | 25 |
| Copper | 39.3 | 0.413 | " | 41.3 | 2.44 | 89.2 | 75-125 | 3.65 | 25 |
| Lead | 19.4 | 0.207 | " | 20.7 | 3.42 | 77.5 | 75-125 | 4.77 | 25 |
| Nickel | 38.1 | 0.413 | " | 41.3 | 2.23 | 86.7 | 75-125 | 4.50 | 25 |
| Selenium | 3.82 | 0.269 | " | 4.13 | 0.500 | 80.3 | 75-125 | 5.90 | 25 |
| Silver | 1.69 | 0.0207 | " | 2.07 | 0.0200 | 80.9 | 75-125 | 4.05 | 25 |
| Zinc | 55.2 | 0.413 | " | 41.3 | 15.2 | 96.7 | 75-125 | 7.77 | 25 |

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 04/15/22 09:19

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 BFD0230 - 3060A Mod

Blank (BFD0230-BLK1)

Prepared & Analyzed: 04/12/22

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BFD0230-BS1)

Prepared & Analyzed: 04/12/22

Chromium, Hexavalent 29.8 0.30 mg/kg wet 25.0 119 80-120

Duplicate (BFD0230-DUP1)

Source: 2203549-01

Prepared & Analyzed: 04/12/22

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BFD0230-MS1)

Source: 2203549-01

Prepared & Analyzed: 04/12/22

Chromium, Hexavalent 28.4 0.30 mg/kg dry 26.7 ND 106 75-125

Matrix Spike Dup (BFD0230-MSD1)

Source: 2203549-01

Prepared & Analyzed: 04/12/22

Chromium, Hexavalent 28.1 0.30 mg/kg dry 26.7 ND 105 75-125 1.13 20

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 04/15/22 09:19

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 BFD0202 - General Preparation

Blank (BFD0202-BLK1)

Prepared: 04/11/22 Analyzed: 04/13/22

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

LCS (BFD0202-BS1)

Prepared: 04/11/22 Analyzed: 04/13/22

| | | | | | | | | | | |
|-----------|------|--------|----------|------|--|------|--------|--|--|--|
| Calcium | 5.43 | 0.0500 | mg/L wet | 5.00 | | 109 | 70-130 | | | |
| Magnesium | 5.68 | 0.0500 | " | 5.00 | | 114 | 70-130 | | | |
| Sodium | 4.74 | 0.0500 | " | 5.00 | | 94.8 | 70-130 | | | |

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 04/15/22 09:19

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

Summit Scientific

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

Batch BFD0163 - General Preparation

| Duplicate (BFD0163-DUP1) | Source: 2203550-05 | | Prepared: 04/08/22 Analyzed: 04/11/22 | | |
|--------------------------|--------------------|---|---------------------------------------|-------|----|
| % Solids | 97.5 | % | 98.0 | 0.542 | 20 |

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 04/15/22 09:19

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 BFD0229 - General Preparation

Blank (BFD0229-BLK1)

Prepared & Analyzed: 04/12/22

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BFD0229-BS1)

Prepared & Analyzed: 04/12/22

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

Duplicate (BFD0229-DUP1)

Source: 2203553-01

Prepared & Analyzed: 04/12/22

Specific Conductance (EC) 0.832 0.0100 mmhos/cm 0.843 1.35 20

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 04/15/22 09:19

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 BFD0228 - General Preparation

LCS (BFD0228-BS1)

Prepared & Analyzed: 04/12/22

pH 9.07 pH Units 9.18 98.8 95-105

Duplicate (BFD0228-DUP1)

Source: 2203553-01

Prepared & Analyzed: 04/12/22

pH 7.84 pH Units 7.65 2.45 20

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:19

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.
- 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

April 15, 2022

Paul Henchan
Fremont Environmental
PO Box 1289
Wellington, CO 80549

RE: Noble - Wardlaw 20-28, 16-28

Work Order #2204042

Enclosed are the results of analyses for samples received by Summit Scientific on 04/04/22 16:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Paul Shrewsbury
President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:33

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| MW-2 | 2204042-01 | Water | 03/31/22 00:00 | 04/04/22 16:00 |
| MW-3 | 2204042-02 | Water | 03/31/22 00:00 | 04/04/22 16:00 |
| MW-4 | 2204042-03 | Water | 03/31/22 00:00 | 04/04/22 16:00 |
| MW-5 | 2204042-04 | Water | 03/31/22 00:00 | 04/04/22 16:00 |
| MW-6 | 2204042-05 | Water | 03/31/22 00:00 | 04/04/22 16:00 |
| MW-7 | 2204042-06 | Water | 03/31/22 00:00 | 04/04/22 16:00 |
| MW-8 | 2204042-07 | Water | 03/31/22 00:00 | 04/04/22 16:00 |
| MW-9 | 2204042-08 | Water | 03/31/22 00:00 | 04/04/22 16:00 |
| MW-10 | 2204042-09 | Water | 03/31/22 00:00 | 04/04/22 16:00 |

Summit Scientific

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

2204042

Summit Scientific

S₂

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310 ♦ 303-374-5933 (f)

Page 1 of 1

| | |
|--------------------------------------|---|
| Client: Fremont Environmental | Project Manager: Paul Henehan |
| Address: P.O Box 1289 | E-Mail: paulh@fremontenv.com, ethanh@fremontenv.com |
| City/State/Zip: Wellington, CO 80549 | Bill to: Noble - Jacob |
| Phone: 303-956-8714 | Project Name: Noble - Hardlaw 20-28, 16-28 |
| Sampler Name: EB | Project Number: |

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | | | Analysis Requested | | | | | | Special Instructions |
|----|--------------------|--------------|--------------|-----------------|--------------|------------------|------|-------|--------|------|----------------|-------|--------------------|-------------|-----------|-----------------------|-------------------------------------|----|----------------------|
| | | | | | HCl | HNO ₃ | None | Other | Water | Soil | Air-Canister # | Other | BTEX, TMBS | Naphthalene | Other TDS | Other Cl ⁻ | Other SO ₄ ²⁻ | EC | |
| 1 | MW-2 | 3/31/22 | | 4 | | | X | | X | | | | X | X | X | X | X | | |
| 2 | MW-3 | | | | | | | | | | | | | | | | | | |
| 3 | MW-4 | | | | | | | | | | | | | | | | | | |
| 4 | MW-5 | | | | | | | | | | | | | | | | | | |
| 5 | MW-6 | | | | | | | | | | | | | | | | | | |
| 6 | MW-7 | | | | | | | | | | | | | | | | | | |
| 7 | MW-8 | | | | | | | | | | | | | | | | | | |
| 8 | MW-9 | | | | | | | | | | | | | | | | | | |
| 9 | MW-10 | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |

| | | | | | |
|-------------------------------------|--------------------------|--------------|------------|--|-------------------|
| Relinquished by: <u>Ethan Black</u> | Date/Time: <u>4/1/22</u> | Received by: | Date/Time: | Turn Around Time (Check) | Notes: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Same Day <input type="checkbox"/> 72 hours | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | 24 hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | 48 hours <input type="checkbox"/> | Sample Integrity: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Temperature Upon Receipt: <u>5-1</u> | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No | |

[Signature]
4-1-22 1600
www.s2scientific.com

S₂

2204042

Sample Receipt Checklist

S2 Work Order# _____

Client: Fremont Client Project ID: Noble-Wardlow 20-28, 16-28

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

| | | | | |
|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|

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

Temp (°C) 5.1 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"/> | |
| 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"/> | |
| 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 checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe ²⁺), Hexavalent Chromium (Cr ⁶⁺ , Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 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"/> | |
| Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| For volatiles in water – is there headspace present? If yes, contact client and note in narrative. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc. | <input 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.

[Signature]
Custodian Printed Name

[Signature]
Date/Time 4-1-22 1600



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:33

MW-2
2204042-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 410 | 10 | ug/l | 10 | BFD0152 | 04/08/22 | 04/09/22 | EPA 8260B | |
| Toluene | 8.7 | 1.0 | " | 1 | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | 280 | 20 | " | 10 | " | " | 04/11/22 | " | |
| Naphthalene | 3.8 | 1.0 | " | 1 | " | " | 04/09/22 | " | |
| 1,2,4-Trimethylbenzene | 37 | 1.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | 130 | 1.0 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 110 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 94.1 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 109 % | 21-167 | | " | " | " | " | |

Anions by EPA Method 300.0

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|-------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Chloride | 25.8 | 12.0 | mg/L | 200 | BFD0125 | 04/06/22 | 04/06/22 | EPA 300.0 | |
| Sulfate | 280 | 60.0 | " | " | " | " | " | " | |

Total Dissolved Solids by SM2540C

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|------------|-----------------|-------|----------|---------|----------|----------|---------|-------|
| Total Dissolved Solids | 812 | 10.0 | mg/L | 1 | BFD0156 | 04/06/22 | 04/08/22 | SM2540C | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:33

MW-3
2204042-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|-------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 2.4 | 1.0 | ug/l | 1 | BFD0152 | 04/08/22 | 04/09/22 | EPA 8260B | |
| Toluene | ND | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | 56 | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | 5400 | 20 | " | 10 | " | " | " | " | |
| Naphthalene | 13 | 1.0 | " | 1 | " | " | " | " | |
| 1,2,4-Trimethylbenzene | 640 | 10 | " | 10 | " | " | " | " | |
| 1,3,5-Trimethylbenzene | 310 | 10 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 125 % | 23-173 | | " | " | " | " | |
| <i>Surrogate: Toluene-d8</i> | | 95.1 % | 20-170 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 106 % | 21-167 | | " | " | " | " | |

Anions by EPA Method 300.0

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|-------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Chloride | 20.2 | 12.0 | mg/L | 200 | BFD0125 | 04/06/22 | 04/06/22 | EPA 300.0 | |
| Sulfate | 286 | 60.0 | " | " | " | " | " | " | |

Total Dissolved Solids by SM2540C

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|------------|-----------------|-------|----------|---------|----------|----------|---------|-------|
| Total Dissolved Solids | 748 | 10.0 | mg/L | 1 | BFD0156 | 04/06/22 | 04/08/22 | SM2540C | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:33

MW-4
2204042-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 1.0 | ug/l | 1 | BFD0152 | 04/08/22 | 04/09/22 | EPA 8260B | |
| Toluene | ND | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | 230 | 2.0 | " | " | " | " | " | " | |
| Naphthalene | ND | 1.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | 25 | 1.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | 120 | 1.0 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 108 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 93.2 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 108 % | 21-167 | | " | " | " | " | |

Anions by EPA Method 300.0

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|-------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Chloride | 25.6 | 12.0 | mg/L | 200 | BFD0125 | 04/06/22 | 04/06/22 | EPA 300.0 | |
| Sulfate | 304 | 60.0 | " | " | " | " | " | " | |

Total Dissolved Solids by SM2540C

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|------------|-----------------|-------|----------|---------|----------|----------|---------|-------|
| Total Dissolved Solids | 786 | 10.0 | mg/L | 1 | BFD0156 | 04/06/22 | 04/08/22 | SM2540C | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:33

MW-5
2204042-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 1.0 | ug/l | 1 | BFD0152 | 04/08/22 | 04/10/22 | EPA 8260B | |
| Toluene | ND | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | 15 | 2.0 | " | " | " | " | " | " | |
| Naphthalene | ND | 1.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | 2.9 | 1.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | 160 | 1.0 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 110 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 93.6 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 113 % | 21-167 | | " | " | " | " | |

Anions by EPA Method 300.0

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|-------------|-----------------|-------------|------------|----------------|-----------------|-----------------|------------------|-------|
| Chloride | 19.6 | 12.0 | mg/L | 200 | BFD0125 | 04/06/22 | 04/06/22 | EPA 300.0 | |
| Sulfate | 330 | 60.0 | " | " | " | " | " | " | |

Total Dissolved Solids by SM2540C

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|------------|-----------------|-------------|----------|----------------|-----------------|-----------------|----------------|-------|
| Total Dissolved Solids | 854 | 10.0 | mg/L | 1 | BFD0156 | 04/06/22 | 04/08/22 | SM2540C | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:33

MW-6
2204042-05 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|-----------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 11 | 1.0 | ug/l | 1 | BFD0152 | 04/08/22 | 04/10/22 | EPA 8260B | |
| Toluene | ND | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 2.0 | " | " | " | " | " | " | |
| Naphthalene | ND | 1.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 110 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 92.1 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 110 % | 21-167 | | " | " | " | " | |

Anions by EPA Method 300.0

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|-------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Chloride | 21.4 | 12.0 | mg/L | 200 | BFD0125 | 04/06/22 | 04/06/22 | EPA 300.0 | |
| Sulfate | 252 | 60.0 | " | " | " | " | " | " | |

Total Dissolved Solids by SM2540C

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|------------|-----------------|-------|----------|---------|----------|----------|---------|-------|
| Total Dissolved Solids | 832 | 10.0 | mg/L | 1 | BFD0156 | 04/06/22 | 04/08/22 | SM2540C | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:33

MW-7
2204042-06 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | ND | 1.0 | | ug/l | 1 | BFD0152 | 04/08/22 | 04/10/22 | EPA 8260B | |
| Toluene | ND | 1.0 | | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | | " | " | " | " | " | " | |
| Xylenes (total) | ND | 2.0 | | " | " | " | " | " | " | |
| Naphthalene | ND | 1.0 | | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 110 % | | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 93.7 % | | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 100 % | | 21-167 | | " | " | " | " | |

Anions by EPA Method 300.0

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|-------------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Chloride | 14.8 | 12.0 | | mg/L | 200 | BFD0125 | 04/06/22 | 04/06/22 | EPA 300.0 | |
| Sulfate | 353 | 60.0 | | " | " | " | " | " | " | |

Total Dissolved Solids by SM2540C

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|------------|-----------|--|-------|----------|---------|----------|----------|---------|-------|
| | | Limit | | | | | | | | |
| Total Dissolved Solids | 901 | 10.0 | | mg/L | 1 | BFD0156 | 04/06/22 | 04/08/22 | SM2540C | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:33

MW-8
2204042-07 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | ND | 1.0 | | ug/l | 1 | BFD0152 | 04/08/22 | 04/10/22 | EPA 8260B | |
| Toluene | ND | 1.0 | | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | | " | " | " | " | " | " | |
| Xylenes (total) | ND | 2.0 | | " | " | " | " | " | " | |
| Naphthalene | ND | 1.0 | | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 109 % | | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 92.1 % | | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 102 % | | 21-167 | | " | " | " | " | |

Anions by EPA Method 300.0

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Chloride | 22.4 | 12.0 | | mg/L | 200 | BFD0125 | 04/06/22 | 04/06/22 | EPA 300.0 | |
| Sulfate | 300 | 60.0 | | " | " | " | " | " | " | |

Total Dissolved Solids by SM2540C

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|-------|----------|---------|----------|----------|---------|-------|
| | | Limit | | | | | | | | |
| Total Dissolved Solids | 759 | 10.0 | | mg/L | 1 | BFD0156 | 04/06/22 | 04/08/22 | SM2540C | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:33

MW-9
2204042-08 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | ND | 1.0 | | ug/l | 1 | BFD0152 | 04/08/22 | 04/10/22 | EPA 8260B | |
| Toluene | ND | 1.0 | | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | | " | " | " | " | " | " | |
| Xylenes (total) | ND | 2.0 | | " | " | " | " | " | " | |
| Naphthalene | ND | 1.0 | | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 111 % | | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 93.0 % | | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 98.7 % | | 21-167 | | " | " | " | " | |

Anions by EPA Method 300.0

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Chloride | 35.2 | 12.0 | | mg/L | 200 | BFD0125 | 04/06/22 | 04/06/22 | EPA 300.0 | |
| Sulfate | 299 | 60.0 | | " | " | " | " | " | " | |

Total Dissolved Solids by SM2540C

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|-------|----------|---------|----------|----------|---------|-------|
| | | Limit | | | | | | | | |
| Total Dissolved Solids | 723 | 10.0 | | mg/L | 1 | BFD0156 | 04/06/22 | 04/08/22 | SM2540C | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:33

MW-10
2204042-09 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | ND | 1.0 | | ug/l | 1 | BFD0152 | 04/08/22 | 04/10/22 | EPA 8260B | |
| Toluene | ND | 1.0 | | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | | " | " | " | " | " | " | |
| Xylenes (total) | ND | 2.0 | | " | " | " | " | " | " | |
| Naphthalene | ND | 1.0 | | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | " | " | " | " | " | " | |

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 112 % | | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 93.3 % | | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 99.9 % | | 21-167 | | " | " | " | " | |

Anions by EPA Method 300.0

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|-------------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Chloride | 39.2 | 12.0 | | mg/L | 200 | BFD0125 | 04/06/22 | 04/06/22 | EPA 300.0 | |
| Sulfate | 301 | 60.0 | | " | " | " | " | " | " | |

Total Dissolved Solids by SM2540C

Date Sampled: **03/31/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|------------|-----------|--|-------|----------|---------|----------|----------|---------|-------|
| | | Limit | | | | | | | | |
| Total Dissolved Solids | 824 | 10.0 | | mg/L | 1 | BFD0156 | 04/06/22 | 04/08/22 | SM2540C | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:33

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BFD0152 - EPA 5030 Water MS

Blank (BFD0152-BLK1)

Prepared: 04/08/22 Analyzed: 04/09/22

| | | | | | | | | | | |
|---|------|-----|------|------|--|------|--------|--|--|--|
| Benzene | ND | 1.0 | ug/l | | | | | | | |
| Toluene | ND | 1.0 | " | | | | | | | |
| Ethylbenzene | ND | 1.0 | " | | | | | | | |
| Xylenes (total) | ND | 2.0 | " | | | | | | | |
| Naphthalene | ND | 1.0 | " | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | " | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | " | | | | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 15.0 | | " | 13.3 | | 112 | 23-173 | | | |
| <i>Surrogate: Toluene-d8</i> | 12.2 | | " | 13.3 | | 91.9 | 20-170 | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 13.1 | | " | 13.3 | | 98.3 | 21-167 | | | |

LCS (BFD0152-BS1)

Prepared: 04/08/22 Analyzed: 04/09/22

| | | | | | | | | | | |
|---|------|-----|------|------|--|------|--------|--|--|--|
| Benzene | 35.0 | 1.0 | ug/l | 41.7 | | 84.0 | 51-132 | | | |
| Toluene | 37.9 | 1.0 | " | 41.7 | | 90.9 | 51-138 | | | |
| Ethylbenzene | 41.5 | 1.0 | " | 41.7 | | 99.6 | 58-146 | | | |
| m,p-Xylene | 83.7 | 2.0 | " | 83.3 | | 100 | 57-144 | | | |
| o-Xylene | 41.8 | 1.0 | " | 41.7 | | 100 | 53-146 | | | |
| Naphthalene | 37.9 | 1.0 | " | 41.7 | | 91.0 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 48.9 | 1.0 | " | 41.7 | | 117 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 47.7 | 1.0 | " | 41.7 | | 114 | 70-130 | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 15.6 | | " | 13.3 | | 117 | 23-173 | | | |
| <i>Surrogate: Toluene-d8</i> | 12.8 | | " | 13.3 | | 95.6 | 20-170 | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 13.5 | | " | 13.3 | | 101 | 21-167 | | | |

Matrix Spike (BFD0152-MS1)

Source: 2204042-01

Prepared: 04/08/22 Analyzed: 04/09/22

| | | | | | | | | | | |
|---|------|-----|------|------|------|------|--------|--|--|----------|
| Benzene | 413 | 1.0 | ug/l | 41.7 | 408 | 12.8 | 34-141 | | | E, QM-07 |
| Toluene | 49.1 | 1.0 | " | 41.7 | 8.71 | 97.0 | 27-151 | | | |
| Ethylbenzene | 42.1 | 1.0 | " | 41.7 | ND | 101 | 29-160 | | | |
| m,p-Xylene | 408 | 2.0 | " | 83.3 | 280 | 154 | 20-166 | | | E, QM-07 |
| o-Xylene | 234 | 1.0 | " | 41.7 | 210 | 56.4 | 33-159 | | | E, QM-07 |
| Naphthalene | 43.8 | 1.0 | " | 41.7 | 3.79 | 96.0 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 82.1 | 1.0 | " | 41.7 | 36.7 | 109 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 171 | 1.0 | " | 41.7 | 127 | 106 | 70-130 | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 14.6 | | " | 13.3 | | 110 | 23-173 | | | |
| <i>Surrogate: Toluene-d8</i> | 12.9 | | " | 13.3 | | 96.5 | 20-170 | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 14.5 | | " | 13.3 | | 109 | 21-167 | | | |

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 04/15/22 09:33

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BFD0152 - EPA 5030 Water MS

| Matrix Spike Dup (BFD0152-MSD1) | Source: 2204042-01 | | | Prepared: 04/08/22 Analyzed: 04/09/22 | | | | | | |
|----------------------------------|--------------------|-----|------|---------------------------------------|------|------|--------|------|----|----------|
| Benzene | 354 | 1.0 | ug/l | 41.7 | 408 | NR | 34-141 | 15.4 | 30 | E, QM-07 |
| Toluene | 47.0 | 1.0 | " | 41.7 | 8.71 | 92.0 | 27-151 | 4.35 | 30 | |
| Ethylbenzene | 41.5 | 1.0 | " | 41.7 | ND | 99.6 | 29-160 | 1.44 | 30 | |
| m,p-Xylene | 359 | 2.0 | " | 83.3 | 280 | 94.9 | 20-166 | 12.9 | 30 | |
| o-Xylene | 205 | 1.0 | " | 41.7 | 210 | NR | 33-159 | 12.8 | 30 | E, QM-07 |
| Naphthalene | 44.9 | 1.0 | " | 41.7 | 3.79 | 98.6 | 70-130 | 2.44 | 30 | |
| 1,2,4-Trimethylbenzene | 77.4 | 1.0 | " | 41.7 | 36.7 | 97.6 | 70-130 | 5.87 | 30 | |
| 1,3,5-Trimethylbenzene | 152 | 1.0 | " | 41.7 | 127 | 61.1 | 70-130 | 11.6 | 30 | QM-07 |
| Surrogate: 1,2-Dichloroethane-d4 | 15.1 | | " | 13.3 | | 113 | 23-173 | | | |
| Surrogate: Toluene-d8 | 13.0 | | " | 13.3 | | 97.8 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 14.3 | | " | 13.3 | | 107 | 21-167 | | | |

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 04/15/22 09:33

Anions by EPA Method 300.0 - Quality Control

Summit Scientific

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

Batch BFD0125 - General Preparation

Blank (BFD0125-BLK1)

Prepared & Analyzed: 04/06/22

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

LCS (BFD0125-BS1)

Prepared & Analyzed: 04/06/22

| | | | | | | | | |
|----------|------|--------|------|------|-----|--------|--|--|
| Chloride | 3.17 | 0.0600 | mg/L | 3.00 | 106 | 90-110 | | |
| Sulfate | 15.2 | 0.300 | " | 15.0 | 101 | 90-110 | | |

Duplicate (BFD0125-DUP1)

Source: 2204014-01

Prepared & Analyzed: 04/06/22

| | | | | | | | | |
|----------|------|------|------|--|------|--|------|----|
| Chloride | 70.6 | 12.0 | mg/L | | 71.4 | | 1.13 | 20 |
| Sulfate | 1100 | 60.0 | " | | 1150 | | 4.50 | 20 |

Matrix Spike (BFD0125-MS1)

Source: 2204014-01

Prepared & Analyzed: 04/06/22

| | | | | | | | | |
|----------|------|------|------|------|------|------|--------|--|
| Chloride | 666 | 12.0 | mg/L | 600 | 71.4 | 99.1 | 80-120 | |
| Sulfate | 4720 | 60.0 | " | 3000 | 1150 | 119 | 80-120 | |

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 - Wardlaw 20-28, 16-28

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 04/15/22 09:33

Total Dissolved Solids by SM2540C - Quality Control
Summit Scientific

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

Batch BFD0156 - General Preparation

Blank (BFD0156-BLK1)

Prepared: 04/06/22 Analyzed: 04/08/22

Total Dissolved Solids ND 10.0 mg/L

Duplicate (BFD0156-DUP1)

Source: 2204042-01

Prepared: 04/06/22 Analyzed: 04/08/22

Total Dissolved Solids 807 10.0 mg/L 812 0.606 20

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw 20-28, 16-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:33

Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
- E The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

April 15, 2022

Paul Henchan
Fremont Environmental
PO Box 1289
Wellington, CO 80549
RE: Noble - Wardlaw
Work Order #2204101

Enclosed are the results of analyses for samples received by Summit Scientific on 04/07/22 15:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Paul Shrewsbury
President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:53

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| BKG1 1ft | 2204101-01 | Soil | 04/07/22 00:00 | 04/07/22 15:00 |

Summit Scientific

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

Summit Scientific

2204101

S₂

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310 ♦ 303-374-5933 (f)

Page 1 of 1

Client: Fremont Environmental

Project Manager: Paul Henehan

Address: P.O Box 1289

E-Mail: paulh@fremontenv.com, ethanb@fremontenv.com

City/State/Zip: Wellington, CO 80549

Bill to: Jacob

Phone: 303-956-8714

Project Name: Noble - Wardlaw

Sampler Name: Black

Project Number:

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | | Analysis Requested | | | | | | | Special Instructions | | |
|----|--------------------|--------------|--------------|-----------------|--------------|------------------|------|-------|--------|------|----------------|--------------------|--------------|------------|-----|---------|-----|----|----------------------|--------|-------|
| | | | | | HCl | HNO ₃ | None | Other | Water | Soil | Air-Canister # | Other | GBTEXN - 915 | BTEX - 910 | GRO | DRO/ORO | SAR | EC | | Asenic | Boron |
| 1 | BKG 1 IFT | 4/7/22 | | 1 | | | X | | | X | | | | | | | | X | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | |

| | | | | | |
|-------------------------------------|--------------------------|---------------------------------|-------------------------------|---|--|
| Relinquished by: <u>Ethan Black</u> | Date/Time: <u>4/7/22</u> | Received by: <u>[Signature]</u> | Date/Time: <u>4/7/22 1500</u> | Turn Around Time (Check) | Notes: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Same Day <input type="checkbox"/> | 72 hours <input type="checkbox"/> |
| | | | | 24 hours <input type="checkbox"/> | Standard <input checked="" type="checkbox"/> |
| | | | | 48 hours <input type="checkbox"/> | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Sample Integrity: | |
| | | | | Temperature Upon Receipt: <u>43</u> | |
| | | | | Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No | |



Sample Receipt Checklist

S2 Work Order# 2204101

Client: Fremont Client Project ID: Noble-wardlaw

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

Matrix (check all that apply): Air Soil/Solid Water Other: _____ (Describe)

Temp (°C) 4.3

Thermometer ID: 61857155-K

| | Yes | No | N/A | Comments (if any) |
|--|-----|----|-----|-------------------|
| If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun. | - | | | ON ICE |
| Were all samples received intact ⁽¹⁾ ? | - | | | |
| Was adequate sample volume provided ⁽¹⁾ ? | - | | | |
| If custody seals are present, are they intact ⁽¹⁾ ? | - | | | |
| Are samples with holding times due within 48 hours sample due within 48 hours present? | | - | | |
| Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ? | - | | | |
| Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ? | - | | | |
| Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ? | - | | | |
| Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ? | - | | | |
| For volatiles in water – is there headspace present? If yes, contact client and note in narrative. | | | - | |
| Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, etc. | | | - | |
| If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments. | | | - | |
| If dissolved metals are requested, were samples field filtered? | | | - | |

Additional Comments (if any):

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

[Signature]
Custodian Printed Name or Initials

4-7-22
Date/Time



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Wardlaw

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 04/15/22 09:53

BKG1 1ft
2204101-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **04/07/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|--|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Arsenic | 3.41 | 0.200 | | mg/kg dry | 1 | BFD0178 | 04/13/22 | 04/14/22 | EPA 6020B | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/07/22 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|--|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | | | | | | | | |
| % Solids | 97.3 | | | % | 1 | BFD0263 | 04/13/22 | 04/13/22 | Calculation | |

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 - Wardlaw

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 04/15/22 09:53

Total Metals by EPA 6020B - Quality Control

Summit Scientific

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

Batch BFD0178 - EPA 3050B

Blank (BFD0178-BLK1)

Prepared: 04/13/22 Analyzed: 04/14/22

Arsenic ND 0.200 mg/kg wet

LCS (BFD0178-BS1)

Prepared: 04/13/22 Analyzed: 04/14/22

Arsenic 34.3 0.200 mg/kg wet 40.0 85.8 80-120

Duplicate (BFD0178-DUP1)

Source: 2204039-01

Prepared: 04/13/22 Analyzed: 04/14/22

Arsenic 0.862 0.200 mg/kg dry 0.820 4.97 20

Matrix Spike (BFD0178-MS1)

Source: 2204039-01

Prepared: 04/13/22 Analyzed: 04/14/22

Arsenic 44.5 0.200 mg/kg dry 47.3 0.820 92.4 75-125

Matrix Spike Dup (BFD0178-MSD1)

Source: 2204039-01

Prepared: 04/13/22 Analyzed: 04/14/22

Arsenic 42.8 0.200 mg/kg dry 47.3 0.820 88.9 75-125 3.81 25

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Wardlaw

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 04/15/22 09:53

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 BFD0263 - General Preparation

Duplicate (BFD0263-DUP1)

Source: 2204099-01

Prepared & Analyzed: 04/13/22

| | | | | | | | | | | |
|----------|------|--|---|--|------|--|--|------|----|--|
| % Solids | 95.4 | | % | | 96.4 | | | 1.13 | 20 | |
|----------|------|--|---|--|------|--|--|------|----|--|

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Wardlaw

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/15/22 09:53

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference