

# **FREMONT ENVIRONMENTAL INC.**

August 31, 2022

Mr. Daniel Peterson  
Noble Energy Inc.  
2115 117<sup>th</sup> Ave.  
Greeley, CO 80634

Subject:     **Site Investigation Report**  
              Branch 1-3  
              API # 05-123-12513  
              NENE Sec. 3, T4N, R64W  
              Weld County, Colorado  
              Fremont Project No. C022-066  
              Facility # 323068, Remediation # 21830

Dear Mr. Peterson:

Enclosed please find a copy of the above referenced Site Investigation Report for the Branch 1-3 facility in Weld County, Colorado. The enclosed report describes site investigation and sampling efforts to assess soil 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. Henahan, P.E.  
Senior Consultant

Enclosure

**SITE INVESTIGATION REPORT**  
**NOBLE ENERGY INC.**  
**BRANCH 1-3**  
**WELD COUNTY, COLORADO**  
**FREMONT PROJECT NO. C022-066**  
**FACILITY # 323068, REMEDIATION # 21830**

**Prepared by:**

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**August 31, 2022**

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**SITE INVESTIGATION REPORT**  
**NOBLE ENERGY INC.**  
**BRANCH 1-3**  
**WELD COUNTY, COLORADO**  
**FREMONT PROJECT NO. C022-066**  
**FACILITY # 323068, REMEDIATION # 21830**

**1.0 INTRODUCTION**

The purpose of this document is to present information collected to delineate the extent of petroleum-impacted soil at the Branch 1-3 tank battery (Branch) in Weld County, Colorado. Impacted soil was identified adjacent to the produced water vault (PWV) during facility closure activities at the Branch location. Ten soil borings were advanced during a site investigation completed at the site on June 29, 2022 to delineate the magnitude and extent of subsurface soil impacts.

**2.0 BACKGROUND INFORMATION**

**2.1 Site Location**

The Branch facility is located approximately 3.6 miles southeast of Kersey, Colorado in Weld County as shown on Figure 1. The site is located in a rural and agricultural area approximately 0.2 miles west of the intersection of County Road 50 and County Road 57. The location is further described as the NE  $\frac{1}{4}$  of the NE  $\frac{1}{4}$  of Section 3, Township 4N, Range 64W.

**2.2 Site History**

The Branch tank battery services the Branch 1-3 natural gas well. The Branch 1-3 well was drilled in 1985 to a depth of approximately 6,900 feet.

A historical release was discovered within the PWV excavation during decommissioning activities at the Branch facility in June 2022. A site investigation to determine the extent of soil impacts was undertaken on June 29, 2022. Groundwater was not encountered at that time.

### **3.0 SITE INVESTIGATION ACTIVITIES**

#### **3.1 Soil Borings**

A total of 10 soil borings were advanced utilizing a Geoprobe rig during the site investigation conducted at the former PWV location on June 29, 2022. These borings were used to delineate the extent of soil impacts at the site. The locations of the soil borings are illustrated on the attached figures.

Generally, the subsurface consists of poorly sorted, fine sand and sandy clay that extends to a depth of approximately six feet. The soils are underlain by a plastic clay, which includes a poorly sorted, two-foot sand lens between eight and ten feet. The clay extends from six to at least 12 feet deep. The maximum depth of the borings was 12 feet. Groundwater was not observed within the borings advanced during the site investigation. Geologic cross sections illustrating the soil lithology are presented on Figure 4.

Soil samples from each of the borings were evaluated in the field using a photoionization detector (PID). Logs of the borings are presented in Appendix A.

Soil samples were collected from each of the borings and sent to Summit Scientific, Inc. in Golden, Colorado for the analyses of benzene, toluene, ethylbenzene and total xylenes (BTEX), naphthalene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene (TMB), 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 (PAH) Acenaphthene, Anthracene, Benzo (a) anthracene, Benzo (a) pyrene, Benzo (b) fluoranthene, Chrysene, Dibenz (a,h) anthracene, Fluoranthene, Fluorene, Indeno (1,2,3-cd) pyrene, Pyrene, 1-Methylnaphthalene, 2-Methylnaphthalene by EPA method 8270D.

Soil impacts exceeding the COGCC Table 915-1 protection of groundwater soil screening levels (PGSSLs) for organic petroleum constituents were observed in eight of the 10 borings. The soil chemistry is presented on Figure 5 and summarized in Tables 1 and 2. A copy of the laboratory report and chain of custody documentation is provided in Appendix B.

#### **4.0 DISCUSSION**

A site investigation was conducted at the Branch 1-3 facility on June 29, 2022 due to an historical release discovered within the PWV excavation during site decommissioning activities. Ten soil borings were advanced to delineate the magnitude and extent of soil impacts.

Soil impacts above the COGCC Table 915-1 Protection of Groundwater Soil Screening Levels were observed in eight of the 10 soil borings. Groundwater was not encountered during the site investigation. The soil data are illustrated and summarized in the attached tables and figures.

Impacted soils at the Branch tank battery location will be removed via excavation. The excavation extent will be based on the location and depths of residual impacts observed during the site investigation. Noble will request closure under the COGCC Table 915-1 Protection of Groundwater Soil Screening levels following laboratory analysis showing

unimpacted soils in the excavation sidewalls and floor in the area encompassing the residual soil impacts.

### **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.**



8/31/22

Date\_\_\_\_\_

\_\_\_\_\_  
Ethan D. Black, P.G.

Geologist

Reviewed by:



8/31/22

Date\_\_\_\_\_

\_\_\_\_\_  
Paul V. Henahan, P.E.

Senior Consultant

## TABLES



TABLE 1  
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA  
NOBLE ENERGY INC.  
BRANCH 1-3, WELD COUNTY, COLORADO  
FREMONT PROJECT NO. C022-066

| 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) |
|--|--------------|------------|----------|-----------------|-----------------|-----------------------|-----------------|---------------------------------|---------------------------------|---------------------|-----------------|-----------------|-----------------|
| AST-Cen Surface  | 6/6/2022     | 0          | Floor    | <0.0020         | <0.0050         | <0.0050               | <0.010          | <0.0050                         | <0.0050                         | <0.0038             | 2.9             | 55              | <50             |
| FL01 4ft   | 6/6/2022     | 4          | Floor    | <0.0020         | <0.0050         | <0.0050               | <0.010          | <0.0050                         | <0.0050                         | <0.0038             | <0.5            | <50             | <50             |
| PWV-Floor 5ft  | 6/6/2022     | 5          | Floor    | <0.0020         | <0.0050         | <0.0050               | <0.010          | <0.0050                         | <0.0050                         | <0.0038             | 0.59            | 110             | <50             |
| PWV-N Wall 4ft   | 6/6/2022     | 4          | Wall     | <0.0020         | <0.0050         | <0.0050               | <0.010          | <b>0.035</b>                    | <0.0050                         | <0.0038             | <b>6.4</b>      | <b>490</b>      | <b>44.5</b>     |
| Sep B-Point Surface                                      | 6/6/2022     | 0          | Floor    | <0.0020         | <0.0050         | <0.0050               | <0.010          | <0.0050                         | <0.0050                         | <0.0038             | <0.5            | <50             | <50             |
| SB-1 5 ft  | 6/29/2022    | 5          | Boring   | <b>0.017</b>    | <0.0050         | <0.0050               | 0.30            | <b>0.29</b>                     | 0.086                           | 0.026               | 9.6             | <50             | <50             |
| SB-1 8 ft  | 6/29/2022    | 8          | Boring   | <b>0.22</b>     | <0.050          | <b>1.2</b>            | 5.1             | <b>5.6</b>                      | 1.0                             | 0.37                | 190             | 100             | <50             |
| SB-1 12 ft   | 6/29/2022    | 12         | Boring   | <0.0020         | <0.0050         | <0.0050               | <0.010          | <0.0050                         | <0.0050                         | <0.0038             | <0.5            | <50             | <50             |
| SB-2 2 ft  | 6/29/2022    | 2          | Boring   | <0.0020         | <0.0050         | <0.0050               | <0.010          | 0.0070                          | <0.0050                         | 0.0051              | <0.5            | <50             | <50             |
| SB-2 8 ft  | 6/29/2022    | 8          | Boring   | <b>0.023</b>    | <0.0050         | 0.0090                | <0.010          | <b>7.7</b>                      | <0.0050                         | 0.90                | <b>580</b>      | <b>230</b>      | <b>&lt;50</b>   |
| SB-3 4 ft  | 6/29/2022    | 4          | Boring   | <0.0020         | <0.0050         | <0.0050               | <0.010          | <0.0050                         | <0.0050                         | <0.0038             | <0.5            | <50             | <50             |
| SB-3 7 ft  | 6/29/2022    | 7          | Boring   | <b>0.62</b>     | <0.0050         | <b>4.6</b>            | <0.010          | <b>39</b>                       | <0.0050                         | <b>2.2</b>          | <b>1200</b>     | <b>1500</b>     | <b>180</b>      |
| SB-4 4 ft  | 6/29/2022    | 4          | Boring   | <0.0020         | <0.0050         | <0.0050               | <0.010          | <0.0050                         | <0.0050                         | <0.0038             | <0.5            | <50             | <50             |
| SB-4 8 ft  | 6/29/2022    | 8          | Boring   | <0.0020         | <0.0050         | <0.0050               | <0.010          | <0.0050                         | <0.0050                         | <0.0038             | <0.5            | <50             | <50             |
| SB-5 6 ft  | 6/29/2022    | 6          | Boring   | <b>0.0064</b>   | <0.0050         | 0.010                 | 0.12            | <b>0.63</b>                     | 0.051                           | 0.022               | 12              | <50             | <50             |
| SB-5 12 ft   | 6/29/2022    | 12         | Boring   | <0.0020         | <0.0050         | <0.0050               | <0.010          | 0.0075                          | <0.0050                         | <0.0038             | <0.5            | <50             | <50             |
| SB-5 8 ft  | 6/29/2022    | 8          | Boring   | <b>0.020</b>    | <0.0050         | 0.22                  | 2.8             | <b>5.4</b>                      | 2.1                             | 0.21                | 130             | 120             | <50             |
| SB-6 4 ft  | 6/29/2022    | 4          | Boring   | <0.0020         | <0.0050         | <0.0050               | <0.010          | <0.0050                         | <0.0050                         | 0.0094              | <b>2300</b>     | <b>2000</b>     | <b>260</b>      |
| SB-6 8 ft  | 6/29/2022    | 8          | Boring   | <b>0.11</b>     | <0.0050         | <b>2.9</b>            | <0.010          | <b>35</b>                       | <0.0050                         | 1.8                 | <b>990</b>      | <b>710</b>      | <b>99</b>       |
| SB-7 3 ft  | 6/29/2022    | 3          | Boring   | <0.0020         | <0.0050         | <0.0050               | <0.010          | <b>0.45</b>                     | <0.0050                         | 0.015               | 24              | 79              | <50             |
| SB-7 8 ft  | 6/29/2022    | 8          | Boring   | <b>0.0052</b>   | <0.0050         | 0.017                 | <0.010          | <b>0.066</b>                    | <0.0050                         | 0.012               | 58              | 240             | <50             |
| SB-8 9 ft  | 6/29/2022    | 9          | Boring   | <0.0020         | <0.0050         | <0.0050               | <0.010          | <0.0050                         | <0.0050                         | <0.0038             | <0.5            | 57              | <50             |
| SB-8 12 ft   | 6/29/2022    | 12         | Boring   | <0.0020         | <0.0050         | <0.0050               | <0.010          | <0.0050                         | <0.0050                         | <0.0038             | <0.5            | <50             | <50             |
| SB-9 2 ft  | 6/29/2022    | 2          | Boring   | <b>0.0087</b>   | <0.0050         | <0.0050               | <0.010          | <0.0050                         | 0.0079                          | <0.0038             | 8.4             | 190             | <50             |
| SB-9 8 ft  | 6/29/2022    | 8          | Boring   | <0.0020         | <0.0050         | 0.023                 | <0.010          | <b>0.018</b>                    | <0.0050                         | 0.011               | 25              | 160             | <50             |
| SB-10 6 ft   | 6/29/2022    | 6          | Boring   | <0.0020         | <0.0050         | <0.0050               | <0.010          | <0.0050                         | <0.0050                         | <0.0038             | <0.5            | 190             | <50             |
| SB-10 12 ft  | 6/29/2022    | 12         | Boring   | <0.0020         | <0.0050         | <0.0050               | <0.010          | <0.0050                         | <0.0050                         | <0.0038             | 2.2             | <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)

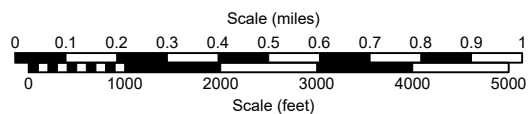
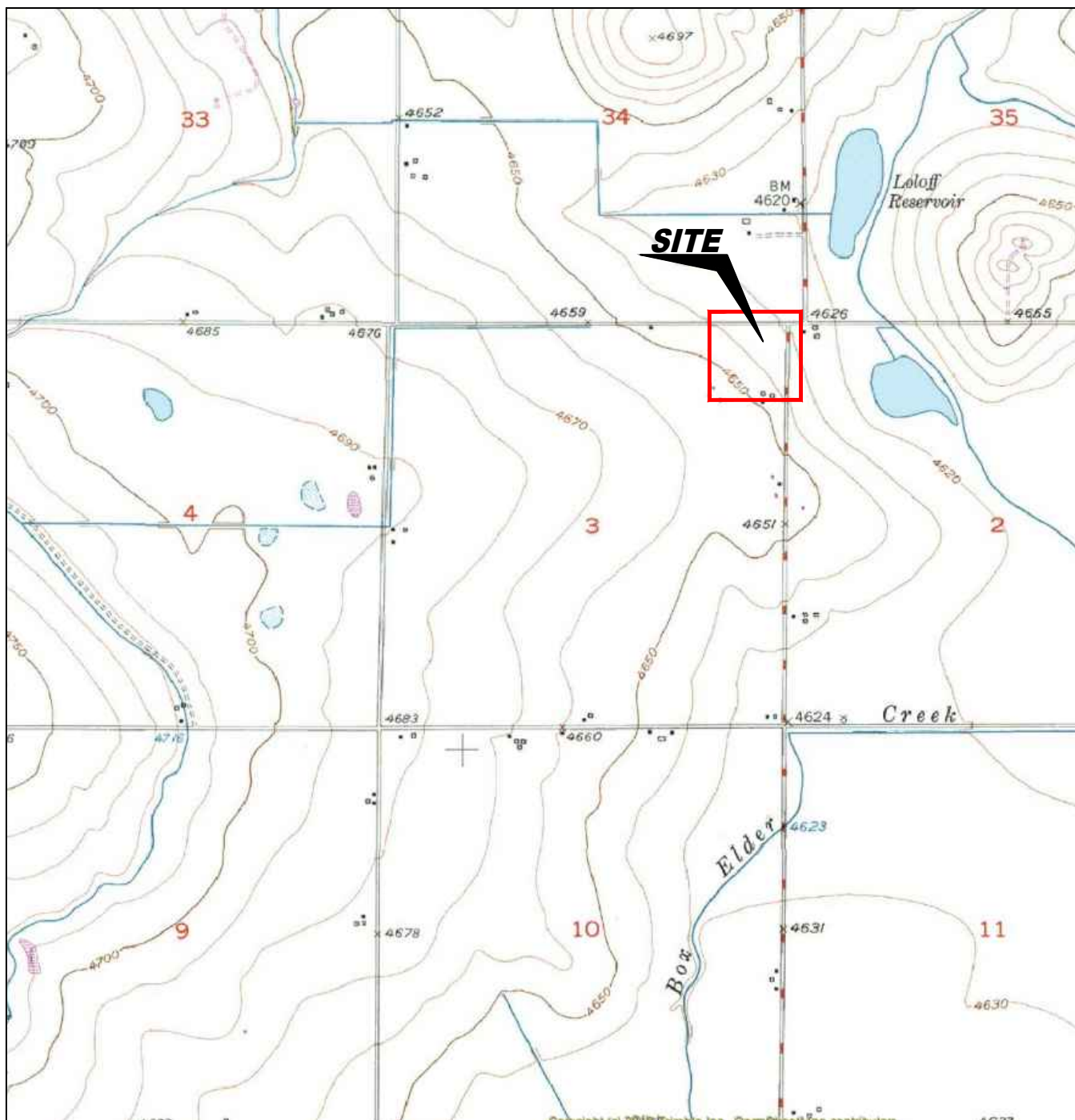
\* Summation of GRO+DRO+ORO must be less than 500 mg/kg

TABLE 2  
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA  
NOBLE ENERGY INC.  
BRANCH 1-3, WELD COUNTY, COLORADO  
FREMONT PROJECT NO. C022-066

| 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) |
|--|--------------|------------|----------|----------------------|--------------------|------------------------------|--------------------------|--------------------------------|--------------------------------|------------------|---------------------------------|----------------------|------------------|----------------------------------|----------------|--------------------------------|-------------------------------|
| AST-Cen Surface  | 6/6/2022     | 0          | Floor    | <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                      |
| FL01 4ft   | 6/6/2022     | 4          | Floor    | <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                      |
| PWV-Floor 5ft  | 6/6/2022     | 5          | Floor    | <0.00500             | <0.00500           | <0.00500                     | <0.00500                 | <0.00500                       | <0.00500                       | <0.00500         | <0.00500                        | <0.00500             | <0.00500         | <0.00500                         | <0.00500       | <b>0.0169</b>                  | 0.0148                        |
| PWV-N Wall 4ft   | 6/6/2022     | 4          | Wall     | <0.00500             | <0.00500           | <0.00500                     | <0.00500                 | <0.00500                       | <0.00500                       | 0.0500           | <0.00500                        | <0.00500             | <0.00500         | <0.00500                         | <0.00500       | <b>0.297</b>                   | <b>0.606</b>                  |
| Sep B-Point Surface                                      | 6/6/2022     | 0          | Floor    | <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                      |
| SB-1 5 ft  | 6/29/2022    | 5          | Boring   | 0.00877              | <0.00500           | <0.00500                     | <0.00500                 | <0.00500                       | <0.00500                       | 0.00704          | <0.00500                        | <0.00500             | 0.0183           | <0.00500                         | <0.00500       | <b>0.0759</b>                  | <b>0.148</b>                  |
| SB-1 8 ft  | 6/29/2022    | 8          | Boring   | 0.0148               | <0.00500           | <0.00500                     | <0.00500                 | <0.00500                       | <0.00500                       | 0.00848          | <0.00500                        | <0.00500             | 0.0267           | <0.00500                         | <0.00500       | <b>0.0529</b>                  | <b>0.0899</b>                 |
| SB-1 12 ft   | 6/29/2022    | 12         | 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                      |
| SB-2 2 ft  | 6/29/2022    | 2          | Boring   | 0.0351               | <0.00500           | <0.00500                     | <0.00500                 | <0.00500                       | <0.00500                       | 0.0262           | <0.00500                        | 0.0121               | 0.0530           | <0.00500                         | 0.00754        | <b>0.246</b>                   | <b>0.132</b>                  |
| SB-2 8 ft  | 6/29/2022    | 8          | Boring   | 0.0317               | <0.00500           | <0.00500                     | <0.00500                 | <0.00500                       | <0.00500                       | 0.0199           | <0.00500                        | 0.00973              | 0.0496           | <0.00500                         | 0.00588        | <b>0.333</b>                   | <b>0.186</b>                  |
| SB-3 4 ft  | 6/29/2022    | 4          | Boring   | 0.00901              | 0.0825             | <0.00500                     | <0.00500                 | <0.00500                       | <0.00500                       | 0.0140           | <0.00500                        | 0.00784              | 0.0466           | <0.00500                         | <0.00500       | <b>0.0999</b>                  | <b>0.0405</b>                 |
| SB-3 7 ft  | 6/29/2022    | 7          | Boring   | 0.0154               | <0.00500           | <0.00500                     | <0.00500                 | 0.00543                        | <0.00500                       | 0.0225           | <0.00500                        | <0.00500             | 0.0283           | <0.00500                         | <0.00500       | <b>0.108</b>                   | <b>0.0683</b>                 |
| SB-4 4 ft  | 6/29/2022    | 4          | 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                      |
| SB-4 8 ft  | 6/29/2022    | 8          | 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                      |
| SB-5 6 ft  | 6/29/2022    | 6          | Boring   | 0.0127               | <0.00500           | <0.00500                     | <0.00500                 | <0.00500                       | <0.00500                       | 0.00741          | <0.00500                        | <0.00500             | 0.0223           | <0.00500                         | <0.00500       | <b>0.0213</b>                  | <0.00500                      |
| SB-5 12 ft   | 6/29/2022    | 12         | 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                      |
| SB-5 8 ft  | 6/29/2022    | 8          | Boring   | 0.0632               | 0.886              | <0.00500                     | <0.00500                 | <0.00500                       | <0.00500                       | 0.105            | <0.00500                        | 0.0203               | 0.134            | <0.00500                         | <0.00500       | <b>0.351</b>                   | <b>0.218</b>                  |
| SB-6 4 ft  | 6/29/2022    | 4          | Boring   | <0.00500             | 0.0760             | <0.00500                     | <0.00500                 | <0.00500                       | <0.00500                       | 0.0682           | <0.00500                        | 0.0285               | 0.0282           | <0.00500                         | 0.0216         | <0.00500                       | <0.00500                      |
| SB-6 8 ft  | 6/29/2022    | 8          | Boring   | 0.0557               | <0.00500           | <0.00500                     | <0.00500                 | <0.00500                       | <0.00500                       | 0.0348           | <0.00500                        | <0.00500             | 0.0681           | <0.00500                         | 0.0140         | <b>0.0997</b>                  | <b>0.155</b>                  |
| SB-7 3 ft  | 6/29/2022    | 3          | Boring   | 0.0156               | <0.00500           | <0.00500                     | <0.00500                 | 0.00598                        | <0.00500                       | 0.0228           | <0.00500                        | <0.00500             | 0.0288           | <0.00500                         | <0.00500       | <b>0.105</b>                   | <b>0.0699</b>                 |
| SB-7 8 ft  | 6/29/2022    | 8          | Boring   | 0.0201               | <0.00500           | <0.00500                     | <0.00500                 | <0.00500                       | <0.00500                       | 0.0397           | <0.00500                        | 0.0183               | 0.0879           | <0.00500                         | 0.0153         | <b>0.171</b>                   | <b>0.192</b>                  |
| SB-8 9 ft  | 6/29/2022    | 9          | 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                      |
| SB-8 12 ft   | 6/29/2022    | 12         | 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                      |
| SB-9 2 ft  | 6/29/2022    | 2          | Boring   | <0.00500             | <0.100             | <b>&lt;0.100</b>             | 0.0141                   | 0.00957                        | <0.100                         | <0.100           | <b>&lt;0.100</b>                | <0.100               | 0.401            | <0.100                           | <0.100         | <b>3.54</b>                    | <b>3.50</b>                   |
| SB-9 8 ft  | 6/29/2022    | 8          | Boring   | 0.0326               | <0.00500           | <0.00500                     | <0.00500                 | <0.00500                       | <0.00500                       | 0.0219           | <0.00500                        | 0.0115               | 0.0518           | <0.00500                         | 0.00735        | <b>0.322</b>                   | <b>0.171</b>                  |
| SB-10 6 ft   | 6/29/2022    | 6          | Boring   | <0.00500             | <0.00500           | <0.00500                     | <0.00500                 | <0.00500                       | <0.00500                       | 0.0138           | <0.00500                        | <0.00500             | 0.0273           | <0.00500                         | <0.00500       | <b>0.0246</b>                  | <0.00500                      |
| SB-10 12 ft  | 6/29/2022    | 12         | 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)

## **FIGURES**



USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)

Figure 1  
SITE LOCATION MAP

**Noble Energy, Inc. ~ Branch 1-3**  
NENE Sec. 3, T4N, R64W, 6th PM  
Weld County, Colorado  
40.348412°, -104.529767°

|                              |                               |                             |
|------------------------------|-------------------------------|-----------------------------|
| Project #<br><b>C022-066</b> | API #<br><b>05-123-12513</b>  | Facility #<br><b>323068</b> |
| Date<br><b>8/13/22</b>       | Remediation #<br><b>21830</b> | Filename<br><b>22066T</b>   |





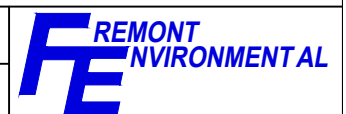
#### LEGEND

|                        |                             |                 |                  |
|------------------------|-----------------------------|-----------------|------------------|
| ● SOIL BORING LOCATION | ○ ABOVE GROUND STORAGE TANK | FORMER FACILITY | CONTAINMENT BERM |
| ▨ AREA OF EXCAVATION   |                             | FLOW LINE       | FENCE LINE       |

Figure 2  
SITE MAP

**Noble Energy, Inc. ~ Branch 1-3**  
 NENE Sec. 3, T4N, R64W, 6th PM  
 Weld County, Colorado  
 40.348412°, -104.529767°

|                                |                               |                             |
|--------------------------------|-------------------------------|-----------------------------|
| Project No.<br><b>C022-066</b> | API #<br><b>05-123-12513</b>  | Facility #<br><b>323068</b> |
| Date<br><b>9/1/22</b>          | Remediation #<br><b>21830</b> | Filename<br><b>22066Q</b>   |







#### LEGEND

|                        |                             |                 |                            |
|------------------------|-----------------------------|-----------------|----------------------------|
| ● SOIL BORING LOCATION | ○ ABOVE GROUND STORAGE TANK | FORMER FACILITY | CONTAINMENT BERM           |
| AREA OF EXCAVATION     |                             | FORMER FACILITY | FLOW LINE                  |
|                        |                             |                 | FENCE LINE                 |
|                        |                             |                 | CUT LINE FOR CROSS SECTION |

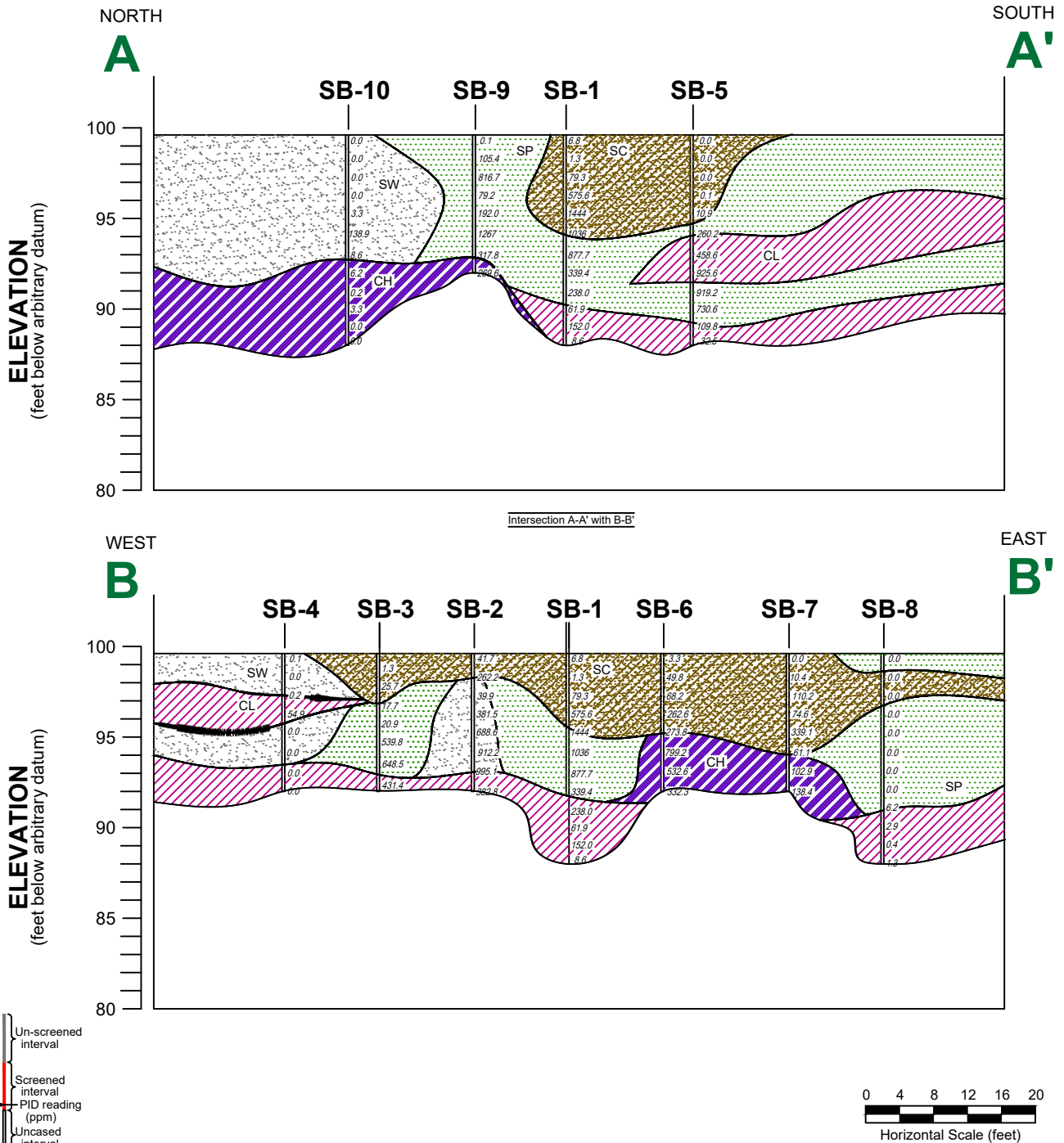
Figure 3

#### CROSS SECTION MAP

**Noble Energy, Inc. ~ Branch 1-3**  
 NENE Sec. 3, T4N, R64W, 6th PM  
 Weld County, Colorado  
 40.348412°, -104.529767°

|                                |                               |                             |
|--------------------------------|-------------------------------|-----------------------------|
| Project No.<br><b>C022-066</b> | API #<br><b>05-123-12513</b>  | Facility #<br><b>323068</b> |
| Date<br><b>9/1/22</b>          | Remediation #<br><b>21830</b> | Filename<br><b>22066Q</b>   |





# **LEGEND**

|   |                                     |                              |
|---|-------------------------------------|------------------------------|
| <b>CH</b> Clay, high plasticity           | <b>SW</b> Sand, well-graded         | <b>FILL</b> FILL             |
| <b>CL</b> Clay, low plasticity            | <b>SP</b> Sand, poorly-graded       | <b>Asphalt</b> Asphalt       |
| <b>MP</b> Silt, high plasticity           | <b>SC</b> Sand, clayey              | <b>Concrete</b> Concrete     |
| <b>ML</b> Silt, low plasticity            | <b>SM</b> Sand silty                | <b>Basin fill</b> Basin fill |
| <b>CH</b> Clay, silty high plasticity     | <b>SM-SC</b> Sand, silty sandy clay | <b>Claystone</b> Claystone   |
| <b>CL-ML</b> Clay, silty, low plasticity  | <b>GP</b> Gravel, poorly-graded     | <b>Siltstone</b> Siltstone   |
| <b>MH-CH</b> Silt, clayey high plasticity | <b>GC</b> Gravel, clayey            | <b>Shale</b> Shale           |
| <b>ML-CL</b> Silt, clayey low plasticity  | <b>GM</b> Gravel, silty             | <b>Sandstone</b> Sandstone   |

**Figure 4**  
**CROSS SECTIONS A-A' and B-B' MAP**

**Noble Energy, Inc. ~ Branch 1-3**  
NENE Sec. 3, T4N, R64W, 6th PM  
Weld County, Colorado  
40.348412°, -104.529767°

|                                |                               |                             |
|--------------------------------|-------------------------------|-----------------------------|
| Project No.<br><b>C022-066</b> | API #<br><b>05-123-12513</b>  | Facility #<br><b>323068</b> |
| Date<br><b>8/13/22</b>         | Remediation #<br><b>21830</b> | Filename<br><b>22066X</b>   |








APPENDIX A

**BORING LOGS**





|  |                          |   |  |                                       |  |  |  |   |  |                                    |           |
|--|--------------------------|---|--|---------------------------------------|--|--|--|---|--|------------------------------------|-----------|
| Boring/Well No.<br><b>SB-2</b>   | Total Depth<br><b>8'</b> | Location<br><b>Noble Energy, Inc.</b><br><b>Branch 1-3</b><br><b>NENE Sec. 3, T4N, R64W, 6th PM</b><br><b>Weld County, Colorado</b> |  |                                       |  |  |  |  |  |                                    |           |
| Project No./Name<br><b>C022-066 Noble Branch 1-3</b>                                   |                          |   |  |                                       |  |  |  |   |  |                                    |           |
| Drilling Contractor/Driller<br><b>Drill Pro / Terrence, Hayward</b>                    |                          | Approved By   |  |                                       |  |  |  |   |  |                                    |           |
| Geologist/Office<br><b>Ethan Black / Fremont Environmental, Inc.</b>                   |                          |   |  |                                       |  |  |  |   |  |                                    |           |
| Drilling Equipment/Method<br><b>Geoprobe</b>   |                          | Size/Type of Bit<br><b>2.5 direct push</b>  |  | Sampling Method<br><b>direct push</b> |  | Start/Finish Date<br><b>06/29/2022</b> |  |   |  |                                    |           |
| Well Installed?<br>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |                          | Casing Mtrl./Dia.   |  | Screen:<br>Type                       |  | Mtrl.                                  |  | Length  |  | Dia.                               | Slot Size |
| Elevation of:<br>(ft. above datum)   |                          | Ground Surface  |  | Top of Well Casing                    |  | Top of Screen                          |  | Bottom of Screen  |  | Ground Water Surface/Date Measured |           |

[illegible]

[illegible]

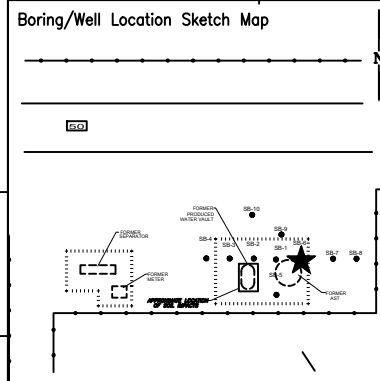


|  |  |                          |  |   |  |                                       |  |  |  |                                    |  |           |  |
|--|--|--------------------------|--|---|--|---------------------------------------|--|--|--|------------------------------------|--|-----------|--|
| Boring/Well No.<br><b>SB-4</b>                                       |  | Total Depth<br><b>8'</b> |  | Location<br><b>Noble Energy, Inc.<br/>Branch 1-3<br/>NENE Sec. 3, T4N, R64W, 6th PM<br/>Weld County, Colorado</b> |  |                                       |  |  |  |                                    |  |           |  |
| Project No./Name<br><b>C022-066 Noble Branch 1-3</b>                 |  |                          |  | Approved By<br><br>   |  |                                       |  |  |  |                                    |  |           |  |
| Drilling Contractor/Driller<br><b>Drill Pro / Terrence, Hayward</b>  |  |                          |  |   |  |                                       |  |  |  |                                    |  |           |  |
| Geologist/Office<br><b>Ethan Black / Fremont Environmental, Inc.</b> |  |                          |  |   |  |                                       |  |  |  |                                    |  |           |  |
| Drilling Equipment/Method<br><b>Geoprobe</b>                         |  |                          |  | Size/Type of Bit<br><b>2.5 direct push</b>  |  | Sampling Method<br><b>direct push</b> |  | Start/Finish Date<br><b>06/29/2022</b> |  |                                    |  |           |  |
| Well Installed?  |  | Casing Mtrl./Dia.        |  | Screen:   |  | Mtrl.                                 |  | Length                                 |  | Dia.                               |  | Slot Size |  |
| Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>  |  |                          |  | Type  |  |                                       |  |  |  |                                    |  |           |  |
| Elevation of:  |  | Ground Surface           |  | Top of Well Casing  |  | Top of Screen                         |  | Bottom of Screen                       |  | Ground Water Surface/Date Measured |  |           |  |
| (ft. above datum)  |  |                          |  |   |  |                                       |  |  |  |                                    |  |           |  |

[illegible]

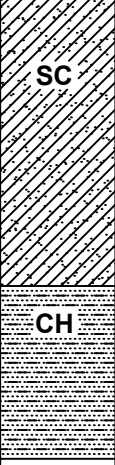





## BORING/WELL CONSTRUCTION LOG



Page 1 of 1

|  |                          |   |                                       |  |
|--|--------------------------|---|---------------------------------------|--|
| Boring/Well No.<br><b>SB-6</b>   | Total Depth<br><b>8'</b> | Location<br><b>Noble Energy, Inc.<br/>Branch 1-3<br/>NENE Sec. 3, T4N, R64W, 6th PM<br/>Weld County, Colorado</b> |                                       |  |
| Project No./Name<br><b>C022-066 Noble Branch 1-3</b>                                   |                          | Approved By   |                                       |  |
| Drilling Contractor/Driller<br><b>Drill Pro / Terrence, Hayward</b>                    |                          | Drilling Equipment/Method<br><b>Geoprobe</b>  |                                       |  |
| Geologist/Office<br><b>Ethan Black / Fremont Environmental, Inc.</b>                   |                          | Size/Type of Bit<br><b>2.5 direct push</b>  | Sampling Method<br><b>direct push</b> | Start/Finish Date<br><b>06/29/2022</b> |
| Well Installed?<br>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |                          | Casing Mtrl./Dia.   | Screen:<br>Type                       | Mtrl.                                  |
| Elevation of:<br>(ft. above datum)   |                          | Ground Surface  | Top of Well Casing                    | Top of Screen                          |
|  |                          |   | Bottom of Screen                      | Ground Water Surface/Date Measured     |

| DEPTH<br>(feet) | WELL<br>CONSTRUCTION |  |  |  | LITHOLOGY   |   | Penetration<br>Rate<br>(blows/6") | Recovery<br>(%) | Sample<br>Interval<br>(feet) | PID<br>Values<br>(ppm) |
|-----------------|----------------------|--|--|--|---|---|-----------------------------------|-----------------|------------------------------|------------------------|
|                 |                      |  |  |  | GRAPHIC<br>LOG  | VISUAL DESCRIPTION                                |                                   |                 |                              |                        |
| 5               |                      |  |  |  |   | Sandy Clay: brown, medium to fine, plastic, moist |                                   |                 |                              | 3.3                    |
|                 |                      |  |  |  |   |   |                                   |                 |                              | 49.8                   |
|                 |                      |  |  |  |   |   |                                   |                 |                              | 68.2                   |
|                 |                      |  |  |  |   |   |                                   |                 |                              | 262.2                  |
|                 |                      |  |  |  |   |   |                                   |                 |                              | 273.8                  |
| 10              |                      |  |  |  |  | Clay: gray, plastic, moist to very moist          |                                   |                 |                              | 799.2                  |
|                 |                      |  |  |  |   |   |                                   |                 |                              | 532.6                  |
|                 |                      |  |  |  |   |   |                                   |                 |                              | 332.3                  |
|                 |                      |  |  |  |   |   |                                   |                 |                              |                        |
|                 |                      |  |  |  |   |   |                                   |                 |                              |                        |
| 15              |                      |  |  |  |  | TD 8'   |                                   |                 |                              |                        |
|                 |                      |  |  |  |   |   |                                   |                 |                              |                        |
|                 |                      |  |  |  |   |   |                                   |                 |                              |                        |
|                 |                      |  |  |  |   |   |                                   |                 |                              |                        |
|                 |                      |  |  |  |   |   |                                   |                 |                              |                        |
| 20              |                      |  |  |  |  | TD 8'   |                                   |                 |                              |                        |
|                 |                      |  |  |  |   |   |                                   |                 |                              |                        |
|                 |                      |  |  |  |   |   |                                   |                 |                              |                        |
|                 |                      |  |  |  |   |   |                                   |                 |                              |                        |
|                 |                      |  |  |  |   |   |                                   |                 |                              |                        |









[illegible]

**APPENDIX B**

**SAMPLING PLAN**

# Summit Scientific

---

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

July 12, 2022

Paul Henchan  
Fremont Environmental  
PO Box 1289  
Wellington, CO 80549  
RE: Noble - Branch 1-3  
Work Order #2207025

Enclosed are the results of analyses for samples received by Summit Scientific on 07/05/22 15:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Mikayla Axtell For Paul Shrewsbury  
President



Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
07/12/22 14:17

#### ANALYTICAL REPORT FOR SAMPLES

| Sample ID   | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|-------------|---------------|--------|----------------|----------------|
| SB-1 5 ft   | 2207025-01    | Soil   | 06/29/22 00:00 | 07/05/22 15:00 |
| SB-1 8 ft   | 2207025-02    | Soil   | 06/29/22 00:00 | 07/05/22 15:00 |
| SB-1 12 ft  | 2207025-03    | Soil   | 06/29/22 00:00 | 07/05/22 15:00 |
| SB-2 2 ft   | 2207025-04    | Soil   | 06/29/22 00:00 | 07/05/22 15:00 |
| SB-2 8 ft   | 2207025-05    | Soil   | 06/29/22 00:00 | 07/05/22 15:00 |
| SB-3 4 ft   | 2207025-06    | Soil   | 06/29/22 00:00 | 07/05/22 15:00 |
| SB-3 7 ft   | 2207025-07    | Soil   | 06/29/22 00:00 | 07/05/22 15:00 |
| SB-4 4 ft   | 2207025-08    | Soil   | 06/29/22 00:00 | 07/05/22 15:00 |
| SB-4 8 ft   | 2207025-09    | Soil   | 06/29/22 00:00 | 07/05/22 15:00 |
| SB-5 6 ft   | 2207025-10    | Soil   | 06/29/22 00:00 | 07/05/22 15:00 |
| SB-5 8 ft   | 2207025-11    | Soil   | 06/29/22 00:00 | 07/05/22 15:00 |
| SB-5 12 ft  | 2207025-12    | Soil   | 06/29/22 00:00 | 07/05/22 15:00 |
| SB-6 4 ft   | 2207025-13    | Soil   | 06/29/22 00:00 | 07/05/22 15:00 |
| SB-6 8 ft   | 2207025-14    | Soil   | 06/29/22 00:00 | 07/05/22 15:00 |
| SB-7 3 ft   | 2207025-15    | Soil   | 06/29/22 00:00 | 07/05/22 15:00 |
| SB-7 8 ft   | 2207025-16    | Soil   | 06/29/22 00:00 | 07/05/22 15:00 |
| SB-8 9 ft   | 2207025-17    | Soil   | 06/29/22 00:00 | 07/05/22 15:00 |
| SB-8 12 ft  | 2207025-18    | Soil   | 06/29/22 00:00 | 07/05/22 15:00 |
| SB-9 2 ft   | 2207025-19    | Soil   | 06/29/22 00:00 | 07/05/22 15:00 |
| SB-9 8 ft   | 2207025-20    | Soil   | 06/29/22 00:00 | 07/05/22 15:00 |
| SB-10 6 ft  | 2207025-21    | Soil   | 06/29/22 00:00 | 07/05/22 15:00 |
| SB-10 12 ft | 2207025-22    | Soil   | 06/29/22 00:00 | 07/05/22 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.*

*File*  
*ang*

# Summit Scientific

S<sub>2</sub>

2207025.1

4653 Table Mountain Drive ♦ Golden, Colorado 80403

303-277-9310 ♦ 303-374-5933 (f)

Page 1 of 3

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: Erica/Dan

Phone: 303-956-8714

Project Name: Noble- Branch 1-3

Sampler Name: Black

Project Number:

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative |                  |      |       | Matrix |      |                |       | Analysis Requested |             |     |         |         |    | Special Instructions |    |       |  |
|----|--------------------|--------------|--------------|-----------------|--------------|------------------|------|-------|--------|------|----------------|-------|--------------------|-------------|-----|---------|---------|----|----------------------|----|-------|--|
|    |                    |              |              |                 | HCl          | HNO <sub>3</sub> | None | Other | Water  | Soil | Air-Canister # | Other | BTEX/TMS           | Naphthalene | GRO | DRO/GRO | SWR PAH | EC |                      | pH | Boron |  |
| 1  | SB-1 5FT           | 6/29/22      |              | 2               |              |                  | X    |       |        | X    |                |       |                    | X           | X   | X       | X       | X  |                      |    |       |  |
| 2  | SB-1 8FT           |              |              |                 |              |                  |      |       |        |      |                |       |                    |             |     |         |         |    |                      |    |       |  |
| 3  | SB-1 12FT          |              |              |                 |              |                  |      |       |        |      |                |       |                    |             |     |         |         |    |                      |    |       |  |
| 4  | SB-2 2FT           |              |              |                 |              |                  |      |       |        |      |                |       |                    |             |     |         |         |    |                      |    |       |  |
| 5  | SB-2 8FT           |              |              |                 |              |                  |      |       |        |      |                |       |                    |             |     |         |         |    |                      |    |       |  |
| 6  | SB-3 4FT           |              |              |                 |              |                  |      |       |        |      |                |       |                    |             |     |         |         |    |                      |    |       |  |
| 7  | SB-3 7FT           |              |              |                 |              |                  |      |       |        |      |                |       |                    |             |     |         |         |    |                      |    |       |  |
| 8  | SB-4 4FT           |              |              |                 |              |                  |      |       |        |      |                |       |                    |             |     |         |         |    |                      |    |       |  |
| 9  | SB-4 8FT           |              |              |                 |              |                  |      |       |        |      |                |       |                    |             |     |         |         |    |                      |    |       |  |
| 10 | SB-5 6FT           |              |              |                 |              |                  |      |       |        |      |                |       |                    |             |     |         |         |    |                      |    |       |  |

|                  |            |              |            |  |               |
|------------------|------------|--------------|------------|--|---------------|
| Relinquished by: | Date/Time: | Received by: | Date/Time: | <b>Turn Around Time</b> (Check)<br>Same Day _____ 72 hours<br>24 hours _____ Standard <input checked="" type="checkbox"/><br>48 hours _____<br><b>Sample Integrity:</b><br>Temperature Upon Receipt: <u>7.0</u><br>Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No | <b>Notes:</b> |
| Relinquished by: | Date/Time: | Received by: | Date/Time: |  |               |
| Relinquished by: | Date/Time: | Received by: | Date/Time: |  |               |

# Summit Scientific

S<sub>2</sub>

2207025.2

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

Page 2 of 3

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: Erica/Dan

Phone: 303-956-8714

Project Name: Noble Branch 1-3

Sampler Name: Black

Project Number:

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative |                  |      |       | Matrix |      |                |       | Analysis Requested |                          |     |         |     |    |    |       |           |  | Special Instructions |  |  |  |
|----|--------------------|--------------|--------------|-----------------|--------------|------------------|------|-------|--------|------|----------------|-------|--------------------|--------------------------|-----|---------|-----|----|----|-------|-----------|--|----------------------|--|--|--|
|    |                    |              |              |                 | HCl          | HNO <sub>3</sub> | None | Other | Water  | Soil | Air-Canister # | Other | GBTEXN - 915       | <del>ENVIRONMENTAL</del> | GRO | DRO/ORO | SAR | EC | pH | Boron | PAH - 915 |  |                      |  |  |  |
| 1  | SB-5 8FT           | 6/29/22      |              | 12              |              |                  | X    |       |        | X    |                |       |                    | X                        | X   |         | X   |    |    |       |           |  |                      |  |  |  |
| 2  | SB-5 12FT          |              |              |                 |              |                  |      |       |        |      |                |       |                    |                          |     |         |     |    |    |       |           |  |                      |  |  |  |
| 3  | SB-6 4FT           |              |              |                 |              |                  |      |       |        |      |                |       |                    |                          |     |         |     |    |    |       |           |  |                      |  |  |  |
| 4  | SB-6 8FT           |              |              |                 |              |                  |      |       |        |      |                |       |                    |                          |     |         |     |    |    |       |           |  |                      |  |  |  |
| 5  | SB-7 3FT           |              |              |                 |              |                  |      |       |        |      |                |       |                    |                          |     |         |     |    |    |       |           |  |                      |  |  |  |
| 6  | SB-7 8FT           |              |              |                 |              |                  |      |       |        |      |                |       |                    |                          |     |         |     |    |    |       |           |  |                      |  |  |  |
| 7  | SB-8 4FT           |              |              |                 |              |                  |      |       |        |      |                |       |                    |                          |     |         |     |    |    |       |           |  |                      |  |  |  |
| 8  | SB-8 12FT          |              |              |                 |              |                  |      |       |        |      |                |       |                    |                          |     |         |     |    |    |       |           |  |                      |  |  |  |
| 9  | SB-9 2FT           |              |              |                 |              |                  |      |       |        |      |                |       |                    |                          |     |         |     |    |    |       |           |  |                      |  |  |  |
| 10 | SB-9 8FT           |              |              |                 |              |                  |      |       |        |      |                |       |                    |                          |     |         |     |    |    |       |           |  |                      |  |  |  |

|                  |                    |              |                       |   |        |
|------------------|--------------------|--------------|-----------------------|---|--------|
| Relinquished by: | Date/Time: 6/29/22 | Received by: | Date/Time: 7:522 1500 | Turn Around Time (Check)<br>Same Day <input type="checkbox"/> 72 hours<br>24 hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/><br>48 hours <input type="checkbox"/> | Notes: |
| Relinquished by: | Date/Time:         | Received by: | Date/Time:            | Sample Integrity:<br>Temperature Upon Receipt: 7.0<br>Samples Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No   |        |
| Relinquished by: | Date/Time:         | Received by: | Date/Time:            |   |        |



# Summit Scientific

S<sub>2</sub>

2207025.3

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

Page 3 of 3

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: Erica/Dan

Phone: 303-956-8714

Project Name: Noble - Branch 1-3

Sampler Name: Black

Project Number:

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative |                  |      |       | Matrix |      |                |       | Analysis Requested |      |     |         |     |    |    |       |           |  | Special Instructions |  |  |
|----|--------------------|--------------|--------------|-----------------|--------------|------------------|------|-------|--------|------|----------------|-------|--------------------|------|-----|---------|-----|----|----|-------|-----------|--|----------------------|--|--|
|    |                    |              |              |                 | HCl          | HNO <sub>3</sub> | None | Other | Water  | Soil | Air-Canister # | Other | GBTEXN - 915       | PAHs | DDA | DRO/ORO | SAR | EC | pH | Boron | PAH - 915 |  |                      |  |  |
| 1  | SB-10 6FT          | 6/29/22      |              | 2               |              |                  | X    |       |        | X    |                |       |                    | X    | X   |         | X   |    |    |       |           |  |                      |  |  |
| 2  | SB-10 12FT         | 1            |              | 2               |              |                  | X    |       |        | X    |                |       |                    | X    | X   |         | X   |    |    |       |           |  |                      |  |  |
| 3  |                    |              |              |                 |              |                  |      |       |        |      |                |       |                    |      |     |         |     |    |    |       |           |  |                      |  |  |
| 4  |                    |              |              |                 |              |                  |      |       |        |      |                |       |                    |      |     |         |     |    |    |       |           |  |                      |  |  |
| 5  |                    |              |              |                 |              |                  |      |       |        |      |                |       |                    |      |     |         |     |    |    |       |           |  |                      |  |  |
| 6  |                    |              |              |                 |              |                  |      |       |        |      |                |       |                    |      |     |         |     |    |    |       |           |  |                      |  |  |
| 7  |                    |              |              |                 |              |                  |      |       |        |      |                |       |                    |      |     |         |     |    |    |       |           |  |                      |  |  |
| 8  |                    |              |              |                 |              |                  |      |       |        |      |                |       |                    |      |     |         |     |    |    |       |           |  |                      |  |  |
| 9  |                    |              |              |                 |              |                  |      |       |        |      |                |       |                    |      |     |         |     |    |    |       |           |  |                      |  |  |
| 10 |                    |              |              |                 |              |                  |      |       |        |      |                |       |                    |      |     |         |     |    |    |       |           |  |                      |  |  |

|                                     |                               |                                 |                             |   |        |
|-------------------------------------|-------------------------------|---------------------------------|-----------------------------|---|--------|
| Relinquished by: <u>Ethan Black</u> | Date/Time: <u>7/5/22 1135</u> | Received by: <u>[Signature]</u> | Date/Time: <u>7522 1500</u> | Turn Around Time (Check)<br>Same Day <u>    </u> 72 hours<br>24 hours <u>    </u> Standard <u>X</u><br>48 hours <u>    </u> | Notes: |
| Relinquished by:                    | Date/Time:                    | Received by:                    | Date/Time:                  | Sample Integrity:<br>Temperature Upon Receipt: <u>7.0</u><br>Samples Intact: <u>(Yes)</u> No                                |        |
| Relinquished by:                    | Date/Time:                    | Received by:                    | Date/Time:                  |   |        |

S<sub>2</sub>

3/3

2207025

## Sample Receipt Checklist

S2 Work Order#

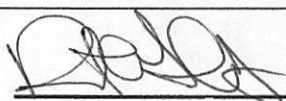
Client: Fremont Client Project ID: Nodal-Branch 1-3

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

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

Matrix (Check all that apply) Air ☐ Soil/Solid ☒ Water ☐ Other ☐Temp (°C) 7.0 Thermometer # 1

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



Custodian Printed Name

7:522

Date/Time



Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
07/12/22 14:17

**SB-1 5 ft**  
**2207025-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **06/29/22 00:00**

| Analyte                     | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene                     | 0.017  | 0.0020          | mg/kg | 1        | BFG0055 | 07/06/22 | 07/06/22 | EPA 8260B |       |
| Toluene                     | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene                | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total)             | 0.30   | 0.010           | "     | "        | "       | "        | "        | "         |       |
| 1,2,4-Trimethylbenzene      | 0.29   | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| 1,3,5-Trimethylbenzene      | 0.086  | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Naphthalene                 | 0.026  | 0.0038          | "     | "        | "       | "        | "        | "         |       |
| Gasoline Range Hydrocarbons | 9.6    | 0.50            | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

| Analyte                          | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 121 %           | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 102 %           | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 116 %           | 50-150 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/29/22 00:00**

| Analyte       | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND     | 50              | mg/kg | 1        | BFG0056 | 07/06/22 | 07/06/22 | EPA 8015M |       |
| C28-C36 (ORO) | ND     | 50              | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

| Analyte                | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl |        | 91.8 %          | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

Summit Scientific

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



Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-1 5 ft**  
**2207025-01 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **06/29/22 00:00**

| Analyte                    | Result         | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|----------------------------|----------------|-----------|-------|----------|---------|----------|----------|---------------|-------|
|                            |                | Limit     |       |          |         |          |          |               |       |
| <b>Acenaphthene</b>        | <b>0.00877</b> | 0.00500   | mg/kg | 1        | BFG0058 | 07/06/22 | 07/06/22 | 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   | "     | "        | "       | "        | "        | "             |       |
| <b>Chrysene</b>            | <b>0.00704</b> | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| Dibenz (a,h) anthracene    | ND             | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| Fluoranthene               | ND             | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>Fluorene</b>            | <b>0.0183</b>  | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| Indeno (1,2,3-cd) pyrene   | ND             | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| Pyrene                     | ND             | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>1-Methylnaphthalene</b> | <b>0.0759</b>  | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>2-Methylnaphthalene</b> | <b>0.148</b>   | 0.00500   | "     | "        | "       | "        | "        | "             |       |

Date Sampled: **06/29/22 00:00**

| Analyte                            | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                    |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 2-Methylnaphthalene-d10 |        | 92.8 %    | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        |        | 92.5 %    | 40-150 |          | "     | "        | "        | "      |       |

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-1 8 ft**  
**2207025-02 (Soil)**

**Summit Scientific**

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

Date Sampled: **06/29/22 00:00**

| Analyte                            | Result      | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|------------------------------------|-------------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|                                    |             | Limit     |       |          |         |          |          |           |       |
| <b>Benzene</b>                     | <b>0.22</b> | 0.020     | mg/kg | 10       | BFG0055 | 07/06/22 | 07/06/22 | EPA 8260B |       |
| Toluene                            | ND          | 0.050     | "     | "        | "       | "        | "        | "         |       |
| <b>Ethylbenzene</b>                | <b>1.2</b>  | 0.050     | "     | "        | "       | "        | "        | "         |       |
| <b>Xylenes (total)</b>             | <b>5.1</b>  | 0.10      | "     | "        | "       | "        | "        | "         |       |
| <b>1,2,4-Trimethylbenzene</b>      | <b>5.6</b>  | 0.050     | "     | "        | "       | "        | "        | "         |       |
| <b>1,3,5-Trimethylbenzene</b>      | <b>1.0</b>  | 0.050     | "     | "        | "       | "        | "        | "         |       |
| <b>Naphthalene</b>                 | <b>0.37</b> | 0.038     | "     | "        | "       | "        | "        | "         |       |
| <b>Gasoline Range Hydrocarbons</b> | <b>190</b>  | 5.0       | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

| Analyte                          | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                  |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 1,2-Dichloroethane-d4 |        | 117 %     | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 99.9 %    | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 174 %     | 50-150 |          | "     | "        | "        | "      | S-02  |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/29/22 00:00**

| Analyte              | Result     | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|------------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|                      |            | Limit     |       |          |         |          |          |           |       |
| <b>C10-C28 (DRO)</b> | <b>100</b> | 50        | mg/kg | 1        | BFG0056 | 07/06/22 | 07/06/22 | EPA 8015M |       |
| C28-C36 (ORO)        | ND         | 50        | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

| Analyte                | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                        |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: o-Terphenyl |        | 92.1 %    | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-1 8 ft**  
**2207025-02 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **06/29/22 00:00**

| Analyte                    | Result         | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|----------------------------|----------------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| <b>Acenaphthene</b>        | <b>0.0148</b>  | 0.00500         | mg/kg | 1        | BFG0058 | 07/06/22 | 07/06/22 | 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         | "     | "        | "       | "        | "        | "             |       |
| <b>Chrysene</b>            | <b>0.00848</b> | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Dibenz (a,h) anthracene    | ND             | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Fluoranthene               | ND             | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Fluorene</b>            | <b>0.0267</b>  | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Indeno (1,2,3-cd) pyrene   | ND             | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Pyrene                     | ND             | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>1-Methylnaphthalene</b> | <b>0.0529</b>  | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>2-Methylnaphthalene</b> | <b>0.0899</b>  | 0.00500         | "     | "        | "       | "        | "        | "             |       |

Date Sampled: **06/29/22 00:00**

| Analyte                            | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 49.8 % | 40-150          |       |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        | 97.9 % | 40-150          |       |          | "     | "        | "        | "      |       |

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-1 12 ft**  
**2207025-03 (Soil)**

**Summit Scientific**

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

Date Sampled: **06/29/22 00:00**

| Analyte                     | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|                             |        | Limit     |       |          |         |          |          |           |       |
| Benzene                     | ND     | 0.0020    | mg/kg | 1        | BFG0055 | 07/06/22 | 07/06/22 | 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: **06/29/22 00:00**

| Analyte                          | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                  |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 1,2-Dichloroethane-d4 |        | 115 %     | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 98.1 %    | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 107 %     | 50-150 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/29/22 00:00**

| Analyte       | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|               |        | Limit     |       |          |         |          |          |           |       |
| C10-C28 (DRO) | ND     | 50        | mg/kg | 1        | BFG0056 | 07/06/22 | 07/06/22 | EPA 8015M |       |
| C28-C36 (ORO) | ND     | 50        | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

| Analyte                | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                        |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: o-Terphenyl |        | 78.4 %    | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-1 12 ft**  
**2207025-03 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **06/29/22 00:00**

| Analyte                  | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|--------------------------|--------|-----------|-------|----------|---------|----------|----------|---------------|-------|
|                          |        | Limit     |       |          |         |          |          |               |       |
| Acenaphthene             | ND     | 0.00500   | mg/kg | 1        | BFG0058 | 07/06/22 | 07/07/22 | 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: **06/29/22 00:00**

| Analyte                            | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                    |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 2-Methylnaphthalene-d10 |        | 40.3 %    | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        |        | 95.3 %    | 40-150 |          | "     | "        | "        | "      |       |

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-2 2 ft**  
**2207025-04 (Soil)**

**Summit Scientific**

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

Date Sampled: **06/29/22 00:00**

| Analyte                       | Result        | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-------------------------------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene                       | ND            | 0.0020          | mg/kg | 1        | BFG0055 | 07/06/22 | 07/06/22 | EPA 8260B |       |
| Toluene                       | ND            | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene                  | ND            | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total)               | ND            | 0.010           | "     | "        | "       | "        | "        | "         |       |
| <b>1,2,4-Trimethylbenzene</b> | <b>0.0070</b> | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| 1,3,5-Trimethylbenzene        | ND            | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| <b>Naphthalene</b>            | <b>0.0051</b> | 0.0038          | "     | "        | "       | "        | "        | "         |       |
| Gasoline Range Hydrocarbons   | ND            | 0.50            | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

| Analyte                          | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 115 %           | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 101 %           | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 109 %           | 50-150 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/29/22 00:00**

| Analyte       | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND     | 50              | mg/kg | 1        | BFG0056 | 07/06/22 | 07/06/22 | EPA 8015M |       |
| C28-C36 (ORO) | ND     | 50              | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

| Analyte                | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl |        | 71.4 %          | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-2 2 ft**  
**2207025-04 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **06/29/22 00:00**

| Analyte                    | Result         | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|----------------------------|----------------|-----------|-------|----------|---------|----------|----------|---------------|-------|
|                            |                | Limit     |       |          |         |          |          |               |       |
| <b>Acenaphthene</b>        | <b>0.0351</b>  | 0.00500   | mg/kg | 1        | BFG0058 | 07/06/22 | 07/07/22 | 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   | "     | "        | "       | "        | "        | "             |       |
| <b>Chrysene</b>            | <b>0.0262</b>  | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| Dibenz (a,h) anthracene    | ND             | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>Fluoranthene</b>        | <b>0.0121</b>  | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>Fluorene</b>            | <b>0.0530</b>  | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| Indeno (1,2,3-cd) pyrene   | ND             | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>Pyrene</b>              | <b>0.00754</b> | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>1-Methylnaphthalene</b> | <b>0.246</b>   | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>2-Methylnaphthalene</b> | <b>0.132</b>   | 0.00500   | "     | "        | "       | "        | "        | "             |       |

Date Sampled: **06/29/22 00:00**

| Analyte                            | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                    |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 2-Methylnaphthalene-d10 |        | 124 %     | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        |        | 117 %     | 40-150 |          | "     | "        | "        | "      |       |

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
07/12/22 14:17

**SB-2 8 ft**  
**2207025-05 (Soil)**

**Summit Scientific**

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

Date Sampled: **06/29/22 00:00**

| Analyte                            | Result        | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|------------------------------------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| <b>Benzene</b>                     | <b>0.023</b>  | 0.0020          | mg/kg | 1        | BFG0055 | 07/06/22 | 07/07/22 | EPA 8260B |       |
| Toluene                            | ND            | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| <b>Ethylbenzene</b>                | <b>0.0090</b> | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total)                    | ND            | 0.010           | "     | "        | "       | "        | "        | "         |       |
| <b>1,2,4-Trimethylbenzene</b>      | <b>7.7</b>    | 0.050           | "     | 10       | "       | "        | 07/06/22 | "         |       |
| 1,3,5-Trimethylbenzene             | ND            | 0.0050          | "     | 1        | "       | "        | 07/07/22 | "         |       |
| <b>Naphthalene</b>                 | <b>0.90</b>   | 0.038           | "     | 10       | "       | "        | 07/06/22 | "         |       |
| <b>Gasoline Range Hydrocarbons</b> | <b>580</b>    | 5.0             | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

| Analyte                          | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 189 %           | 50-150 |          | "     | "        | "        | "      | S-02  |
| Surrogate: Toluene-d8            |        | 98.9 %          | 50-150 |          | "     | "        | 07/07/22 | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 360 %           | 50-150 |          | "     | "        | 07/06/22 | "      | S-02  |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/29/22 00:00**

| Analyte              | Result     | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| <b>C10-C28 (DRO)</b> | <b>230</b> | 50              | mg/kg | 1        | BFG0056 | 07/06/22 | 07/06/22 | EPA 8015M |       |
| C28-C36 (ORO)        | ND         | 50              | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

| Analyte                | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl |        | 87.1 %          | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-2 8 ft**  
**2207025-05 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **06/29/22 00:00**

| Analyte                    | Result         | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|----------------------------|----------------|-----------|-------|----------|---------|----------|----------|---------------|-------|
|                            |                | Limit     |       |          |         |          |          |               |       |
| <b>Acenaphthene</b>        | <b>0.0317</b>  | 0.00500   | mg/kg | 1        | BFG0058 | 07/06/22 | 07/07/22 | 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   | "     | "        | "       | "        | "        | "             |       |
| <b>Chrysene</b>            | <b>0.0199</b>  | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| Dibenz (a,h) anthracene    | ND             | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>Fluoranthene</b>        | <b>0.00973</b> | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>Fluorene</b>            | <b>0.0496</b>  | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| Indeno (1,2,3-cd) pyrene   | ND             | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>Pyrene</b>              | <b>0.00588</b> | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>1-Methylnaphthalene</b> | <b>0.333</b>   | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>2-Methylnaphthalene</b> | <b>0.186</b>   | 0.00500   | "     | "        | "       | "        | "        | "             |       |

Date Sampled: **06/29/22 00:00**

| Analyte                            | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                    |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 2-Methylnaphthalene-d10 |        | 76.9 %    | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        |        | 101 %     | 40-150 |          | "     | "        | "        | "      |       |

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-3 4 ft**  
**2207025-06 (Soil)**

**Summit Scientific**

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

Date Sampled: **06/29/22 00:00**

| Analyte                     | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|                             |        | Limit     |       |          |         |          |          |           |       |
| Benzene                     | ND     | 0.0020    | mg/kg | 1        | BFG0055 | 07/06/22 | 07/06/22 | 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: **06/29/22 00:00**

| Analyte                          | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                  |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 1,2-Dichloroethane-d4 |        | 111 %     | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 98.5 %    | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 102 %     | 50-150 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/29/22 00:00**

| Analyte       | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|               |        | Limit     |       |          |         |          |          |           |       |
| C10-C28 (DRO) | ND     | 50        | mg/kg | 1        | BFG0056 | 07/06/22 | 07/06/22 | EPA 8015M |       |
| C28-C36 (ORO) | ND     | 50        | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

| Analyte                | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                        |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: o-Terphenyl |        | 82.3 %    | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-3 4 ft**  
**2207025-06 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **06/29/22 00:00**

| Analyte                    | Result         | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|----------------------------|----------------|--------------------|-------|----------|---------|----------|----------|---------------|-------|
| <b>Acenaphthene</b>        | <b>0.00901</b> | 0.00500            | mg/kg | 1        | BFG0058 | 07/06/22 | 07/07/22 | EPA 8270D SIM |       |
| <b>Anthracene</b>          | <b>0.0825</b>  | 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            | "     | "        | "       | "        | "        | "             |       |
| <b>Chrysene</b>            | <b>0.0140</b>  | 0.00500            | "     | "        | "       | "        | "        | "             |       |
| Dibenz (a,h) anthracene    | ND             | 0.00500            | "     | "        | "       | "        | "        | "             |       |
| <b>Fluoranthene</b>        | <b>0.00784</b> | 0.00500            | "     | "        | "       | "        | "        | "             |       |
| <b>Fluorene</b>            | <b>0.0466</b>  | 0.00500            | "     | "        | "       | "        | "        | "             |       |
| Indeno (1,2,3-cd) pyrene   | ND             | 0.00500            | "     | "        | "       | "        | "        | "             |       |
| Pyrene                     | ND             | 0.00500            | "     | "        | "       | "        | "        | "             |       |
| <b>1-Methylnaphthalene</b> | <b>0.0999</b>  | 0.00500            | "     | "        | "       | "        | "        | "             |       |
| <b>2-Methylnaphthalene</b> | <b>0.0405</b>  | 0.00500            | "     | "        | "       | "        | "        | "             |       |

Date Sampled: **06/29/22 00:00**

| Analyte                            | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 |        | 46.2 %             | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        |        | 103 %              | 40-150 |          | "     | "        | "        | "      |       |

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
07/12/22 14:17

**SB-3 7 ft**  
**2207025-07 (Soil)**

**Summit Scientific**

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

Date Sampled: **06/29/22 00:00**

| Analyte                            | Result      | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|------------------------------------|-------------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|                                    |             | Limit     |       |          |         |          |          |           |       |
| <b>Benzene</b>                     | <b>0.62</b> | 0.20      | mg/kg | 100      | BFG0055 | 07/06/22 | 07/06/22 | EPA 8260B |       |
| Toluene                            | ND          | 0.0050    | "     | 1        | "       | "        | 07/07/22 | "         |       |
| <b>Ethylbenzene</b>                | <b>4.6</b>  | 0.50      | "     | 100      | "       | "        | 07/06/22 | "         |       |
| Xylenes (total)                    | ND          | 0.010     | "     | 1        | "       | "        | 07/07/22 | "         |       |
| <b>1,2,4-Trimethylbenzene</b>      | <b>39</b>   | 0.50      | "     | 100      | "       | "        | 07/06/22 | "         |       |
| 1,3,5-Trimethylbenzene             | ND          | 0.0050    | "     | 1        | "       | "        | 07/07/22 | "         |       |
| <b>Naphthalene</b>                 | <b>2.2</b>  | 0.38      | "     | 100      | "       | "        | 07/06/22 | "         |       |
| <b>Gasoline Range Hydrocarbons</b> | <b>1200</b> | 50        | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

| Analyte                          | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                  |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 1,2-Dichloroethane-d4 |        | 114 %     | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 99.3 %    | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 120 %     | 50-150 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/29/22 00:00**

| Analyte              | Result      | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|-------------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|                      |             | Limit     |       |          |         |          |          |           |       |
| <b>C10-C28 (DRO)</b> | <b>1500</b> | 50        | mg/kg | 1        | BFG0056 | 07/06/22 | 07/06/22 | EPA 8015M |       |
| <b>C28-C36 (ORO)</b> | <b>180</b>  | 50        | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

| Analyte                | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                        |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: o-Terphenyl |        | 95.9 %    | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

Summit Scientific

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



Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-3 7 ft**  
**2207025-07 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **06/29/22 00:00**

| Analyte                       | Result         | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|-------------------------------|----------------|-----------|-------|----------|---------|----------|----------|---------------|-------|
|                               |                | Limit     |       |          |         |          |          |               |       |
| <b>Acenaphthene</b>           | <b>0.0154</b>  | 0.00500   | mg/kg | 1        | BFG0058 | 07/06/22 | 07/07/22 | EPA 8270D SIM |       |
| Anthracene                    | ND             | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| Benzo (a) anthracene          | ND             | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| Benzo (a) pyrene              | ND             | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>Benzo (b) fluoranthene</b> | <b>0.00543</b> | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| Benzo (k) fluoranthene        | ND             | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>Chrysene</b>               | <b>0.0225</b>  | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| Dibenz (a,h) anthracene       | ND             | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| Fluoranthene                  | ND             | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>Fluorene</b>               | <b>0.0283</b>  | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| Indeno (1,2,3-cd) pyrene      | ND             | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| Pyrene                        | ND             | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>1-Methylnaphthalene</b>    | <b>0.108</b>   | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>2-Methylnaphthalene</b>    | <b>0.0683</b>  | 0.00500   | "     | "        | "       | "        | "        | "             |       |

Date Sampled: **06/29/22 00:00**

| Analyte                            | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                    |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 2-Methylnaphthalene-d10 |        | 61.4 %    | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        |        | 96.6 %    | 40-150 |          | "     | "        | "        | "      |       |

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-4 4 ft**  
**2207025-08 (Soil)**

**Summit Scientific**

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

Date Sampled: **06/29/22 00:00**

| Analyte                     | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|                             |        | Limit     |       |          |         |          |          |           |       |
| Benzene                     | ND     | 0.0020    | mg/kg | 1        | BFG0055 | 07/06/22 | 07/06/22 | 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: **06/29/22 00:00**

| Analyte                          | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                  |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 1,2-Dichloroethane-d4 |        | 109 %     | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 99.4 %    | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 102 %     | 50-150 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/29/22 00:00**

| Analyte       | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|               |        | Limit     |       |          |         |          |          |           |       |
| C10-C28 (DRO) | ND     | 50        | mg/kg | 1        | BFG0056 | 07/06/22 | 07/06/22 | EPA 8015M |       |
| C28-C36 (ORO) | ND     | 50        | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

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

**PAH by EPA Method 8270D SIM**

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-4 4 ft**  
**2207025-08 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **06/29/22 00:00**

| Analyte                  | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|--------------------------|--------|-----------|-------|----------|---------|----------|----------|---------------|-------|
|                          |        | Limit     |       |          |         |          |          |               |       |
| Acenaphthene             | ND     | 0.00500   | mg/kg | 1        | BFG0058 | 07/06/22 | 07/07/22 | 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: **06/29/22 00:00**

| Analyte                            | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                    |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 2-Methylnaphthalene-d10 |        | 44.8 %    | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        |        | 91.3 %    | 40-150 |          | "     | "        | "        | "      |       |

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-4 8 ft**  
**2207025-09 (Soil)**

**Summit Scientific**

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

Date Sampled: **06/29/22 00:00**

| Analyte                     | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|                             |        | Limit     |       |          |         |          |          |           |       |
| Benzene                     | ND     | 0.0020    | mg/kg | 1        | BFG0055 | 07/06/22 | 07/06/22 | 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: **06/29/22 00:00**

| Analyte                          | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                  |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 1,2-Dichloroethane-d4 |        | 122 %     | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 99.9 %    | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 100 %     | 50-150 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/29/22 00:00**

| Analyte       | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|               |        | Limit     |       |          |         |          |          |           |       |
| C10-C28 (DRO) | ND     | 50        | mg/kg | 1        | BFG0056 | 07/06/22 | 07/06/22 | EPA 8015M |       |
| C28-C36 (ORO) | ND     | 50        | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

| Analyte                | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                        |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: o-Terphenyl |        | 86.0 %    | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-4 8 ft**  
**2207025-09 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **06/29/22 00:00**

| Analyte                  | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|--------------------------|--------|-----------|-------|----------|---------|----------|----------|---------------|-------|
|                          |        | Limit     |       |          |         |          |          |               |       |
| Acenaphthene             | ND     | 0.00500   | mg/kg | 1        | BFG0058 | 07/06/22 | 07/07/22 | 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: **06/29/22 00:00**

| Analyte                            | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                    |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 2-Methylnaphthalene-d10 |        | 41.1 %    | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        |        | 89.7 %    | 40-150 |          | "     | "        | "        | "      |       |

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
07/12/22 14:17

**SB-5 6 ft**  
**2207025-10 (Soil)**

**Summit Scientific**

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

Date Sampled: **06/29/22 00:00**

| Analyte                            | Result        | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|------------------------------------|---------------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|                                    |               | Limit     |       |          |         |          |          |           |       |
| <b>Benzene</b>                     | <b>0.0064</b> | 0.0020    | mg/kg | 1        | BFG0055 | 07/06/22 | 07/06/22 | EPA 8260B |       |
| Toluene                            | ND            | 0.0050    | "     | "        | "       | "        | "        | "         |       |
| <b>Ethylbenzene</b>                | <b>0.010</b>  | 0.0050    | "     | "        | "       | "        | "        | "         |       |
| <b>Xylenes (total)</b>             | <b>0.12</b>   | 0.010     | "     | "        | "       | "        | "        | "         |       |
| <b>1,2,4-Trimethylbenzene</b>      | <b>0.63</b>   | 0.0050    | "     | "        | "       | "        | "        | "         |       |
| <b>1,3,5-Trimethylbenzene</b>      | <b>0.051</b>  | 0.0050    | "     | "        | "       | "        | "        | "         |       |
| <b>Naphthalene</b>                 | <b>0.022</b>  | 0.0038    | "     | "        | "       | "        | "        | "         |       |
| <b>Gasoline Range Hydrocarbons</b> | <b>12</b>     | 0.50      | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

| Analyte                          | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                  |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 1,2-Dichloroethane-d4 |        | 119 %     | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 101 %     | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 172 %     | 50-150 |          | "     | "        | "        | "      | S-02  |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/29/22 00:00**

| Analyte       | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|               |        | Limit     |       |          |         |          |          |           |       |
| C10-C28 (DRO) | ND     | 50        | mg/kg | 1        | BFG0056 | 07/06/22 | 07/07/22 | EPA 8015M |       |
| C28-C36 (ORO) | ND     | 50        | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

| Analyte                | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                        |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: o-Terphenyl |        | 104 %     | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-5 6 ft**  
**2207025-10 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **06/29/22 00:00**

| Analyte                    | Result         | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|----------------------------|----------------|--------------------|-------|----------|---------|----------|----------|---------------|-------|
| <b>Acenaphthene</b>        | <b>0.0127</b>  | 0.00500            | mg/kg | 1        | BFG0058 | 07/06/22 | 07/07/22 | 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            | "     | "        | "       | "        | "        | "             |       |
| <b>Chrysene</b>            | <b>0.00741</b> | 0.00500            | "     | "        | "       | "        | "        | "             |       |
| Dibenz (a,h) anthracene    | ND             | 0.00500            | "     | "        | "       | "        | "        | "             |       |
| Fluoranthene               | ND             | 0.00500            | "     | "        | "       | "        | "        | "             |       |
| <b>Fluorene</b>            | <b>0.0223</b>  | 0.00500            | "     | "        | "       | "        | "        | "             |       |
| Indeno (1,2,3-cd) pyrene   | ND             | 0.00500            | "     | "        | "       | "        | "        | "             |       |
| Pyrene                     | ND             | 0.00500            | "     | "        | "       | "        | "        | "             |       |
| <b>1-Methylnaphthalene</b> | <b>0.0213</b>  | 0.00500            | "     | "        | "       | "        | "        | "             |       |
| 2-Methylnaphthalene        | ND             | 0.00500            | "     | "        | "       | "        | "        | "             |       |

Date Sampled: **06/29/22 00:00**

| Analyte                            | Result | Reporting<br>Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 |        | 43.2 %             | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        |        | 95.1 %             | 40-150 |          | "     | "        | "        | "      |       |

Summit Scientific

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



Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
07/12/22 14:17

**SB-5 8 ft**  
**2207025-11 (Soil)**

**Summit Scientific**

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

Date Sampled: **06/29/22 00:00**

| Analyte                            | Result       | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|------------------------------------|--------------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|                                    |              | Limit     |       |          |         |          |          |           |       |
| <b>Benzene</b>                     | <b>0.020</b> | 0.0020    | mg/kg | 1        | BFG0055 | 07/06/22 | 07/06/22 | EPA 8260B |       |
| Toluene                            | ND           | 0.0050    | "     | "        | "       | "        | "        | "         |       |
| <b>Ethylbenzene</b>                | <b>0.22</b>  | 0.0050    | "     | "        | "       | "        | "        | "         |       |
| <b>Xylenes (total)</b>             | <b>2.8</b>   | 1.0       | "     | 100      | "       | "        | 07/07/22 | "         |       |
| <b>1,2,4-Trimethylbenzene</b>      | <b>5.4</b>   | 0.50      | "     | "        | "       | "        | "        | "         |       |
| <b>1,3,5-Trimethylbenzene</b>      | <b>2.1</b>   | 0.50      | "     | "        | "       | "        | "        | "         |       |
| <b>Naphthalene</b>                 | <b>0.21</b>  | 0.0038    | "     | 1        | "       | "        | 07/06/22 | "         |       |
| <b>Gasoline Range Hydrocarbons</b> | <b>130</b>   | 50        | "     | 100      | "       | "        | 07/07/22 | "         |       |

Date Sampled: **06/29/22 00:00**

| Analyte                          | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                  |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 1,2-Dichloroethane-d4 |        | 100 %     | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 102 %     | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 112 %     | 50-150 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/29/22 00:00**

| Analyte              | Result     | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|------------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|                      |            | Limit     |       |          |         |          |          |           |       |
| <b>C10-C28 (DRO)</b> | <b>120</b> | 50        | mg/kg | 1        | BFG0056 | 07/06/22 | 07/07/22 | EPA 8015M |       |
| C28-C36 (ORO)        | ND         | 50        | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

| Analyte                | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                        |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: o-Terphenyl |        | 102 %     | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-5 8 ft**  
**2207025-11 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **06/29/22 00:00**

| Analyte                    | Result        | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|----------------------------|---------------|-----------|-------|----------|---------|----------|----------|---------------|-------|
|                            |               | Limit     |       |          |         |          |          |               |       |
| <b>Acenaphthene</b>        | <b>0.0632</b> | 0.00500   | mg/kg | 1        | BFG0058 | 07/06/22 | 07/07/22 | EPA 8270D SIM |       |
| <b>Anthracene</b>          | <b>0.886</b>  | 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   | "     | "        | "       | "        | "        | "             |       |
| <b>Chrysene</b>            | <b>0.105</b>  | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| Dibenz (a,h) anthracene    | ND            | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>Fluoranthene</b>        | <b>0.0203</b> | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>Fluorene</b>            | <b>0.134</b>  | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| Indeno (1,2,3-cd) pyrene   | ND            | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| Pyrene                     | ND            | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>1-Methylnaphthalene</b> | <b>0.351</b>  | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>2-Methylnaphthalene</b> | <b>0.218</b>  | 0.00500   | "     | "        | "       | "        | "        | "             |       |

Date Sampled: **06/29/22 00:00**

| Analyte                            | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                    |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 2-Methylnaphthalene-d10 |        | 67.4 %    | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        |        | 110 %     | 40-150 |          | "     | "        | "        | "      |       |

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-5 12 ft**  
**2207025-12 (Soil)**

**Summit Scientific**

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

Date Sampled: **06/29/22 00:00**

| Analyte                       | Result        | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-------------------------------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene                       | ND            | 0.0020          | mg/kg | 1        | BFG0055 | 07/06/22 | 07/06/22 | EPA 8260B |       |
| Toluene                       | ND            | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene                  | ND            | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total)               | ND            | 0.010           | "     | "        | "       | "        | "        | "         |       |
| <b>1,2,4-Trimethylbenzene</b> | <b>0.0075</b> | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| 1,3,5-Trimethylbenzene        | ND            | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Naphthalene                   | ND            | 0.0038          | "     | "        | "       | "        | "        | "         |       |
| Gasoline Range Hydrocarbons   | ND            | 0.50            | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

| Analyte                          | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 112 %           | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 99.8 %          | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 104 %           | 50-150 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/29/22 00:00**

| Analyte       | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND     | 50              | mg/kg | 1        | BFG0056 | 07/06/22 | 07/07/22 | EPA 8015M |       |
| C28-C36 (ORO) | ND     | 50              | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

| Analyte                | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl |        | 102 %           | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-5 12 ft**  
**2207025-12 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **06/29/22 00:00**

| Analyte                  | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|--------------------------|--------|-----------|-------|----------|---------|----------|----------|---------------|-------|
|                          |        | Limit     |       |          |         |          |          |               |       |
| Acenaphthene             | ND     | 0.00500   | mg/kg | 1        | BFG0058 | 07/06/22 | 07/07/22 | 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: **06/29/22 00:00**

| Analyte                            | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                    |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 2-Methylnaphthalene-d10 |        | 44.5 %    | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        |        | 84.7 %    | 40-150 |          | "     | "        | "        | "      |       |

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-6 4 ft**  
**2207025-13 (Soil)**

**Summit Scientific**

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

Date Sampled: **06/29/22 00:00**

| Analyte                     | Result        | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene                     | ND            | 0.0020          | mg/kg | 1        | BFG0055 | 07/06/22 | 07/06/22 | EPA 8260B | R-01  |
| Toluene                     | ND            | 0.0050          | "     | "        | "       | "        | "        | "         | R-01  |
| Ethylbenzene                | ND            | 0.0050          | "     | "        | "       | "        | "        | "         | R-01  |
| Xylenes (total)             | ND            | 0.010           | "     | "        | "       | "        | "        | "         | R-01  |
| 1,2,4-Trimethylbenzene      | ND            | 0.0050          | "     | "        | "       | "        | "        | "         | R-01  |
| 1,3,5-Trimethylbenzene      | ND            | 0.0050          | "     | "        | "       | "        | "        | "         | R-01  |
| Naphthalene                 | <b>0.0094</b> | 0.0038          | "     | "        | "       | "        | "        | "         |       |
| Gasoline Range Hydrocarbons | <b>2300</b>   | 50              | "     | 100      | "       | "        | 07/07/22 | "         |       |

Date Sampled: **06/29/22 00:00**

| Analyte                          | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 100 %           | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 98.9 %          | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 273 %           | 50-150 |          | "     | "        | "        | "      | S-02  |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/29/22 00:00**

| Analyte       | Result      | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|-------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | <b>2000</b> | 50              | mg/kg | 1        | BFG0056 | 07/06/22 | 07/07/22 | EPA 8015M |       |
| C28-C36 (ORO) | <b>260</b>  | 50              | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

| Analyte                | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl |        | 89.9 %          | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-6 4 ft**  
**2207025-13 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **06/29/22 00:00**

| Analyte                  | Result        | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|--------------------------|---------------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene             | ND            | 0.00500         | mg/kg | 1        | BFG0058 | 07/06/22 | 07/07/22 | EPA 8270D SIM |       |
| <b>Anthracene</b>        | <b>0.0760</b> | 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         | "     | "        | "       | "        | "        | "             |       |
| <b>Chrysene</b>          | <b>0.0682</b> | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Dibenz (a,h) anthracene  | ND            | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Fluoranthene</b>      | <b>0.0285</b> | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Fluorene</b>          | <b>0.0282</b> | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Indeno (1,2,3-cd) pyrene | ND            | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Pyrene</b>            | <b>0.0216</b> | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| 1-Methylnaphthalene      | ND            | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| 2-Methylnaphthalene      | ND            | 0.00500         | "     | "        | "       | "        | "        | "             |       |

Date Sampled: **06/29/22 00:00**

| Analyte                            | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 |        | 99.7 %          | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        |        | 110 %           | 40-150 |          | "     | "        | "        | "      |       |

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
07/12/22 14:17

**SB-6 8 ft**  
**2207025-14 (Soil)**

**Summit Scientific**

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

Date Sampled: **06/29/22 00:00**

| Analyte                            | Result      | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|------------------------------------|-------------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|                                    |             | Limit     |       |          |         |          |          |           |       |
| <b>Benzene</b>                     | <b>0.11</b> | 0.0020    | mg/kg | 1        | BFG0055 | 07/06/22 | 07/07/22 | EPA 8260B |       |
| Toluene                            | ND          | 0.0050    | "     | "        | "       | "        | "        | "         |       |
| <b>Ethylbenzene</b>                | <b>2.9</b>  | 0.50      | "     | 100      | "       | "        | 07/06/22 | "         |       |
| Xylenes (total)                    | ND          | 0.010     | "     | 1        | "       | "        | 07/07/22 | "         |       |
| <b>1,2,4-Trimethylbenzene</b>      | <b>35</b>   | 0.50      | "     | 100      | "       | "        | 07/06/22 | "         |       |
| 1,3,5-Trimethylbenzene             | ND          | 0.0050    | "     | 1        | "       | "        | 07/07/22 | "         |       |
| <b>Naphthalene</b>                 | <b>1.8</b>  | 0.38      | "     | 100      | "       | "        | 07/06/22 | "         |       |
| <b>Gasoline Range Hydrocarbons</b> | <b>990</b>  | 50        | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

| Analyte                          | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                  |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 1,2-Dichloroethane-d4 |        | 105 %     | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 98.8 %    | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 121 %     | 50-150 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/29/22 00:00**

| Analyte              | Result     | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|------------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|                      |            | Limit     |       |          |         |          |          |           |       |
| <b>C10-C28 (DRO)</b> | <b>710</b> | 50        | mg/kg | 1        | BFG0056 | 07/06/22 | 07/07/22 | EPA 8015M |       |
| <b>C28-C36 (ORO)</b> | <b>99</b>  | 50        | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

| Analyte                | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                        |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: o-Terphenyl |        | 100 %     | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

Summit Scientific

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



Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-6 8 ft**  
**2207025-14 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **06/29/22 00:00**

| Analyte                    | Result        | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|----------------------------|---------------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| <b>Acenaphthene</b>        | <b>0.0557</b> | 0.00500         | mg/kg | 1        | BFG0058 | 07/06/22 | 07/07/22 | 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         | "     | "        | "       | "        | "        | "             |       |
| <b>Chrysene</b>            | <b>0.0348</b> | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Dibenz (a,h) anthracene    | ND            | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Fluoranthene               | ND            | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Fluorene</b>            | <b>0.0681</b> | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Indeno (1,2,3-cd) pyrene   | ND            | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Pyrene</b>              | <b>0.0140</b> | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>1-Methylnaphthalene</b> | <b>0.0997</b> | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>2-Methylnaphthalene</b> | <b>0.155</b>  | 0.00500         | "     | "        | "       | "        | "        | "             |       |

Date Sampled: **06/29/22 00:00**

| Analyte                            | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 72.9 % | 40-150          |       |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        | 117 %  | 40-150          |       |          | "     | "        | "        | "      |       |

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-7 3 ft**  
**2207025-15 (Soil)**

**Summit Scientific**

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

Date Sampled: **06/29/22 00:00**

| Analyte                            | Result       | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|------------------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene                            | ND           | 0.0020          | mg/kg | 1        | BFG0055 | 07/06/22 | 07/07/22 | EPA 8260B |       |
| Toluene                            | ND           | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene                       | ND           | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total)                    | ND           | 0.010           | "     | "        | "       | "        | "        | "         |       |
| <b>1,2,4-Trimethylbenzene</b>      | <b>0.45</b>  | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| 1,3,5-Trimethylbenzene             | ND           | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| <b>Naphthalene</b>                 | <b>0.015</b> | 0.0038          | "     | "        | "       | "        | "        | "         |       |
| <b>Gasoline Range Hydrocarbons</b> | <b>24</b>    | 0.50            | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

| Analyte                          | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 104 %           | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 102 %           | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 240 %           | 50-150 |          | "     | "        | "        | "      | S-02  |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/29/22 00:00**

| Analyte              | Result    | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|-----------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| <b>C10-C28 (DRO)</b> | <b>79</b> | 50              | mg/kg | 1        | BFG0056 | 07/06/22 | 07/07/22 | EPA 8015M |       |
| C28-C36 (ORO)        | ND        | 50              | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

| Analyte                | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl |        | 88.1 %          | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

Summit Scientific

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



Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-7 3 ft**  
**2207025-15 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **06/29/22 00:00**

| Analyte                       | Result         | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|-------------------------------|----------------|-----------|-------|----------|---------|----------|----------|---------------|-------|
|                               |                | Limit     |       |          |         |          |          |               |       |
| <b>Acenaphthene</b>           | <b>0.0156</b>  | 0.00500   | mg/kg | 1        | BFG0058 | 07/06/22 | 07/07/22 | EPA 8270D SIM |       |
| Anthracene                    | ND             | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| Benzo (a) anthracene          | ND             | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| Benzo (a) pyrene              | ND             | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>Benzo (b) fluoranthene</b> | <b>0.00598</b> | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| Benzo (k) fluoranthene        | ND             | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>Chrysene</b>               | <b>0.0228</b>  | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| Dibenz (a,h) anthracene       | ND             | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| Fluoranthene                  | ND             | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>Fluorene</b>               | <b>0.0288</b>  | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| Indeno (1,2,3-cd) pyrene      | ND             | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| Pyrene                        | ND             | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>1-Methylnaphthalene</b>    | <b>0.105</b>   | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>2-Methylnaphthalene</b>    | <b>0.0699</b>  | 0.00500   | "     | "        | "       | "        | "        | "             |       |

Date Sampled: **06/29/22 00:00**

| Analyte                            | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                    |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 2-Methylnaphthalene-d10 |        | 60.1 %    | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        |        | 103 %     | 40-150 |          | "     | "        | "        | "      |       |

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
07/12/22 14:17

**SB-7 8 ft**  
**2207025-16 (Soil)**

**Summit Scientific**

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

Date Sampled: **06/29/22 00:00**

| Analyte                            | Result        | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|------------------------------------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| <b>Benzene</b>                     | <b>0.0052</b> | 0.0020          | mg/kg | 1        | BFG0055 | 07/06/22 | 07/07/22 | EPA 8260B |       |
| Toluene                            | ND            | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| <b>Ethylbenzene</b>                | <b>0.017</b>  | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total)                    | ND            | 0.010           | "     | "        | "       | "        | "        | "         |       |
| <b>1,2,4-Trimethylbenzene</b>      | <b>0.066</b>  | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| 1,3,5-Trimethylbenzene             | ND            | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| <b>Naphthalene</b>                 | <b>0.012</b>  | 0.0038          | "     | "        | "       | "        | "        | "         |       |
| <b>Gasoline Range Hydrocarbons</b> | <b>58</b>     | 0.50            | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 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  |        | 267 %           | 50-150 |          | "     | "        | "        | "      | S-02  |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/29/22 00:00**

| Analyte              | Result     | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| <b>C10-C28 (DRO)</b> | <b>240</b> | 50              | mg/kg | 1        | BFG0056 | 07/06/22 | 07/07/22 | EPA 8015M |       |
| C28-C36 (ORO)        | ND         | 50              | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

| Analyte                | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl |        | 92.3 %          | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-7 8 ft**  
**2207025-16 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **06/29/22 00:00**

| Analyte                    | Result        | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|----------------------------|---------------|-----------|-------|----------|---------|----------|----------|---------------|-------|
|                            |               | Limit     |       |          |         |          |          |               |       |
| <b>Acenaphthene</b>        | <b>0.0201</b> | 0.00500   | mg/kg | 1        | BFG0058 | 07/06/22 | 07/07/22 | 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   | "     | "        | "       | "        | "        | "             |       |
| <b>Chrysene</b>            | <b>0.0397</b> | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| Dibenz (a,h) anthracene    | ND            | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>Fluoranthene</b>        | <b>0.0183</b> | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>Fluorene</b>            | <b>0.0879</b> | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| Indeno (1,2,3-cd) pyrene   | ND            | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>Pyrene</b>              | <b>0.0153</b> | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>1-Methylnaphthalene</b> | <b>0.171</b>  | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>2-Methylnaphthalene</b> | <b>0.192</b>  | 0.00500   | "     | "        | "       | "        | "        | "             |       |

Date Sampled: **06/29/22 00:00**

| Analyte                            | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                    |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 2-Methylnaphthalene-d10 |        | 58.1 %    | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        |        | 116 %     | 40-150 |          | "     | "        | "        | "      |       |

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-8 9 ft**  
**2207025-17 (Soil)**

**Summit Scientific**

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

Date Sampled: **06/29/22 00:00**

| Analyte                     | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|                             |        | Limit     |       |          |         |          |          |           |       |
| Benzene                     | ND     | 0.0020    | mg/kg | 1        | BFG0055 | 07/06/22 | 07/07/22 | 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: **06/29/22 00:00**

| Analyte                          | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                  |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 1,2-Dichloroethane-d4 |        | 103 %     | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 102 %     | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 125 %     | 50-150 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/29/22 00:00**

| Analyte       | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|               |        | Limit     |       |          |         |          |          |           |       |
| C10-C28 (DRO) | 57     | 50        | mg/kg | 1        | BFG0056 | 07/06/22 | 07/07/22 | EPA 8015M |       |
| C28-C36 (ORO) | ND     | 50        | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

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

**PAH by EPA Method 8270D SIM**

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-8 9 ft**  
**2207025-17 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **06/29/22 00:00**

| Analyte                  | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|--------------------------|--------|-----------|-------|----------|---------|----------|----------|---------------|-------|
|                          |        | Limit     |       |          |         |          |          |               |       |
| Acenaphthene             | ND     | 0.00500   | mg/kg | 1        | BFG0058 | 07/06/22 | 07/07/22 | 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: **06/29/22 00:00**

| Analyte                            | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                    |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 2-Methylnaphthalene-d10 |        | 43.8 %    | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        |        | 104 %     | 40-150 |          | "     | "        | "        | "      |       |

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-8 12 ft**  
**2207025-18 (Soil)**

**Summit Scientific**

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

Date Sampled: **06/29/22 00:00**

| Analyte                     | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|                             |        | Limit     |       |          |         |          |          |           |       |
| Benzene                     | ND     | 0.0020    | mg/kg | 1        | BFG0055 | 07/06/22 | 07/07/22 | 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: **06/29/22 00:00**

| Analyte                          | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                  |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 1,2-Dichloroethane-d4 |        | 98.0 %    | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 98.7 %    | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 108 %     | 50-150 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/29/22 00:00**

| Analyte       | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|               |        | Limit     |       |          |         |          |          |           |       |
| C10-C28 (DRO) | ND     | 50        | mg/kg | 1        | BFG0056 | 07/06/22 | 07/07/22 | EPA 8015M |       |
| C28-C36 (ORO) | ND     | 50        | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

| Analyte                | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                        |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: o-Terphenyl |        | 87.1 %    | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
07/12/22 14:17

**SB-8 12 ft**  
**2207025-18 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **06/29/22 00:00**

| Analyte                  | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|--------------------------|--------|-----------|-------|----------|---------|----------|----------|---------------|-------|
|                          |        | Limit     |       |          |         |          |          |               |       |
| Acenaphthene             | ND     | 0.00500   | mg/kg | 1        | BFG0058 | 07/06/22 | 07/07/22 | 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: **06/29/22 00:00**

| Analyte                            | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                    |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 2-Methylnaphthalene-d10 |        | 43.6 %    | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        |        | 99.4 %    | 40-150 |          | "     | "        | "        | "      |       |

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-9 2 ft**  
**2207025-19 (Soil)**

**Summit Scientific**

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

Date Sampled: **06/29/22 00:00**

| Analyte                            | Result        | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|------------------------------------|---------------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|                                    |               | Limit     |       |          |         |          |          |           |       |
| <b>Benzene</b>                     | <b>0.0087</b> | 0.0020    | mg/kg | 1        | BFG0055 | 07/06/22 | 07/07/22 | EPA 8260B |       |
| Toluene                            | ND            | 0.0050    | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene                       | ND            | 0.0050    | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total)                    | ND            | 0.010     | "     | "        | "       | "        | "        | "         |       |
| 1,2,4-Trimethylbenzene             | ND            | 0.0050    | "     | "        | "       | "        | "        | "         |       |
| <b>1,3,5-Trimethylbenzene</b>      | <b>0.0079</b> | 0.0050    | "     | "        | "       | "        | "        | "         |       |
| Naphthalene                        | ND            | 0.0038    | "     | "        | "       | "        | "        | "         |       |
| <b>Gasoline Range Hydrocarbons</b> | <b>8.4</b>    | 0.50      | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

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

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/29/22 00:00**

| Analyte              | Result     | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|------------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|                      |            | Limit     |       |          |         |          |          |           |       |
| <b>C10-C28 (DRO)</b> | <b>190</b> | 50        | mg/kg | 1        | BFG0056 | 07/06/22 | 07/07/22 | EPA 8015M |       |
| C28-C36 (ORO)        | ND         | 50        | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

| Analyte                | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                        |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: o-Terphenyl |        | 90.2 %    | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

Summit Scientific

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



Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-9 2 ft**  
**2207025-19 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **06/29/22 00:00**

| Analyte                       | Result         | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|-------------------------------|----------------|-----------|-------|----------|---------|----------|----------|---------------|-------|
|                               |                | Limit     |       |          |         |          |          |               |       |
| Acenaphthene                  | ND             | 0.00500   | mg/kg | 1        | BFG0058 | 07/06/22 | 07/07/22 | EPA 8270D SIM |       |
| Anthracene                    | ND             | 0.100     | "     | 20       | "       | "        | 07/07/22 | "             |       |
| Benzo (a) anthracene          | ND             | 0.100     | "     | "        | "       | "        | "        | "             |       |
| <b>Benzo (a) pyrene</b>       | <b>0.0141</b>  | 0.00500   | "     | 1        | "       | "        | 07/07/22 | "             |       |
| <b>Benzo (b) fluoranthene</b> | <b>0.00957</b> | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| Benzo (k) fluoranthene        | ND             | 0.100     | "     | 20       | "       | "        | 07/07/22 | "             |       |
| Chrysene                      | ND             | 0.100     | "     | "        | "       | "        | "        | "             |       |
| Dibenz (a,h) anthracene       | ND             | 0.100     | "     | "        | "       | "        | "        | "             |       |
| Fluoranthene                  | ND             | 0.100     | "     | "        | "       | "        | "        | "             |       |
| <b>Fluorene</b>               | <b>0.401</b>   | 0.100     | "     | "        | "       | "        | "        | "             |       |
| Indeno (1,2,3-cd) pyrene      | ND             | 0.100     | "     | "        | "       | "        | "        | "             |       |
| Pyrene                        | ND             | 0.100     | "     | "        | "       | "        | "        | "             |       |
| <b>1-Methylnaphthalene</b>    | <b>3.54</b>    | 0.100     | "     | "        | "       | "        | "        | "             |       |
| <b>2-Methylnaphthalene</b>    | <b>3.50</b>    | 0.100     | "     | "        | "       | "        | "        | "             |       |

Date Sampled: **06/29/22 00:00**

| Analyte                            | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                    |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 2-Methylnaphthalene-d10 |        | 79.1 %    | 40-150 |          | "     | "        | 07/07/22 | "      |       |
| Surrogate: Fluoranthene-d10        |        | 196 %     | 40-150 |          | "     | "        | "        | "      | S-02  |

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-9 8 ft**  
**2207025-20 (Soil)**

**Summit Scientific**

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

Date Sampled: **06/29/22 00:00**

| Analyte                            | Result       | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|------------------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene                            | ND           | 0.0020          | mg/kg | 1        | BFG0055 | 07/06/22 | 07/07/22 | EPA 8260B |       |
| Toluene                            | ND           | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| <b>Ethylbenzene</b>                | <b>0.023</b> | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total)                    | ND           | 0.010           | "     | "        | "       | "        | "        | "         |       |
| <b>1,2,4-Trimethylbenzene</b>      | <b>0.018</b> | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| 1,3,5-Trimethylbenzene             | ND           | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| <b>Naphthalene</b>                 | <b>0.011</b> | 0.0038          | "     | "        | "       | "        | "        | "         |       |
| <b>Gasoline Range Hydrocarbons</b> | <b>25</b>    | 0.50            | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

| Analyte                          | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 137 %           | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 98.6 %          | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 199 %           | 50-150 |          | "     | "        | "        | "      | S-02  |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/29/22 00:00**

| Analyte              | Result     | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| <b>C10-C28 (DRO)</b> | <b>160</b> | 50              | mg/kg | 1        | BFG0056 | 07/06/22 | 07/07/22 | EPA 8015M |       |
| C28-C36 (ORO)        | ND         | 50              | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

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

**PAH by EPA Method 8270D SIM**

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-9 8 ft**  
**2207025-20 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **06/29/22 00:00**

| Analyte                    | Result         | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|----------------------------|----------------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| <b>Acenaphthene</b>        | <b>0.0326</b>  | 0.00500         | mg/kg | 1        | BFG0058 | 07/06/22 | 07/07/22 | 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         | "     | "        | "       | "        | "        | "             |       |
| <b>Chrysene</b>            | <b>0.0219</b>  | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Dibenz (a,h) anthracene    | ND             | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Fluoranthene</b>        | <b>0.0115</b>  | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Fluorene</b>            | <b>0.0518</b>  | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Indeno (1,2,3-cd) pyrene   | ND             | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Pyrene</b>              | <b>0.00735</b> | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>1-Methylnaphthalene</b> | <b>0.322</b>   | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>2-Methylnaphthalene</b> | <b>0.171</b>   | 0.00500         | "     | "        | "       | "        | "        | "             |       |

Date Sampled: **06/29/22 00:00**

| Analyte                            | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 |        | 106 %           | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        |        | 119 %           | 40-150 |          | "     | "        | "        | "      |       |

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-10 6 ft**  
**2207025-21 (Soil)**

**Summit Scientific**

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

Date Sampled: **06/29/22 00:00**

| Analyte                     | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|                             |        | Limit     |       |          |         |          |          |           |       |
| Benzene                     | ND     | 0.0020    | mg/kg | 1        | BFG0053 | 07/06/22 | 07/07/22 | 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: **06/29/22 00:00**

| Analyte                          | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                  |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 1,2-Dichloroethane-d4 |        | 107 %     | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 105 %     | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 106 %     | 50-150 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/29/22 00:00**

| Analyte       | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|               |        | Limit     |       |          |         |          |          |           |       |
| C10-C28 (DRO) | 190    | 50        | mg/kg | 1        | BFG0054 | 07/06/22 | 07/07/22 | EPA 8015M |       |
| C28-C36 (ORO) | ND     | 50        | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

| Analyte                | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                        |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: o-Terphenyl |        | 51.6 %    | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-10 6 ft**  
**2207025-21 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **06/29/22 00:00**

| Analyte                    | Result        | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|----------------------------|---------------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene               | ND            | 0.00500         | mg/kg | 1        | BFG0057 | 07/06/22 | 07/07/22 | 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         | "     | "        | "       | "        | "        | "             |       |
| <b>Chrysene</b>            | <b>0.0138</b> | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Dibenz (a,h) anthracene    | ND            | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Fluoranthene               | ND            | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Fluorene</b>            | <b>0.0273</b> | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Indeno (1,2,3-cd) pyrene   | ND            | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Pyrene                     | ND            | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>1-Methylnaphthalene</b> | <b>0.0246</b> | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| 2-Methylnaphthalene        | ND            | 0.00500         | "     | "        | "       | "        | "        | "             |       |

Date Sampled: **06/29/22 00:00**

| Analyte                            | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 |        | 56.4 %          | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        |        | 114 %           | 40-150 |          | "     | "        | "        | "      |       |

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henehan

**Reported:**  
07/12/22 14:17

**SB-10 12 ft**  
**2207025-22 (Soil)**

**Summit Scientific**

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

Date Sampled: **06/29/22 00:00**

| Analyte                            | Result     | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|------------------------------------|------------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|                                    |            | Limit     |       |          |         |          |          |           |       |
| Benzene                            | ND         | 0.0020    | mg/kg | 1        | BFG0053 | 07/06/22 | 07/07/22 | 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    | "     | "        | "       | "        | "        | "         |       |
| <b>Gasoline Range Hydrocarbons</b> | <b>2.2</b> | 0.50      | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

| Analyte                          | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                  |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 1,2-Dichloroethane-d4 |        | 113 %     | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 105 %     | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 106 %     | 50-150 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/29/22 00:00**

| Analyte       | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|               |        | Limit     |       |          |         |          |          |           |       |
| C10-C28 (DRO) | ND     | 50        | mg/kg | 1        | BFG0054 | 07/06/22 | 07/07/22 | EPA 8015M |       |
| C28-C36 (ORO) | ND     | 50        | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **06/29/22 00:00**

| Analyte                | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                        |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: o-Terphenyl |        | 47.4 %    | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
07/12/22 14:17

**SB-10 12 ft**  
**2207025-22 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **06/29/22 00:00**

| Analyte                  | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|--------------------------|--------|-----------|-------|----------|---------|----------|----------|---------------|-------|
|                          |        | Limit     |       |          |         |          |          |               |       |
| Acenaphthene             | ND     | 0.00500   | mg/kg | 1        | BFG0057 | 07/06/22 | 07/07/22 | 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: **06/29/22 00:00**

| Analyte                            | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                    |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 2-Methylnaphthalene-d10 |        | 59.3 %    | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        |        | 57.8 %    | 40-150 |          | "     | "        | "        | "      |       |

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
07/12/22 14:17

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

### Summit Scientific

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

#### Batch BFG0053 - EPA 5030 Soil MS

##### Blank (BFG0053-BLK1)

Prepared & Analyzed: 07/06/22

|                                  |        |        |       |        |  |     |        |  |  |  |
|----------------------------------|--------|--------|-------|--------|--|-----|--------|--|--|--|
| 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   | "     |        |  |     |        |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0426 |        | "     | 0.0400 |  | 106 | 50-150 |  |  |  |
| Surrogate: Toluene-d8            | 0.0418 |        | "     | 0.0400 |  | 104 | 50-150 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 0.0417 |        | "     | 0.0400 |  | 104 | 50-150 |  |  |  |

##### LCS (BFG0053-BS1)

Prepared & Analyzed: 07/06/22

|                                  |        |        |       |        |  |      |        |  |  |  |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Benzene                          | 0.167  | 0.0020 | mg/kg | 0.150  |  | 111  | 70-130 |  |  |  |
| Toluene                          | 0.167  | 0.0050 | "     | 0.150  |  | 111  | 70-130 |  |  |  |
| Ethylbenzene                     | 0.152  | 0.0050 | "     | 0.150  |  | 101  | 70-130 |  |  |  |
| m,p-Xylene                       | 0.286  | 0.010  | "     | 0.300  |  | 95.5 | 70-130 |  |  |  |
| o-Xylene                         | 0.140  | 0.0050 | "     | 0.150  |  | 93.2 | 70-130 |  |  |  |
| 1,2,4-Trimethylbenzene           | 0.145  | 0.0050 | "     | 0.150  |  | 96.3 | 70-130 |  |  |  |
| 1,3,5-Trimethylbenzene           | 0.144  | 0.0050 | "     | 0.150  |  | 96.3 | 70-130 |  |  |  |
| Naphthalene                      | 0.157  | 0.0038 | "     | 0.150  |  | 104  | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0418 |        | "     | 0.0400 |  | 105  | 50-150 |  |  |  |
| Surrogate: Toluene-d8            | 0.0417 |        | "     | 0.0400 |  | 104  | 50-150 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 0.0408 |        | "     | 0.0400 |  | 102  | 50-150 |  |  |  |

##### Matrix Spike (BFG0053-MS1)

Source: 2206523-01

Prepared & Analyzed: 07/06/22

|                                  |        |        |       |        |    |      |        |  |  |  |
|----------------------------------|--------|--------|-------|--------|----|------|--------|--|--|--|
| Benzene                          | 0.156  | 0.0020 | mg/kg | 0.150  | ND | 104  | 70-130 |  |  |  |
| Toluene                          | 0.153  | 0.0050 | "     | 0.150  | ND | 102  | 70-130 |  |  |  |
| Ethylbenzene                     | 0.145  | 0.0050 | "     | 0.150  | ND | 97.0 | 70-130 |  |  |  |
| m,p-Xylene                       | 0.273  | 0.010  | "     | 0.300  | ND | 91.0 | 70-130 |  |  |  |
| o-Xylene                         | 0.135  | 0.0050 | "     | 0.150  | ND | 90.2 | 70-130 |  |  |  |
| 1,2,4-Trimethylbenzene           | 0.138  | 0.0050 | "     | 0.150  | ND | 92.1 | 70-130 |  |  |  |
| 1,3,5-Trimethylbenzene           | 0.137  | 0.0050 | "     | 0.150  | ND | 91.3 | 70-130 |  |  |  |
| Naphthalene                      | 0.153  | 0.0038 | "     | 0.150  | ND | 102  | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0398 |        | "     | 0.0400 |    | 99.6 | 50-150 |  |  |  |
| Surrogate: Toluene-d8            | 0.0414 |        | "     | 0.0400 |    | 104  | 50-150 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 0.0410 |        | "     | 0.0400 |    | 103  | 50-150 |  |  |  |

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
07/12/22 14:17

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**Summit Scientific**

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

**Batch BFG0053 - EPA 5030 Soil MS**

| Matrix Spike Dup (BFG0053-MSD1)  |        |        | Source: 2206523-01 |        | Prepared & Analyzed: 07/06/22 |      |        |      |    |  |
|----------------------------------|--------|--------|--------------------|--------|-------------------------------|------|--------|------|----|--|
| Benzene                          | 0.150  | 0.0020 | mg/kg              | 0.150  | ND                            | 100  | 70-130 | 3.92 | 30 |  |
| Toluene                          | 0.149  | 0.0050 | "                  | 0.150  | ND                            | 99.6 | 70-130 | 2.58 | 30 |  |
| Ethylbenzene                     | 0.143  | 0.0050 | "                  | 0.150  | ND                            | 95.1 | 70-130 | 1.89 | 30 |  |
| m,p-Xylene                       | 0.267  | 0.010  | "                  | 0.300  | ND                            | 89.0 | 70-130 | 2.30 | 30 |  |
| o-Xylene                         | 0.130  | 0.0050 | "                  | 0.150  | ND                            | 86.9 | 70-130 | 3.73 | 30 |  |
| 1,2,4-Trimethylbenzene           | 0.135  | 0.0050 | "                  | 0.150  | ND                            | 89.9 | 70-130 | 2.37 | 30 |  |
| 1,3,5-Trimethylbenzene           | 0.135  | 0.0050 | "                  | 0.150  | ND                            | 89.8 | 70-130 | 1.66 | 30 |  |
| Naphthalene                      | 0.146  | 0.0038 | "                  | 0.150  | ND                            | 97.6 | 70-130 | 4.15 | 30 |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0403 |        | "                  | 0.0400 |                               | 101  | 50-150 |      |    |  |
| Surrogate: Toluene-d8            | 0.0413 |        | "                  | 0.0400 |                               | 103  | 50-150 |      |    |  |
| Surrogate: 4-Bromofluorobenzene  | 0.0413 |        | "                  | 0.0400 |                               | 103  | 50-150 |      |    |  |

**Batch BFG0055 - EPA 5030 Soil MS**

| Blank (BFG0055-BLK1)             |        |        | Prepared & Analyzed: 07/06/22 |        |  |      |        |  |  |  |
|----------------------------------|--------|--------|-------------------------------|--------|--|------|--------|--|--|--|
| 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   | "                             |        |  |      |        |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0424 |        | "                             | 0.0400 |  | 106  | 50-150 |  |  |  |
| Surrogate: Toluene-d8            | 0.0395 |        | "                             | 0.0400 |  | 98.8 | 50-150 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 0.0392 |        | "                             | 0.0400 |  | 98.0 | 50-150 |  |  |  |

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
07/12/22 14:17

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

### Summit Scientific

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

#### Batch BFG0055 - EPA 5030 Soil MS

##### LCS (BFG0055-BS1)

Prepared & Analyzed: 07/06/22

|                                  |        |        |       |        |  |      |        |  |  |  |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Benzene                          | 0.0764 | 0.0020 | mg/kg | 0.0750 |  | 102  | 70-130 |  |  |  |
| Toluene                          | 0.0773 | 0.0050 | "     | 0.0750 |  | 103  | 70-130 |  |  |  |
| Ethylbenzene                     | 0.0786 | 0.0050 | "     | 0.0750 |  | 105  | 70-130 |  |  |  |
| m,p-Xylene                       | 0.164  | 0.010  | "     | 0.150  |  | 109  | 70-130 |  |  |  |
| o-Xylene                         | 0.0784 | 0.0050 | "     | 0.0750 |  | 104  | 70-130 |  |  |  |
| 1,2,4-Trimethylbenzene           | 0.0776 | 0.0050 | "     | 0.0750 |  | 103  | 70-130 |  |  |  |
| 1,3,5-Trimethylbenzene           | 0.0774 | 0.0050 | "     | 0.0750 |  | 103  | 70-130 |  |  |  |
| Naphthalene                      | 0.0713 | 0.0038 | "     | 0.0750 |  | 95.1 | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0444 |        | "     | 0.0400 |  | 111  | 50-150 |  |  |  |
| Surrogate: Toluene-d8            | 0.0402 |        | "     | 0.0400 |  | 100  | 50-150 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 0.0408 |        | "     | 0.0400 |  | 102  | 50-150 |  |  |  |

##### Matrix Spike (BFG0055-MS1)

Source: 2207025-03

Prepared & Analyzed: 07/06/22

|                                  |        |        |       |        |    |     |        |  |  |  |
|----------------------------------|--------|--------|-------|--------|----|-----|--------|--|--|--|
| Benzene                          | 0.0762 | 0.0020 | mg/kg | 0.0750 | ND | 102 | 70-130 |  |  |  |
| Toluene                          | 0.0785 | 0.0050 | "     | 0.0750 | ND | 105 | 70-130 |  |  |  |
| Ethylbenzene                     | 0.0783 | 0.0050 | "     | 0.0750 | ND | 104 | 70-130 |  |  |  |
| m,p-Xylene                       | 0.163  | 0.010  | "     | 0.150  | ND | 109 | 70-130 |  |  |  |
| o-Xylene                         | 0.0786 | 0.0050 | "     | 0.0750 | ND | 105 | 70-130 |  |  |  |
| 1,2,4-Trimethylbenzene           | 0.0794 | 0.0050 | "     | 0.0750 | ND | 106 | 70-130 |  |  |  |
| 1,3,5-Trimethylbenzene           | 0.0788 | 0.0050 | "     | 0.0750 | ND | 105 | 70-130 |  |  |  |
| Naphthalene                      | 0.0841 | 0.0038 | "     | 0.0750 | ND | 112 | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0460 |        | "     | 0.0400 |    | 115 | 50-150 |  |  |  |
| Surrogate: Toluene-d8            | 0.0403 |        | "     | 0.0400 |    | 101 | 50-150 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 0.0418 |        | "     | 0.0400 |    | 105 | 50-150 |  |  |  |

##### Matrix Spike Dup (BFG0055-MSD1)

Source: 2207025-03

Prepared & Analyzed: 07/06/22

|                                  |        |        |       |        |    |     |        |       |    |  |
|----------------------------------|--------|--------|-------|--------|----|-----|--------|-------|----|--|
| Benzene                          | 0.0759 | 0.0020 | mg/kg | 0.0750 | ND | 101 | 70-130 | 0.473 | 30 |  |
| Toluene                          | 0.0789 | 0.0050 | "     | 0.0750 | ND | 105 | 70-130 | 0.534 | 30 |  |
| Ethylbenzene                     | 0.0806 | 0.0050 | "     | 0.0750 | ND | 108 | 70-130 | 2.94  | 30 |  |
| m,p-Xylene                       | 0.167  | 0.010  | "     | 0.150  | ND | 111 | 70-130 | 2.56  | 30 |  |
| o-Xylene                         | 0.0790 | 0.0050 | "     | 0.0750 | ND | 105 | 70-130 | 0.533 | 30 |  |
| 1,2,4-Trimethylbenzene           | 0.0808 | 0.0050 | "     | 0.0750 | ND | 108 | 70-130 | 1.65  | 30 |  |
| 1,3,5-Trimethylbenzene           | 0.0803 | 0.0050 | "     | 0.0750 | ND | 107 | 70-130 | 1.92  | 30 |  |
| Naphthalene                      | 0.0802 | 0.0038 | "     | 0.0750 | ND | 107 | 70-130 | 4.71  | 30 |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0435 |        | "     | 0.0400 |    | 109 | 50-150 |       |    |  |
| Surrogate: Toluene-d8            | 0.0409 |        | "     | 0.0400 |    | 102 | 50-150 |       |    |  |
| Surrogate: 4-Bromofluorobenzene  | 0.0414 |        | "     | 0.0400 |    | 104 | 50-150 |       |    |  |

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
07/12/22 14:17

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

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

**Batch BFG0054 - EPA 3550A**

**Blank (BFG0054-BLK1)**

Prepared & Analyzed: 07/06/22

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

**LCS (BFG0054-BS1)**

Prepared & Analyzed: 07/06/22

|               |     |    |       |     |     |        |
|---------------|-----|----|-------|-----|-----|--------|
| C10-C28 (DRO) | 504 | 50 | mg/kg | 500 | 101 | 70-130 |
|---------------|-----|----|-------|-----|-----|--------|

**Matrix Spike (BFG0054-MS1)**

Source: 2206523-01

Prepared & Analyzed: 07/06/22

|               |     |    |       |     |      |      |        |
|---------------|-----|----|-------|-----|------|------|--------|
| C10-C28 (DRO) | 492 | 50 | mg/kg | 500 | 15.9 | 95.3 | 70-130 |
|---------------|-----|----|-------|-----|------|------|--------|

**Matrix Spike Dup (BFG0054-MSD1)**

Source: 2206523-01

Prepared & Analyzed: 07/06/22

|               |     |    |       |     |      |     |        |      |    |
|---------------|-----|----|-------|-----|------|-----|--------|------|----|
| C10-C28 (DRO) | 519 | 50 | mg/kg | 500 | 15.9 | 101 | 70-130 | 5.31 | 20 |
|---------------|-----|----|-------|-----|------|-----|--------|------|----|

**Batch BFG0056 - EPA 3550A**

**Blank (BFG0056-BLK1)**

Prepared & Analyzed: 07/06/22

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

**LCS (BFG0056-BS1)**

Prepared & Analyzed: 07/06/22

|               |     |    |       |     |      |        |
|---------------|-----|----|-------|-----|------|--------|
| C10-C28 (DRO) | 427 | 50 | mg/kg | 500 | 85.5 | 70-130 |
|---------------|-----|----|-------|-----|------|--------|

**Matrix Spike (BFG0056-MS1)**

Source: 2207025-03

Prepared & Analyzed: 07/06/22

|               |     |    |       |     |      |      |        |
|---------------|-----|----|-------|-----|------|------|--------|
| C10-C28 (DRO) | 477 | 50 | mg/kg | 500 | 10.1 | 93.3 | 70-130 |
|---------------|-----|----|-------|-----|------|------|--------|

**Matrix Spike Dup (BFG0056-MSD1)**

Source: 2207025-03

Prepared & Analyzed: 07/06/22

|               |     |    |       |     |      |      |        |      |    |
|---------------|-----|----|-------|-----|------|------|--------|------|----|
| C10-C28 (DRO) | 435 | 50 | mg/kg | 500 | 10.1 | 84.9 | 70-130 | 9.19 | 20 |
|---------------|-----|----|-------|-----|------|------|--------|------|----|

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3  
Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
07/12/22 14:17

### PAH by EPA Method 8270D SIM - Quality Control

#### Summit Scientific

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

#### Batch BFG0057 - EPA 5030 Soil MS

##### Blank (BFG0057-BLK1)

Prepared & Analyzed: 07/06/22

|                                    |        |         |       |        |  |      |        |  |  |  |
|------------------------------------|--------|---------|-------|--------|--|------|--------|--|--|--|
| Acenaphthene                       | ND     | 0.00500 | mg/kg |        |  |      |        |  |  |  |
| Anthracene                         | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Benzo (a) anthracene               | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Benzo (a) pyrene                   | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Benzo (b) fluoranthene             | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Benzo (k) fluoranthene             | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Chrysene                           | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Dibenz (a,h) anthracene            | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Fluoranthene                       | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Fluorene                           | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Indeno (1,2,3-cd) pyrene           | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Pyrene                             | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| 1-Methylnaphthalene                | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| 2-Methylnaphthalene                | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0337 |         | "     | 0.0333 |  | 101  | 40-150 |  |  |  |
| Surrogate: Fluoranthene-d10        | 0.0318 |         | "     | 0.0333 |  | 95.4 | 40-150 |  |  |  |

##### LCS (BFG0057-BS1)

Prepared & Analyzed: 07/06/22

|                                    |        |         |       |        |      |        |
|------------------------------------|--------|---------|-------|--------|------|--------|
| Acenaphthene                       | 0.0207 | 0.00500 | mg/kg | 0.0333 | 62.1 | 31-137 |
| Anthracene                         | 0.0267 | 0.00500 | "     | 0.0333 | 80.0 | 30-120 |
| Benzo (a) anthracene               | 0.0284 | 0.00500 | "     | 0.0333 | 85.2 | 30-120 |
| Benzo (a) pyrene                   | 0.0304 | 0.00500 | "     | 0.0333 | 91.3 | 30-120 |
| Benzo (b) fluoranthene             | 0.0230 | 0.00500 | "     | 0.0333 | 68.9 | 30-120 |
| Benzo (k) fluoranthene             | 0.0211 | 0.00500 | "     | 0.0333 | 63.3 | 30-120 |
| Chrysene                           | 0.0271 | 0.00500 | "     | 0.0333 | 81.4 | 30-120 |
| Dibenz (a,h) anthracene            | 0.0248 | 0.00500 | "     | 0.0333 | 74.3 | 30-120 |
| Fluoranthene                       | 0.0261 | 0.00500 | "     | 0.0333 | 78.3 | 30-120 |
| Fluorene                           | 0.0241 | 0.00500 | "     | 0.0333 | 72.4 | 30-120 |
| Indeno (1,2,3-cd) pyrene           | 0.0308 | 0.00500 | "     | 0.0333 | 92.5 | 30-120 |
| Pyrene                             | 0.0220 | 0.00500 | "     | 0.0333 | 66.0 | 35-142 |
| 1-Methylnaphthalene                | 0.0353 | 0.00500 | "     | 0.0333 | 106  | 35-142 |
| 2-Methylnaphthalene                | 0.0289 | 0.00500 | "     | 0.0333 | 86.8 | 35-142 |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0304 |         | "     | 0.0333 | 91.1 | 40-150 |
| Surrogate: Fluoranthene-d10        | 0.0266 |         | "     | 0.0333 | 79.7 | 40-150 |

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henchan

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## PAH by EPA Method 8270D SIM - Quality Control

### Summit Scientific

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

#### Batch BFG0057 - EPA 5030 Soil MS

##### Matrix Spike (BFG0057-MS1)

Source: 2206434-05

Prepared & Analyzed: 07/06/22

|                                    |        |         |       |        |    |      |        |  |  |
|------------------------------------|--------|---------|-------|--------|----|------|--------|--|--|
| Acenaphthene                       | 0.0284 | 0.00500 | mg/kg | 0.0333 | ND | 85.3 | 31-137 |  |  |
| Anthracene                         | 0.0322 | 0.00500 | "     | 0.0333 | ND | 96.7 | 30-120 |  |  |
| Benzo (a) anthracene               | 0.0329 | 0.00500 | "     | 0.0333 | ND | 98.8 | 30-120 |  |  |
| Benzo (a) pyrene                   | 0.0331 | 0.00500 | "     | 0.0333 | ND | 99.2 | 30-120 |  |  |
| Benzo (b) fluoranthene             | 0.0310 | 0.00500 | "     | 0.0333 | ND | 93.1 | 30-120 |  |  |
| Benzo (k) fluoranthene             | 0.0306 | 0.00500 | "     | 0.0333 | ND | 91.8 | 30-120 |  |  |
| Chrysene                           | 0.0314 | 0.00500 | "     | 0.0333 | ND | 94.4 | 30-120 |  |  |
| Dibenz (a,h) anthracene            | 0.0298 | 0.00500 | "     | 0.0333 | ND | 89.3 | 30-120 |  |  |
| Fluoranthene                       | 0.0284 | 0.00500 | "     | 0.0333 | ND | 85.3 | 30-120 |  |  |
| Fluorene                           | 0.0270 | 0.00500 | "     | 0.0333 | ND | 81.0 | 30-120 |  |  |
| Indeno (1,2,3-cd) pyrene           | 0.0293 | 0.00500 | "     | 0.0333 | ND | 87.8 | 30-120 |  |  |
| Pyrene                             | 0.0279 | 0.00500 | "     | 0.0333 | ND | 83.8 | 35-142 |  |  |
| 1-Methylnaphthalene                | 0.0296 | 0.00500 | "     | 0.0333 | ND | 88.8 | 15-130 |  |  |
| 2-Methylnaphthalene                | 0.0267 | 0.00500 | "     | 0.0333 | ND | 80.1 | 15-130 |  |  |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0304 |         | "     | 0.0333 |    | 91.1 | 40-150 |  |  |
| Surrogate: Fluoranthene-d10        | 0.0306 |         | "     | 0.0333 |    | 91.9 | 40-150 |  |  |

##### Matrix Spike Dup (BFG0057-MSD1)

Source: 2206434-05

Prepared & Analyzed: 07/06/22

|                                    |        |         |       |        |    |      |        |       |    |
|------------------------------------|--------|---------|-------|--------|----|------|--------|-------|----|
| Acenaphthene                       | 0.0322 | 0.00500 | mg/kg | 0.0333 | ND | 96.8 | 31-137 | 12.6  | 30 |
| Anthracene                         | 0.0285 | 0.00500 | "     | 0.0333 | ND | 85.5 | 30-120 | 12.3  | 30 |
| Benzo (a) anthracene               | 0.0276 | 0.00500 | "     | 0.0333 | ND | 82.8 | 30-120 | 17.6  | 30 |
| Benzo (a) pyrene                   | 0.0280 | 0.00500 | "     | 0.0333 | ND | 84.0 | 30-120 | 16.6  | 30 |
| Benzo (b) fluoranthene             | 0.0276 | 0.00500 | "     | 0.0333 | ND | 82.9 | 30-120 | 11.6  | 30 |
| Benzo (k) fluoranthene             | 0.0270 | 0.00500 | "     | 0.0333 | ND | 81.0 | 30-120 | 12.6  | 30 |
| Chrysene                           | 0.0294 | 0.00500 | "     | 0.0333 | ND | 88.3 | 30-120 | 6.65  | 30 |
| Dibenz (a,h) anthracene            | 0.0296 | 0.00500 | "     | 0.0333 | ND | 88.9 | 30-120 | 0.434 | 30 |
| Fluoranthene                       | 0.0285 | 0.00500 | "     | 0.0333 | ND | 85.5 | 30-120 | 0.156 | 30 |
| Fluorene                           | 0.0287 | 0.00500 | "     | 0.0333 | ND | 86.0 | 30-120 | 6.07  | 30 |
| Indeno (1,2,3-cd) pyrene           | 0.0289 | 0.00500 | "     | 0.0333 | ND | 86.7 | 30-120 | 1.28  | 30 |
| Pyrene                             | 0.0284 | 0.00500 | "     | 0.0333 | ND | 85.3 | 35-142 | 1.81  | 30 |
| 1-Methylnaphthalene                | 0.0268 | 0.00500 | "     | 0.0333 | ND | 80.4 | 15-130 | 9.93  | 50 |
| 2-Methylnaphthalene                | 0.0294 | 0.00500 | "     | 0.0333 | ND | 88.3 | 15-130 | 9.70  | 50 |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0286 |         | "     | 0.0333 |    | 85.8 | 40-150 |       |    |
| Surrogate: Fluoranthene-d10        | 0.0297 |         | "     | 0.0333 |    | 89.1 | 40-150 |       |    |

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PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henchan

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## PAH by EPA Method 8270D SIM - Quality Control

### Summit Scientific

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

#### Batch BFG0058 - EPA 5030 Soil MS

##### Blank (BFG0058-BLK1)

Prepared & Analyzed: 07/06/22

|                          |    |         |       |
|--------------------------|----|---------|-------|
| Acenaphthene             | ND | 0.00500 | mg/kg |
| Anthracene               | ND | 0.00500 | "     |
| Benzo (a) anthracene     | ND | 0.00500 | "     |
| Benzo (a) pyrene         | ND | 0.00500 | "     |
| Benzo (b) fluoranthene   | ND | 0.00500 | "     |
| Benzo (k) fluoranthene   | ND | 0.00500 | "     |
| Chrysene                 | ND | 0.00500 | "     |
| Dibenz (a,h) anthracene  | ND | 0.00500 | "     |
| Fluoranthene             | ND | 0.00500 | "     |
| Fluorene                 | ND | 0.00500 | "     |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | "     |
| Pyrene                   | ND | 0.00500 | "     |
| 1-Methylnaphthalene      | ND | 0.00500 | "     |
| 2-Methylnaphthalene      | ND | 0.00500 | "     |

|                                    |        |   |        |     |        |
|------------------------------------|--------|---|--------|-----|--------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0377 | " | 0.0333 | 113 | 40-150 |
| Surrogate: Fluoranthene-d10        | 0.0493 | " | 0.0333 | 148 | 40-150 |

##### LCS (BFG0058-BS1)

Prepared & Analyzed: 07/06/22

|                          |        |         |       |        |      |        |
|--------------------------|--------|---------|-------|--------|------|--------|
| Acenaphthene             | 0.0271 | 0.00500 | mg/kg | 0.0333 | 81.2 | 31-137 |
| Anthracene               | 0.0354 | 0.00500 | "     | 0.0333 | 106  | 30-120 |
| Benzo (a) anthracene     | 0.0380 | 0.00500 | "     | 0.0333 | 114  | 30-120 |
| Benzo (a) pyrene         | 0.0315 | 0.00500 | "     | 0.0333 | 94.5 | 30-120 |
| Benzo (b) fluoranthene   | 0.0308 | 0.00500 | "     | 0.0333 | 92.4 | 30-120 |
| Benzo (k) fluoranthene   | 0.0338 | 0.00500 | "     | 0.0333 | 101  | 30-120 |
| Chrysene                 | 0.0392 | 0.00500 | "     | 0.0333 | 117  | 30-120 |
| Dibenz (a,h) anthracene  | 0.0284 | 0.00500 | "     | 0.0333 | 85.1 | 30-120 |
| Fluoranthene             | 0.0357 | 0.00500 | "     | 0.0333 | 107  | 30-120 |
| Fluorene                 | 0.0277 | 0.00500 | "     | 0.0333 | 83.1 | 30-120 |
| Indeno (1,2,3-cd) pyrene | 0.0351 | 0.00500 | "     | 0.0333 | 105  | 30-120 |
| Pyrene                   | 0.0399 | 0.00500 | "     | 0.0333 | 120  | 35-142 |
| 1-Methylnaphthalene      | 0.0228 | 0.00500 | "     | 0.0333 | 68.5 | 35-142 |
| 2-Methylnaphthalene      | 0.0262 | 0.00500 | "     | 0.0333 | 78.5 | 35-142 |

|                                    |        |   |        |      |        |
|------------------------------------|--------|---|--------|------|--------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0263 | " | 0.0333 | 79.0 | 40-150 |
| Surrogate: Fluoranthene-d10        | 0.0363 | " | 0.0333 | 109  | 40-150 |

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PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
07/12/22 14:17

## PAH by EPA Method 8270D SIM - Quality Control

### Summit Scientific

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

#### Batch BFG0058 - EPA 5030 Soil MS

| Matrix Spike (BFG0058-MS1)         |        |         | Source: 2207025-01 |        | Prepared & Analyzed: 07/06/22 |      |        |  |  |       |
|------------------------------------|--------|---------|--------------------|--------|-------------------------------|------|--------|--|--|-------|
| Acenaphthene                       | 0.0387 | 0.00500 | mg/kg              | 0.0333 | 0.00877                       | 89.9 | 31-137 |  |  |       |
| Anthracene                         | 0.0218 | 0.00500 | "                  | 0.0333 | ND                            | 65.5 | 30-120 |  |  |       |
| Benzo (a) anthracene               | 0.0332 | 0.00500 | "                  | 0.0333 | ND                            | 99.7 | 30-120 |  |  |       |
| Benzo (a) pyrene                   | 0.0194 | 0.00500 | "                  | 0.0333 | ND                            | 58.3 | 30-120 |  |  |       |
| Benzo (b) fluoranthene             | 0.0230 | 0.00500 | "                  | 0.0333 | ND                            | 69.0 | 30-120 |  |  |       |
| Benzo (k) fluoranthene             | 0.0187 | 0.00500 | "                  | 0.0333 | ND                            | 56.2 | 30-120 |  |  |       |
| Chrysene                           | 0.0405 | 0.00500 | "                  | 0.0333 | 0.00704                       | 100  | 30-120 |  |  |       |
| Dibenz (a,h) anthracene            | 0.0155 | 0.00500 | "                  | 0.0333 | ND                            | 46.4 | 30-120 |  |  |       |
| Fluoranthene                       | 0.0280 | 0.00500 | "                  | 0.0333 | ND                            | 84.1 | 30-120 |  |  |       |
| Fluorene                           | 0.0397 | 0.00500 | "                  | 0.0333 | 0.0183                        | 64.1 | 30-120 |  |  |       |
| Indeno (1,2,3-cd) pyrene           | 0.0191 | 0.00500 | "                  | 0.0333 | ND                            | 57.2 | 30-120 |  |  |       |
| Pyrene                             | 0.0292 | 0.00500 | "                  | 0.0333 | 0.00234                       | 80.7 | 35-142 |  |  |       |
| 1-Methylnaphthalene                | 0.144  | 0.00500 | "                  | 0.0333 | 0.0759                        | 206  | 15-130 |  |  | QM-05 |
| 2-Methylnaphthalene                | 0.181  | 0.00500 | "                  | 0.0333 | 0.148                         | 100  | 15-130 |  |  |       |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0306 |         | "                  | 0.0333 |                               | 91.9 | 40-150 |  |  |       |
| Surrogate: Fluoranthene-d10        | 0.0260 |         | "                  | 0.0333 |                               | 78.1 | 40-150 |  |  |       |

| Matrix Spike Dup (BFG0058-MSD1)    |        |         | Source: 2207025-01 |        | Prepared & Analyzed: 07/06/22 |      |        |      |    |  | QR-02 |
|------------------------------------|--------|---------|--------------------|--------|-------------------------------|------|--------|------|----|--|-------|
| Acenaphthene                       | 0.0211 | 0.00500 | mg/kg              | 0.0333 | 0.00877                       | 37.0 | 31-137 | 58.9 | 30 |  |       |
| Anthracene                         | 0.0142 | 0.00500 | "                  | 0.0333 | ND                            | 42.7 | 30-120 | 42.1 | 30 |  |       |
| Benzo (a) anthracene               | 0.0195 | 0.00500 | "                  | 0.0333 | ND                            | 58.4 | 30-120 | 52.3 | 30 |  |       |
| Benzo (a) pyrene                   | 0.0148 | 0.00500 | "                  | 0.0333 | ND                            | 44.5 | 30-120 | 26.8 | 30 |  |       |
| Benzo (b) fluoranthene             | 0.0169 | 0.00500 | "                  | 0.0333 | ND                            | 50.6 | 30-120 | 30.7 | 30 |  |       |
| Benzo (k) fluoranthene             | 0.0137 | 0.00500 | "                  | 0.0333 | ND                            | 41.2 | 30-120 | 30.9 | 30 |  |       |
| Chrysene                           | 0.0222 | 0.00500 | "                  | 0.0333 | 0.00704                       | 45.4 | 30-120 | 58.5 | 30 |  |       |
| Dibenz (a,h) anthracene            | 0.0159 | 0.00500 | "                  | 0.0333 | ND                            | 47.7 | 30-120 | 2.62 | 30 |  |       |
| Fluoranthene                       | 0.0139 | 0.00500 | "                  | 0.0333 | ND                            | 41.8 | 30-120 | 67.3 | 30 |  |       |
| Fluorene                           | 0.0274 | 0.00500 | "                  | 0.0333 | 0.0183                        | 27.3 | 30-120 | 36.6 | 30 |  |       |
| Indeno (1,2,3-cd) pyrene           | 0.0178 | 0.00500 | "                  | 0.0333 | ND                            | 53.3 | 30-120 | 7.08 | 30 |  |       |
| Pyrene                             | 0.0150 | 0.00500 | "                  | 0.0333 | 0.00234                       | 38.1 | 35-142 | 64.2 | 30 |  |       |
| 1-Methylnaphthalene                | 0.114  | 0.00500 | "                  | 0.0333 | 0.0759                        | 115  | 15-130 | 23.4 | 50 |  | QM-05 |
| 2-Methylnaphthalene                | 0.186  | 0.00500 | "                  | 0.0333 | 0.148                         | 114  | 15-130 | 2.57 | 50 |  | QM-05 |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0186 |         | "                  | 0.0333 |                               | 55.8 | 40-150 |      |    |  |       |
| Surrogate: Fluoranthene-d10        | 0.0112 |         | "                  | 0.0333 |                               | 33.7 | 40-150 |      |    |  |       |

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Branch 1-3

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
07/12/22 14:17

### 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.  |
| R-01  | The Reporting Limit for this analyte has been raised to account for matrix interference.  |
| QR-02 | The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.   |
| QM-05 | The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The associated LCS and/or LCSD were within acceptance limits, therefore the data are considered valid. |
| DET   | Analyte DETECTED  |
| ND    | Analyte NOT DETECTED at or above the reporting limit  |
| NR    | Not Reported  |
| dry   | Sample results reported on a dry weight basis   |
| RPD   | Relative Percent Difference   |