

**TABLE 1**  
**FIELD DATA SUMMARY TABLE**  
**NOBLE 100322**  
**VOLKENS 31-22 WELLHEAD, WELD COUNTY, COLORADO**  
**REM # 33147**

| Sample ID | Sample Date | Depth (ft-bgs) | GPS Data<br>Latitude/Longitude |             | VOC Concentration<br>(ppm) |
|-----------|-------------|----------------|--------------------------------|-------------|----------------------------|
| WH01@6    | 4/19/2024   | 6              | 40.303407                      | -104.534341 | 1,988.0                    |
| FLR01@4   | 4/19/2024   | 4              | 40.303407                      | -104.534310 | 22.4                       |
| WH01-N@4  | 4/19/2024   | 4              | 40.303435                      | -104.534330 | 181.6                      |
| WH-S@4    | 4/19/2024   | 4              | 40.303393                      | -104.534350 | 1,217.0                    |
| WH01-W@4  | 4/19/2024   | 4              | 40.303413                      | -104.534378 | 1,794.0                    |

1. Global Positioning System (GPS) data is provided in decimal degrees using North American Datum (NAD) 83 UTMZone 13 North.

2. Volatile organic compound (VOC) concentrations are measured in the field using a photoionization detector (PID).

ppm = Parts per million

ft-bgs = feet below ground surface

TABLE 2  
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA  
NOBLE 100322  
VOLKENS 31-22 WELLHEAD, WELD COUNTY, COLORADO  
REM # 33147

| Sample ID                                               | Sample Date | Depth (ft-bgs) | Benzene<br>(mg/kg) | Toluene<br>(mg/kg) | Ethyl-Benzene<br>(mg/kg) | Xylenes<br>(mg/kg) | 1,2,4-<br>Trimethyl-<br>Benzene<br>(mg/kg) | 1,3,5-<br>Trimethyl-<br>Benzene<br>(mg/kg) | Naphthalene<br>(mg/kg) | TPH<br>(mg/kg)  | TPH GRO<br>(mg/kg) | TPH DRO<br>(mg/kg) | TPH ORO<br>(mg/kg) |
|---------------------------------------------------------|-------------|----------------|--------------------|--------------------|--------------------------|--------------------|--------------------------------------------|--------------------------------------------|------------------------|-----------------|--------------------|--------------------|--------------------|
| ECMC Table 915-1 Limits (Residential SSL)               |             |                | 1.2                | 490                | 5.8                      | 58                 | 30                                         | 27                                         | 2                      | 500             | 500**              |                    |                    |
| ECMC Table 915-1 Limits (Protection of Groundwater SSL) |             |                | 0.0026             | 0.69               | 0.78                     | 9.9                | 0.0081                                     | 0.0087                                     | 0.0038                 | 500             | 500**              |                    |                    |
| WH01@6                                                  | 4/19/2024   | 6              | 0.0101             | 0.00432            | <b>4.46</b>              | <b>102</b>         | <b>39.2</b>                                | <b>9.22</b>                                | <b>1.19</b>            | <b>3,547.00</b> | <b>1540</b>        | <b>1510</b>        | 497                |
| FLR01@4                                                 | 4/19/2024   | 4              | <0.00200           | <0.00200           | <0.00200                 | <0.00200           | <0.00200                                   | <0.00200                                   | <0.002                 | <125.200        | 5.85               | 222                | <100               |

1. **Bold** values exceed the ECMC Table 915-1 limit(s)
  2. Blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)
  3. \*\* Summation of GRO+DRO+ORO must be less than 500 mg/kg
- ft-bgs = feet below ground surface

TABLE 3  
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA  
NOBLE 100322  
VOLKENS 31-22 WELLHEAD, WELD COUNTY, COLORADO  
REM # 33147

| Sample ID                                               | Sample Date | Depth (ft-bgs) | Acenaphthene<br>(mg/kg) | Anthracene<br>(mg/kg) | Benzo (a)<br>Anthracene<br>(mg/kg) | Benzo (a)<br>Pyrene<br>(mg/kg) | Benzo (b)<br>Fluoranthene<br>(mg/kg) | Benzo (k)<br>Fluoranthene<br>(mg/kg) | Chrysene<br>(mg/kg) | Dibenzo (a,h)<br>Anthracene<br>(mg/kg) | Fluoranthene<br>(mg/kg) | Fluorene<br>(mg/kg) | Indeno (1,2,3-<br>cd) Pyrene<br>(mg/kg) | Pyrene<br>(mg/kg) | 1-Methyl -<br>Naphthalene<br>(mg/kg) | 2-Methyl-<br>Naphthalene<br>(mg/kg) |
|---------------------------------------------------------|-------------|----------------|-------------------------|-----------------------|------------------------------------|--------------------------------|--------------------------------------|--------------------------------------|---------------------|----------------------------------------|-------------------------|---------------------|-----------------------------------------|-------------------|--------------------------------------|-------------------------------------|
| ECMC Table 915-1 Limits (Residential SSL)               |             |                | 360                     | 1800                  | 1.1                                | 0.11                           | 1.1                                  | 11                                   | 110                 | 0.11                                   | 240                     | 240                 | 1.1                                     | 180               | 18                                   | 24                                  |
| ECMC Table 915-1 Limits (Protection of Groundwater SSL) |             |                | 0.55                    | 5.8                   | 0.011                              | 0.24                           | 0.3                                  | 2.9                                  | 9                   | 0.096                                  | 8.9                     | 0.54                | 0.98                                    | 1.3               | 0.006                                | 0.019                               |
| WH01@6                                                  | 4/19/2024   | 6              | <0.020                  | 0.042                 | <0.005                             | <0.020                         | <0.020                               | <0.020                               | 0.045               | <0.020                                 | <0.020                  | 0.351               | <0.020                                  | 0.025             | 1.99                                 | 5.44                                |
| FLR01@4                                                 | 4/19/2024   | 4              | <0.020                  | <0.020                | <0.005                             | <0.020                         | <0.020                               | <0.020                               | 0.028               | <0.020                                 | <0.020                  | <0.020              | <0.020                                  | <0.020            | 0.002                                | <0.002                              |

1. **Bold** values exceed the ECMC Table 915-1 limit(s)

2. Blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)

ft-bgs = feet below ground surface

TABLE 4  
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION  
NOBLE 100322  
VOLKENS 31-22 WELLHEAD, WELD COUNTY, COLORADO  
REM # 33147

| Sample ID                                | Sample Date | Depth (ft-bgs) | pH<br>(Standard<br>Units) | EC<br>(mmhos/cm) | SAR<br>(Standard<br>Units) | Boron<br>(mg/L) |
|------------------------------------------|-------------|----------------|---------------------------|------------------|----------------------------|-----------------|
| ECMC Table 915-1 Soil Suitability Limits |             |                | 6 - 8.3                   | <4               | <6                         | 2               |
| WH01@6                                   | 4/19/2024   | 6              | 8.14                      | 0.6              | 2.58                       | 0.762           |
| FLR01@4                                  | 4/19/2024   | 4              | <b>8.60</b>               | 0.778            | 1.76                       | 0.303           |

1. **Bold** faced values exceed the ECMC Table 915-1 limit(s)

ft-bgs = feet below ground surface

TABLE 5  
SUMMARY OF METALS IN SOIL CHEMISTRY DATA  
NOBLE 100322  
VOLKENS 31-22 WELLHEAD, WELD COUNTY, COLORADO  
REM # 33147

| Sample ID                                               | Sample Date | Depth (ft-bgs) | Arsenic<br>(mg/kg) | Barium<br>(mg/kg) | Cadmium<br>(mg/kg) | Chromium (VI)<br>(mg/kg) | Copper<br>(mg/kg) | Lead<br>(mg/kg) | Nickel (mg/kg) | Selenium<br>(mg/kg) | Silver<br>(mg/kg) | Zinc<br>(mg/kg) |
|---------------------------------------------------------|-------------|----------------|--------------------|-------------------|--------------------|--------------------------|-------------------|-----------------|----------------|---------------------|-------------------|-----------------|
| ECMC Table 915-1 Limits (Residential SSL)               |             |                | 0.68               | 15000             | 71                 | 0.3                      | 3100              | 400             | 1500           | 390                 | 390               | 23000           |
| ECMC Table 915-1 Limits (Protection of Groundwater SSL) |             |                | 0.29               | 82                | 0.38               | 0.00067                  | 46                | 14              | 26             | 0.26                | 0.8               | 370             |
| WH01@6                                                  | 4/19/2024   | 6              | <b>3.83</b>        | <b>133</b>        | 0.207              | <0.173*                  | 16.1              | 12.7            | 13.9           | <0.232              | <0.0891           | 65.3            |
| FLR01@4                                                 | 4/19/2024   | 4              | <b>1.93</b>        | <b>84.3</b>       | <0.0911            |                          | <9.11             | 4.70            | 4.72           | <0.237              | <0.0911           | 33.7            |

1. **Bold** values exceed the ECMC Table 915-1 limit(s)

2. Blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)

\* Indicates laboratory minimum detection limit in excess of SSL

ft-bgs = feet below ground surface