

TABLE 1
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
NOBLE ENERGY INC.
CLYNCKE STATE B 36-25, BAKER STATE B 36-12, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C022-187

| Sample ID | Sample Date | Depth (ft) | Benzene (mg/kg) | Toluene (mg/kg) | Ethyl-Benzene (mg/kg) | Xylenes (mg/kg) | 1,2,4-Trimethyl-Benzene (mg/kg) | 1,3,5-Trimethyl-Benzene (mg/kg) | Naphthalene (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH ORO (mg/kg) |
|---|-------------|------------|-----------------|-----------------|-----------------------|-----------------|---------------------------------|---------------------------------|---------------------|-----------------|-----------------|-----------------|
| ECMC Table 915-1 Limits (Residential SSL) | | | 1.2 | 490 | 5.8 | 58 | 30 | 27 | 2 | 500** | | |
| ECMC Table 915-1 Limits (Protection of Groundwater SSL) | | | 0.0026 | 0.69 | 0.78 | 9.9 | 0.0081 | 0.0087 | 0.0038 | 500** | | |
| SB- AST E 8ft | 06/14/2023 | 8 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | 0.04 | 60 | 120 | <50 |
| SB- AST E2 9ft | 06/14/2023 | 9 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | 0.07 | 14 | <50 | <50 |
| SB- AST E3 8ft | 06/14/2023 | 8 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.50 | <50 | <50 |
| SB- AST N | 06/14/2023 | 8 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.50 | <50 | <50 |
| SB- AST S 12ft | 06/14/2023 | 12 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | 0.012 | 26 | <50 | <50 |
| SB- AST S 7ft | 06/14/2023 | 7 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | 0.17 | 54 | 860 | 220 |
| SB- AST S2 12ft | 06/14/2023 | 12 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.50 | <50 | <50 |
| SB- AST S2 8ft | 06/14/2023 | 8 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.50 | <50 | <50 |
| SB- AST W 10ft | 06/14/2023 | 10 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | 0.5 | <50 | <50 |
| SB- AST W 8ft | 06/14/2023 | 8 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | 0.14 | 4.4 | <50 | <50 |
| SB-SEP. CEN 12ft | 06/14/2023 | 12 | <0.0020 | <0.0050 | 0.0078 | <0.010 | <0.0050 | <0.0050 | 0.024 | 240 | 590 | 51 |
| SB-SEP. CEN 7ft | 06/14/2023 | 7 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | 0.029 | 43 | 1100 | 82 |
| SB-SEP. E 12ft | 06/14/2023 | 12 | <0.0020 | <0.0050 | <0.0050 | <0.010 | 6.900 | 0.024 | 0.077 | 5.9 | 560 | 140 |
| SB-SEP. E 7ft | 06/14/2023 | 7 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | 0.16 | 27 | 300 | 89 |
| SB-SEP. E2 7ft | 06/14/2023 | 7 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | 0.40 | 24 | 370 | 110 |
| SB-SEP. E2 9ft | 06/14/2023 | 9 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | 0.51 | 34 | 430 | 130 |
| SB-SEP. N 11ft | 06/14/2023 | 11 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | 0.07 | 470 | 320 | 180 |
| SB-SEP. N 6ft | 06/14/2023 | 6 | <0.0020 | <0.0050 | <0.0050 | <0.010 | 0.820 | <0.0050 | 0.39 | 72 | 2400 | 680 |
| SB-SEP. N2 11ft | 06/14/2023 | 11 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | 0.25 | 4 | 360 | 110 |
| SB-SEP. N2 7ft | 06/14/2023 | 7 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | 0.20 | 26 | 280 | 88 |
| SB-SEP. N3 12ft | 06/14/2023 | 12 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.50 | <50 | <50 |
| SB-SEP. N3 8ft | 06/14/2023 | 8 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.50 | <50 | <50 |
| SB-SEP. S 10ft | 06/14/2023 | 10 | <0.0020 | <0.0050 | <0.0050 | <0.010 | 0.032 | <0.0050 | 0.11 | 28 | 490 | <50 |
| SB-SEP. S 7ft | 06/14/2023 | 7 | <0.0020 | <0.0050 | <0.0050 | <0.010 | 0.320 | <0.0050 | 0.0066 | 20 | 300 | <50 |
| SB-SEP. S2 11ft | 06/14/2023 | 11 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | 0.0041 | <0.50 | 330 | <50 |
| SB-SEP. S2 8ft | 06/14/2023 | 8 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.50 | <50 | <50 |
| SB-SEP. W 11ft | 06/14/2023 | 11 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | 0.01 | 19 | 120 | <50 |
| SB-SEP. W 8ft | 06/14/2023 | 8 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | 0.86 | <50 | <50 |

Bold faced values exceed the ECMC Table 915-1 concentrations

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

* Indicates laboratory minimum detection limit in excess of SSL

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

NA - Not analyzed

TABLE 2
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
NOBLE ENERGY INC.
CLYNCKE STATE B 36-25, BAKER STATE B 36-12, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C022-187

| Sample ID | Sample Date | Depth (ft) | Acenaphthene (mg/kg) | Anthracene (mg/kg) | Benzo (a) Anthracene (mg/kg) | Benzo (a) Pyrene (mg/kg) | Benzo (b) Fluoranthene (mg/kg) | Benzo (k) Fluoranthene (mg/kg) | Chrysene (mg/kg) | Dibenzo (a,h) Anthracene (mg/kg) | Fluoranthene (mg/kg) | Fluorene (mg/kg) | Indeno (1,2,3-cd) Pyrene (mg/kg) | Pyrene (mg/kg) | 1-Methyl - Naphthalene (mg/kg) | 2-Methyl- Naphthalene (mg/kg) |
|---|-------------|------------|----------------------|--------------------|------------------------------|--------------------------|--------------------------------|--------------------------------|------------------|----------------------------------|----------------------|------------------|----------------------------------|----------------|--------------------------------|-------------------------------|
| ECMC Table 915-1 Limits (Residential SSL) | | | 360 | 1800 | 1.1 | 0.11 | 1.1 | 11 | 110 | 0.11 | 240 | 240 | 1.1 | 180 | 18 | 24 |
| ECMC Table 915-1 Limits (Protection of Groundwater SSL) | | | 0.55 | 5.8 | 0.011 | 0.24 | 0.3 | 2.9 | 9 | 0.096 | 8.9 | 0.54 | 0.98 | 1.3 | 0.006 | 0.019 |
| SB- AST E 8ft | 06/14/2023 | 8 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | 0.0122 | 0.0308 |
| SB- AST E2 9ft | 06/14/2023 | 9 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | 0.0223 | 0.0619 |
| SB- AST E3 8ft | 06/14/2023 | 8 | <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- AST N | 06/14/2023 | 8 | <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- AST S 12ft | 06/14/2023 | 12 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | 0.0112 | <0.00500 | <0.00500 | 0.0466 | 0.112 |
| SB- AST S 7ft | 06/14/2023 | 7 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | 0.0792 | <0.00500 | <0.00500 | 0.377 | 0.699 |
| SB- AST S2 12ft | 06/14/2023 | 12 | <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- AST S2 8ft | 06/14/2023 | 8 | <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- AST W 10ft | 06/14/2023 | 10 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | 0.0658 | 0.127 |
| SB- AST W 8ft | 06/14/2023 | 8 | <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 | 0.0204 |
| SB-SEP. CEN 12ft | 06/14/2023 | 12 | <0.00500 | <0.00500 | 0.010 | <0.00500 | <0.00500 | <0.00500 | 0.00878 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | 0.005 | 0.348 | <0.00500 |
| SB-SEP. CEN 7ft | 06/14/2023 | 7 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | 1.91 | 1.99 |
| SB-SEP. E 12ft | 06/14/2023 | 12 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | 0.812 | <0.100 |
| SB-SEP. E 7ft | 06/14/2023 | 7 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | 0.0711 | 0.15 |
| SB-SEP. E2 7ft | 06/14/2023 | 7 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | 0.447 | 1.12 |
| SB-SEP. E2 9ft | 06/14/2023 | 9 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | 0.0753 | 0.152 |
| SB-SEP. N 11ft | 06/14/2023 | 11 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | 0.483 | 1.16 |
| SB-SEP. N 6ft | 06/14/2023 | 6 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | 1.93 | 3.45 |
| SB-SEP. N2 11ft | 06/14/2023 | 11 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | <0.100 | 0.52 | 1.01 |
| SB-SEP. N2 7ft | 06/14/2023 | 7 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | 0.0599 | 0.074 |
| SB-SEP. N3 12ft | 06/14/2023 | 12 | <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-SEP. N3 8ft | 06/14/2023 | 8 | <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-SEP. S 10ft | 06/14/2023 | 10 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | 0.56 | 0.563 |
| SB-SEP. S 7ft | 06/14/2023 | 7 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | 0.0876 | 0.138 |
| SB-SEP. S2 11ft | 06/14/2023 | 11 | <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-SEP. S2 8ft | 06/14/2023 | 8 | <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-SEP. W 11ft | 06/14/2023 | 11 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | 0.0557 | 0.0819 |
| SB-SEP. W 8ft | 06/14/2023 | 8 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 |

Bold faced values exceed the ECMC Table 915-1 concentrations

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

* Indicates laboratory minimum detection limit in excess of SSL

NA - Not analyzed

TABLE 3
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE ENERGY INC.
CLYNCKE STATE B 36-25, BAKER STATE B 36-12, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C022-187

| Sample ID | Sample Date | Depth (ft) | pH | EC (mmhos/cm) | SAR | Boron (mg/L) |
|---|-------------|------------|-------------|------------------|-------|--------------|
| COGCC Table 915-1 Soil Suitability Limits | | | 6 - 8.3 | <4 | <6 | 2 |
| SB- AST E 8ft | 06/14/2023 | 8 | 7.97 | 0.294 | 1.03 | 0.286 |
| SB- AST E2 9ft | 06/14/2023 | 9 | 8.59 | 0.278 | 0.701 | 0.384 |
| SB- AST E3 8ft | 06/14/2023 | 8 | 7.78 | 0.302 | 0.485 | 0.265 |
| SB- AST N | 06/14/2023 | 8 | 7.77 | 0.291 | 0.472 | 0.118 |
| SB- AST S 12ft | 06/14/2023 | 12 | 8.71 | 0.335 | 0.746 | 0.392 |
| SB- AST S 7ft | 06/14/2023 | 7 | 8.06 | 0.481 | 0.527 | 0.197 |
| SB- AST S2 12ft | 06/14/2023 | 12 | 8.66 | 0.258 | 0.905 | 0.332 |
| SB- AST S2 8ft | 06/14/2023 | 8 | 8.27 | 0.389 | 1.32 | 0.296 |
| SB- AST W 10ft | 06/14/2023 | 10 | 8.88 | 0.463 | 1.49 | 0.442 |
| SB- AST W 8ft | 06/14/2023 | 8 | 8.11 | 0.299 | 0.789 | 0.304 |
| SB-SEP. CEN 12ft | 06/14/2023 | 12 | 7.55 | 0.964 | 1.72 | 0.14 |
| SB-SEP. CEN 7ft | 06/14/2023 | 7 | 7.47 | 0.532 | 2.44 | 0.136 |
| SB-SEP. E 12ft | 06/14/2023 | 12 | 7.86 | 0.819 | 1.48 | 0.0565 |
| SB-SEP. E 7ft | 06/14/2023 | 7 | 7.97 | 0.33 | 0.408 | 0.0954 |
| SB-SEP. E2 7ft | 06/14/2023 | 7 | 8.45 | 0.336 | 0.892 | 0.166 |
| SB-SEP. E2 9ft | 06/14/2023 | 9 | 8.49 | 0.289 | 0.865 | 0.402 |
| SB-SEP. N 11ft | 06/14/2023 | 11 | 8.21 | 0.545 | 2.26 | 0.0859 |
| SB-SEP. N 6ft | 06/14/2023 | 6 | 7.66 | 0.362 | 0.977 | 0.109 |
| SB-SEP. N2 11ft | 06/14/2023 | 11 | 7.98 | 0.816 | 2.69 | 0.115 |
| SB-SEP. N2 7ft | 06/14/2023 | 7 | 8.52 | 0.49 | 2.74 | 0.151 |
| SB-SEP. N3 12ft | 06/14/2023 | 12 | 7.51 | 0.572 | 2.15 | 0.059 |
| SB-SEP. N3 8ft | 06/14/2023 | 8 | 8.02 | 0.388 | 2.07 | 0.158 |
| SB-SEP. S 10ft | 06/14/2023 | 10 | 8.55 | 0.344 | 1.64 | 0.114 |
| SB-SEP. S 7ft | 06/14/2023 | 7 | 7.79 | 0.499 | 1.89 | 0.167 |
| SB-SEP. S2 11ft | 06/14/2023 | 11 | 7.61 | 0.728 | 0.849 | 0.0492 |
| SB-SEP. S2 8ft | 06/14/2023 | 8 | 7.79 | 0.311 | 0.448 | 0.223 |
| SB-SEP. W 11ft | 06/14/2023 | 11 | 8.11 | 0.403 | 1.81 | 0.108 |

| Sample ID | Sample Date | Depth (ft) | pH | EC (mmhos/cm) | SAR | Boron (mg/L) |
|---|-------------|------------|---------|------------------|------|--------------|
| COGCC Table 915-1 Soil Suitability Limits | | | 6 - 8.3 | <4 | <6 | 2 |
| SB-SEP. W 8ft | 06/14/2023 | 8 | 7.77 | 0.464 | 1.72 | 0.153 |

Bold faced values exceed the ECMC Table 915-1 concentrations

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

NA - Not analyzed

TABLE 4
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE ENERGY INC.
CLYNCKE STATE B 36-25, BAKER STATE B 36-12, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C022-187

| Sample ID | Sample Date | Depth (ft) | Arsenic (mg/kg) | Barium (mg/kg) | Cadmium (mg/kg) | Chromium (VI) (mg/kg) | Copper (mg/kg) | Lead (mg/kg) | Nickel (mg/kg) | Selenium (mg/kg) | Silver (mg/kg) | Zinc (mg/kg) |
|---|-------------|------------|-----------------|----------------|-----------------|-----------------------|----------------|--------------|----------------|------------------|----------------|--------------|
| ECMC Table 915-1 Limits (Residential SSL) | | | 0.68 | 15000 | 71 | 0.3 | 3100 | 400 | 1500 | 390 | 390 | 23000 |
| ECMC Table 915-1 Limits (Protection of Groundwater SSL) | | | 0.29 | 82 | 0.38 | 0.00067 | 46 | 14 | 26 | 0.26 | 0.8 | 370 |
| SB- AST E 8ft | 06/14/2023 | 8 | 1.23 | 189 | 0.32 | <0.30 | 4.05 | 10.6 | 2.18 | <0.357 | 0.0576 | 11.0 |
| SB- AST E2 9ft | 06/14/2023 | 9 | 4.63 | 175 | 0.411 | <0.30 | 10.6 | 14.50 | 6.31 | <0.331 | 0.108 | 26.4 |
| SB- AST E3 8ft | 06/14/2023 | 8 | 5.23 | 106 | 0.397 | <0.30 | 9.87 | 11.5 | 8.02 | <0.336 | 0.0915 | 23.8 |
| SB- AST N | 06/14/2023 | 8 | 5.25 | 99.2 | 0.26 | <0.30 | 7.65 | 9.01 | 6.54 | <0.343 | 0.049 | 20.1 |
| SB- AST S 12ft | 06/14/2023 | 12 | 1.13 | 122 | <0.259 | <0.30 | 3.27 | 8 | 0.983 | <0.337 | 0.0399 | 8.71 |
| SB- AST S 7ft | 06/14/2023 | 7 | 0.631 | 43.2 | <0.226 | <0.30 | 2.12 | 3.41 | 0.665 | 0.24 | <0.0226 | 6.57 |
| SB- AST S2 12ft | 06/14/2023 | 12 | 0.979 | 128 | 0.26 | <0.30 | 2.97 | 9.08 | 1.15 | <0.322 | 0.0456 | 9.49 |
| SB- AST S2 8ft | 06/14/2023 | 8 | 1.8 | 104 | 0.28 | <0.30 | 3.85 | 10.8 | 2.92 | <0.336 | 0.06 | 10.5 |
| SB- AST W 10ft | 06/14/2023 | 10 | 1.73 | 241 | 0.538 | <0.30 | 4.13 | 13.7 | 2.26 | <0.357 | 0.0703 | 10.8 |
| SB- AST W 8ft | 06/14/2023 | 8 | 1.24 | 143 | 0.351 | <0.30 | 3.7 | 11.1 | 1.71 | <0.337 | 0.0617 | 9.43 |
| SB-SEP. CEN 12ft | 06/14/2023 | 12 | 0.638 | 23.3 | <0.235 | <0.30 | 0.823 | 2.26 | <0.470 | <0.305 | <0.0235 | 4.32 |
| SB-SEP. CEN 7ft | 06/14/2023 | 7 | 0.52 | 33.3 | <0.218 | <0.30 | 1.41 | 2.8 | 0.513 | <0.283 | <0.0218 | 5.07 |
| SB-SEP. E 12ft | 06/14/2023 | 12 | 0.532 | 16.7 | <0.228 | <0.30 | 0.857 | 2.77 | <0.457 | <0.297 | <0.0228 | 4.02 |
| SB-SEP. E 7ft | 06/14/2023 | 7 | 0.865 | 82.4 | 0.24 | <0.30 | 4.01 | 12 | 2.1 | <0.312 | 0.061 | 10.1 |
| SB-SEP. E2 7ft | 06/14/2023 | 7 | 0.479 | 26.5 | <0.233 | <0.30 | 1.46 | 3.13 | <0.466 | <0.303 | <0.0233 | 6.14 |
| SB-SEP. E2 9ft | 06/14/2023 | 9 | 1.18 | 266 | 0.38 | <0.30 | 4.39 | 15.8 | 2.53 | <0.342 | 0.0975 | 12 |
| SB-SEP. N 11ft | 06/14/2023 | 11 | 0.524 | 16.3 | <0.231 | <0.30 | 0.853 | 1.95 | <0.463 | <0.301 | <0.0231 | 4.47 |
| SB-SEP. N 6ft | 06/14/2023 | 6 | 0.525 | 23.1 | <0.217 | <0.30 | 1.21 | 2.67 | 0.437 | <0.282 | <0.0217 | 4.59 |
| SB-SEP. N2 11ft | 06/14/2023 | 11 | 1.91 | 38.1 | <0.231 | <0.30 | 0.979 | 2.84 | 0.548 | <0.300 | <0.0231 | 4.79 |
| SB-SEP. N2 7ft | 06/14/2023 | 7 | 1.1 | 83.6 | <0.259 | <0.30 | 3.26 | 8.73 | 1.78 | <0.337 | 0.0503 | 9.54 |
| SB-SEP. N3 12ft | 06/14/2023 | 12 | 0.5 | 35.5 | <0.239 | <0.30 | 1.07 | 2.66 | 0.585 | <0.311 | <0.0239 | 5.5 |
| SB-SEP. N3 8ft | 06/14/2023 | 8 | 0.987 | 67.3 | <0.249 | <0.30 | 2.71 | 9.16 | 1.68 | <0.324 | 0.0518 | 8.9 |
| SB-SEP. S 10ft | 06/14/2023 | 10 | 1.46 | 72.8 | <0.228 | <0.30 | 1.44 | 3.52 | 1.41 | <0.296 | 0.0228 | 5.59 |
| SB-SEP. S 7ft | 06/14/2023 | 7 | 0.765 | 32.2 | <0.225 | <0.30 | 1.61 | 3.36 | 0.612 | <0.293 | <0.0225 | 5.74 |
| SB-SEP. S2 11ft | 06/14/2023 | 11 | 0.478 | 7.71 | <0.229 | <0.30 | 0.508 | 1.42 | <0.459 | <0.298 | <0.0229 | 2.99 |
| SB-SEP. S2 8ft | 06/14/2023 | 8 | 0.909 | 159 | <0.241 | <0.30 | 3.13 | 9.23 | 1.69 | <0.314 | 0.0492 | 9.3 |
| SB-SEP. W 11ft | 06/14/2023 | 11 | 1.25 | 79.7 | <0.256 | <0.30 | 2.76 | 7.99 | 1.74 | <0.333 | 0.0359 | 8.68 |
| SB-SEP. W 8ft | 06/14/2023 | 8 | 0.76 | 53.2 | <0.231 | <0.30 | 2.57 | 4.72 | 1.23 | <0.300 | 0.0263 | 8.46 |

Bold faced values exceed the ECMC Table 915-1 concentrations

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

* Indicates laboratory minimum detection limit in excess of SSL

NA - Not analyzed

TABLE 5
SUMMARY OF GROUNDWATER ELEVATION DATA AND ORGANIC CHEMISTRY DATA
NOBLE ENERGY INC.
CLYNCKE STATE B 36-25, BAKER STATE B 36-12, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C022-187

| Sample ID | Sample Date | Benzene (µg/L) | Toluene (µg/L) | Ethyl-Benzene (µg/L) | Xylenes (µg/L) | Naphthalene (µg/L) | 1,2,4-Trimethyl-Benzene (µg/L) | 1,3,5-Trimethyl-Benzene (µg/L) | TOC Elevation (ft) | Depth to Groundwater (ft) | Groundwater Elevation (ft) | LNAPL Thickness (ft) |
|-------------------------|-------------|----------------|----------------|----------------------|----------------|--------------------|--------------------------------|--------------------------------|--------------------|---------------------------|----------------------------|----------------------|
| ECMC Table 915-1 Limits | | 5.0 | 560 | 700 | 1400 | 140 | 67 | 67 | | | | |
| EAST | 06/14/2023 | <1.0 | <1.0 | <1.0 | <2.0 | 25 | <1.0 | <1.0 | NM | ~5 | NM | NP |
| WEST | 06/14/2023 | 1.2 | <1.0 | <1.0 | <2.0 | 28 | 1.3 | <1.0 | NM | ~5 | NM | NP |

Bold face values exceed the ECMC concentration limits

Red highlighted 915-1 Limits indicate the referenced groundwater screening level

NP - No measurable LNAPL, NA - Not Analyzed, INA - Inaccessible, IW - Insufficient Water, DES - Destroyed

Clyncke State B36-25, Baker State B 36-12

Fac. # 447562
Rem. # 20768
40.348912 -104.50249
Fremont No. C022-187

Legend

- Impacted Soil Locations

Ex. Extent:
~30'x90'x5'deep

H2O ~5' deep on
6/14/23. Ex. depth
may vary based on
seasonal changes
influencing the
water table.



Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80401

303.277.9310

June 26, 2023

Paul Henehan

Fremont Environmental

PO Box 1289

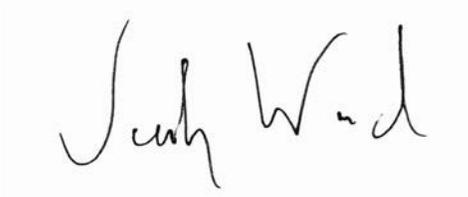
Wellington, CO 80549

RE: Noble - Clyncke B36-25

Work Order # 2306298

Enclosed are the results of analyses for samples received by Summit Scientific on 06/15/23 06:08. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Jacob Wood". The signature is written in a cursive style with a large initial "J" and a long horizontal stroke at the end.

Jacob Wood For Paul Shrewsbury

President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN

Project Manager: Paul Henehan

Reported:
06/26/23 14:16

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------------|---------------|--------|----------------|----------------|
| SB-SEP. CEN 7ft | 2306298-01 | Soil | 06/14/23 00:00 | 06/15/23 06:08 |
| SB-SEP. CEN 12ft | 2306298-02 | Soil | 06/14/23 00:00 | 06/15/23 06:08 |
| SB-SEP. W 8ft | 2306298-03 | Soil | 06/14/23 00:00 | 06/15/23 06:08 |
| SB-SEP. W 11ft | 2306298-04 | Soil | 06/14/23 00:00 | 06/15/23 06:08 |
| SB-SEP. S 7ft | 2306298-05 | Soil | 06/14/23 00:00 | 06/15/23 06:08 |
| SB-SEP. S 10ft | 2306298-06 | Soil | 06/14/23 00:00 | 06/15/23 06:08 |
| SB-SEP. S2 8ft | 2306298-07 | Soil | 06/14/23 00:00 | 06/15/23 06:08 |
| SB-SEP. S2 11ft | 2306298-08 | Soil | 06/14/23 00:00 | 06/15/23 06:08 |
| SB-SEP. N 6ft | 2306298-09 | Soil | 06/14/23 00:00 | 06/15/23 06:08 |
| SB-SEP. N 11ft | 2306298-10 | Soil | 06/14/23 00:00 | 06/15/23 06:08 |
| SB-SEP. N2 7ft | 2306298-11 | Soil | 06/14/23 00:00 | 06/15/23 06:08 |
| SB-SEP. N2 11ft | 2306298-12 | Soil | 06/14/23 00:00 | 06/15/23 06:08 |
| SB-SEP. N3 8ft | 2306298-13 | Soil | 06/14/23 00:00 | 06/15/23 06:08 |
| SB-SEP. N3 12ft | 2306298-14 | Soil | 06/14/23 00:00 | 06/15/23 06:08 |
| SB-SEP. E 7ft | 2306298-15 | Soil | 06/14/23 00:00 | 06/15/23 06:08 |
| SB-SEP. E 12ft | 2306298-16 | Soil | 06/14/23 00:00 | 06/15/23 06:08 |
| SB-SEP. E2 7ft | 2306298-17 | Soil | 06/14/23 00:00 | 06/15/23 06:08 |
| SB-SEP. E2 9ft | 2306298-18 | Soil | 06/14/23 00:00 | 06/15/23 06:08 |
| SB-AST W 8ft | 2306298-19 | Soil | 06/14/23 00:00 | 06/15/23 06:08 |
| SB-AST W 10ft | 2306298-20 | Soil | 06/14/23 00:00 | 06/15/23 06:08 |
| SB-AST S 7ft | 2306298-21 | Soil | 06/14/23 00:00 | 06/15/23 06:08 |
| SB-AST S 12ft | 2306298-22 | Soil | 06/14/23 00:00 | 06/15/23 06:08 |
| SB-AST S2 8ft | 2306298-23 | Soil | 06/14/23 00:00 | 06/15/23 06:08 |
| SB-AST S2 12ft | 2306298-24 | Soil | 06/14/23 00:00 | 06/15/23 06:08 |
| SB-AST E 8ft | 2306298-25 | Soil | 06/14/23 00:00 | 06/15/23 06:08 |
| SB-AST E2 9ft | 2306298-26 | Soil | 06/14/23 00:00 | 06/15/23 06:08 |
| SB-AST E3 8ft | 2306298-27 | Soil | 06/14/23 00:00 | 06/15/23 06:08 |

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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN

Project Manager: Paul Henehan

Reported:
06/26/23 14:16

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| SB- AST N | 2306298-28 | Soil | 06/14/23 00:00 | 06/15/23 06:08 |
| EAST | 2306298-29 | Water | 06/14/23 00:00 | 06/15/23 06:08 |
| WEST | 2306298-30 | Water | 06/14/23 00:00 | 06/15/23 06:08 |

Summit Scientific

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

SUMMIT SCIENTIFIC

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

Lab ID 2306298.1 Page 1 of 2

| | | |
|---------------------------------------|---|---|
| Client: Fremont Environmental | Send Data To: | Send Invoice To: |
| Address: 8305 6th St. | Project Manager: Henchan | Company: |
| City/State/Zip: Wellington, CO | E-Mail: Fremont Dist. List | Project Name/Location: |
| Phone: 603-477-6907 | Project Name: Noble-Clyncke B36-25 | AFE#: |
| Sampler Name: Ethan Black | Project Number: CO22-187 | PO/Billing Codes: UWRWE-A172-ABN |
| | | Contact: |

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | | Analysis Requested | | | | | Special Instructions | | |
|----|--------------------|--------------|--------------|-----------------|--------------|------|------|-------|--------|------|----------------|--------------------|-------------------------|--------------|-----|--------------------|----------------------|--------------------|------------------------|
| | | | | | HCl | HNO3 | None | Other | Water | Soil | Air-Canister # | Other | BTEX, Naphthalene, TMBs | TPH (C6-C16) | PAH | Table 915-1 Metals | | SAR, EC, pH, Boron | TDS, Chloride, Sulfate |
| 1 | SB-SEP. CEN 12FT | 6/14/23 | | 2 | | | | | | | | | | | | | | | |
| 2 | SB-SEP. CEN 12FT | | | 2 | | | X | | | X | | X | X | X | X | X | | | |
| 3 | SB-SEP. W 8FT | | | | | | | | | | | | | | | | | | |
| 4 | SB-SEP. W 11FT | | | | | | | | | | | | | | | | | | |
| 5 | SB-SEP. S 7FT | | | | | | | | | | | | | | | | | | |
| 6 | SB-SEP. S 10FT | | | | | | | | | | | | | | | | | | |
| 7 | SB-SEP. S2 8FT | | | | | | | | | | | | | | | | | | |
| 8 | SB-SEP. S2 11FT | | | | | | | | | | | | | | | | | | |
| 9 | SB-SEP. N 6FT | | | | | | | | | | | | | | | | | | |
| 10 | SB-SEP. N 11FT | | | | | | | | | | | | | | | | | | |
| 11 | SB-SEP. N2 7FT | | | | | | | | | | | | | | | | | | |
| 12 | SB-SEP. N2 11FT | | | | | | | | | | | | | | | | | | |
| 13 | SB-SEP. N3 8FT | | | | | | | | | | | | | | | | | | |
| 14 | SB-SEP. N3 12FT | | | | | | | | | | | | | | | | | | |
| 15 | SB-SEP. E 7FT | | | | | | | | | | | | | | | | | | |

| | | | | | | |
|---------------------------------------|------------------------------------|---------------------------------|---------------------------------|--------------------------|-----------------|---------------|
| Relinquished by: Ethan Black | Date/Time: 6/15/23 6:08 | Received by: S2 | Date/Time: 6/15/23 6:08 | TAT Business Days | Field DO | Notes: |
| | | | | Same Day | Field EC | |
| Relinquished by: S2 | Date/Time: 6/15/23 06:08 | Received by: [Signature] | Date/Time: 6/15/23 06:08 | 1 Day | Field ORP | |
| | | | | 2 Days | Field pH | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | 3 Days | Field Temp. | |
| | | | | Standard | Field Turb. | |
| Temperature Upon Receipt: 17.1 | Corrected Temperature: 17.1 | IR gun #: 1 | HNO3 lot #: | | | |

SUMMIT SCIENTIFIC

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

Lab ID 2306298.2 Page 2 of 2

| | | |
|---------------------------------------|---|---|
| Client: Fremont Environmental | Send Data To: Project Manager: Henehan | Send Invoice To: Company: Noble |
| Address: 8305 6th St. | E-Mail: Fremont Dist. List | Project Name/Location: |
| City/State/Zip: Wellington, CO | | AFE#: |
| Phone: 603-477-6907 | Project Name: Noble - Clunkke B36-25 | PO/Billing Codes: UWRWE - A172 - ABN |
| Sampler Name: Ethan Black | Project Number: C022-187 | Contact: Dan P. |

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | | Analysis Requested | | | | | Special Instructions | | |
|----|-------------------------------|--------------|--------------|-----------------|--------------|------|------|-------|--------|------|----------------|--------------------|-------------------------|--------------|-----|--------------------|----------------------|--------------------|------------------------|
| | | | | | HCl | HNO3 | None | Other | Water | Soil | Air-Canister # | Other | BTEX, Naphthalene, TMBs | TPH (C6-C36) | PAH | Table 915-1 Metals | | SAR, EC, pH, Boron | TDS, Chloride, Sulfate |
| 1 | SB-SEP. E 12 FT | 6/14/23 | | 2 | | | X | | | | | | | X | X | X | X | | |
| 2 | SB-SEP. E2 7 FT | | | | | | | | | | | | | | | | | | |
| 3 | SB-SEP. E2 9 FT | | | | | | | | | | | | | | | | | | |
| 4 | SB- SEP AST W 8 FT | | | | | | | | | | | | | | | | | | |
| 5 | SB-AST W 10 FT | | | | | | | | | | | | | | | | | | |
| 6 | SB-AST S 7 FT | | | | | | | | | | | | | | | | | | |
| 7 | SB-AST S 12 FT | | | | | | | | | | | | | | | | | | |
| 8 | SB-AST S2 8 FT | | | | | | | | | | | | | | | | | | |
| 9 | SB-AST S2 12 FT | | | | | | | | | | | | | | | | | | |
| 10 | SB-AST E 8 FT | | | | | | | | | | | | | | | | | | |
| 11 | SB-AST E2 9 FT | | | | | | | | | | | | | | | | | | |
| 12 | SB-AST E3 8 FT | | | | | | | | | | | | | | | | | | |
| 13 | SB-AST N | | | | | | | | | | | | | | | | | | |
| 14 | EAST | | | 3 | X | | | | | | | | | | | | | | |
| 15 | WEST | | | 3 | X | | | | | | | | | | | | | | |

| | | | | | | |
|---------------------------------------|---------------------------------|---------------------------------|--------------------------------|-------------------|-------------|--------|
| Relinquished by: <u>Ethan Black</u> | Date/Time: <u>6:08 6/15/23</u> | Received by: <u>S2</u> | Date/Time: <u>6:08 6/15/23</u> | TAT Business Days | Field DO | Notes: |
| | | | | Same Day | Field EC | |
| Relinquished by: <u>S2</u> | Date/Time: <u>6:15 6/15/23</u> | Received by: <u>[Signature]</u> | Date/Time: | 1 Day | Field ORP | |
| | | | | 2 Days | Field pH | |
| Relinquished by: <u>[Signature]</u> | Date/Time: | Received by: | Date/Time: | 3 Days | Field Temp. | |
| | | | | Standard | Field Turb. | |
| Temperature Upon Receipt: <u>17.1</u> | Corrected Temperature: <u>6</u> | IR gun #: | | HNO3 lot #: | | |

S₂

2/2

S2 Work Order# 2306298

Sample Receipt Checklist

Client: Fremont Client Project ID: Noble-Cluncke B3e-26

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

-

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

Temp (°C)

Thermometer #

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



Custodian Printed Name

6/15/23 6:08

Date/Time



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. CEN 7ft
2306298-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Benzene | ND | 0.0020 | | mg/kg | 1 | BGF0608 | 06/16/23 | 06/17/23 | 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 | 0.029 | 0.0038 | | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 43 | 0.50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 85.0 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 165 % | | 50-150 | | " | " | " | " | S-02 |
| Surrogate: 4-Bromofluorobenzene | | 420 % | | 50-150 | | " | " | " | " | S-02 |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|-------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| C10-C28 (DRO) | 1100 | 50 | | mg/kg | 1 | BGF0610 | 06/16/23 | 06/16/23 | EPA 8015M | |
| C28-C36 (ORO) | 82 | 50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: o-Terphenyl | | 101 % | | 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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. CEN 7ft
2306298-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------|-------------|-----------|-----|-------|----------|---------|----------|----------|---------------|-------|
| | | Limit | MDL | | | | | | | |
| Acenaphthene | ND | 0.100 | | mg/kg | 20 | BGF0595 | 06/16/23 | 06/19/23 | EPA 8270D SIM | |
| Anthracene | ND | 0.100 | | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.100 | | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.100 | | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.100 | | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.100 | | " | " | " | " | " | " | |
| Chrysene | ND | 0.100 | | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.100 | | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.100 | | " | " | " | " | " | " | |
| Fluorene | ND | 0.100 | | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.100 | | " | " | " | " | " | " | |
| Pyrene | ND | 0.100 | | " | " | " | " | " | " | |
| 1-Methylnaphthalene | 1.91 | 0.100 | | " | " | " | " | " | " | |
| 2-Methylnaphthalene | 1.99 | 0.100 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | | 112 % | | 40-150 | | " | " | 06/16/23 | " | |
| Surrogate: Fluoranthene-d10 | | 98.4 % | | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Boron | 0.136 | 0.0100 | | mg/L | 1 | BGF0745 | 06/21/23 | 06/25/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **06/14/23 00:00**

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

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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

**SB-SEP. CEN 7ft
2306298-01 (Soil)**

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|
| Arsenic | 0.520 | 0.218 | mg/kg dry | 1 | BGF0591 | 06/16/23 | 06/21/23 | EPA 6020B |
| Barium | 33.3 | 0.436 | " | " | " | " | " | " |
| Cadmium | ND | 0.218 | " | " | " | " | " | " |
| Copper | 1.41 | 0.436 | " | " | " | " | " | " |
| Lead | 2.80 | 0.218 | " | " | " | " | " | " |
| Nickel | 0.513 | 0.436 | " | " | " | " | " | " |
| Selenium | ND | 0.283 | 0.191 | " | " | " | " | " |
| Silver | ND | 0.0218 | " | " | " | " | " | " |
| Zinc | 5.07 | 0.436 | " | " | " | " | " | " |

Hexavalent Chromium by EPA Method 7196

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BGF0589 | 06/16/23 | 06/16/23 | EPA 7196A | |

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

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|-----|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 25.0 | 0.0545 | | mg/L dry | 1 | BGF0701 | 06/20/23 | 06/22/23 | EPA 6020B | |
| Magnesium | 9.87 | 0.0545 | | " | " | " | " | " | " | |
| Sodium | 56.9 | 0.0545 | | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 2.44 | 0.00100 | | units | 1 | BGF0824 | 06/22/23 | 06/22/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

**SB-SEP. CEN 7ft
 2306298-01 (Soil)**

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | MDL | | | | | | | |
| % Solids | 91.8 | | | % | 1 | BGF0605 | 06/16/23 | 06/16/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Specific Conductance (EC) | 0.532 | 0.0100 | | mmhos/cm | 1 | BGF0728 | 06/21/23 | 06/21/23 | EPA 120.1 | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| pH | 7.47 | | | pH Units | 1 | BGF0729 | 06/21/23 | 06/21/23 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. CEN 12ft
2306298-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|---------------|-----------------|-----|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | | mg/kg | 1 | BGF0608 | 06/16/23 | 06/17/23 | EPA 8260B | |
| Toluene | ND | 0.0050 | | " | " | " | " | " | " | |
| Ethylbenzene | 0.0078 | 0.0050 | | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | | " | " | " | " | " | " | |
| Naphthalene | 0.024 | 0.0038 | | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 240 | 5.0 | | " | 10 | " | " | 06/17/23 | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|-----|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 101 % | | 50-150 | | " | " | 06/17/23 | " | |
| Surrogate: Toluene-d8 | | 1500 % | | 50-150 | | " | " | " | " | S-02 |
| Surrogate: 4-Bromofluorobenzene | | 2030 % | | 50-150 | | " | " | " | " | S-02 |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|------------|-----------------|-----|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | 590 | 50 | | mg/kg | 1 | BGF0610 | 06/16/23 | 06/16/23 | EPA 8015M | |
| C28-C36 (ORO) | 51 | 50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|-----|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 103 % | | 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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. CEN 12ft
2306298-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|----------------|-----------------|-----|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | | mg/kg | 1 | BGF0595 | 06/16/23 | 06/16/23 | EPA 8270D SIM | |
| Anthracene | ND | 0.00500 | | " | " | " | " | " | " | |
| Benzo (a) anthracene | 0.0102 | 0.00500 | | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.00500 | | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.00500 | | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.00500 | | " | " | " | " | " | " | |
| Chrysene | 0.00878 | 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 | 0.00549 | 0.00500 | | " | " | " | " | " | " | |
| 1-Methylnaphthalene | 0.348 | 0.00500 | | " | " | " | " | " | " | E |
| 2-Methylnaphthalene | ND | 0.00500 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|-----|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 51.7 % | | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 110 % | | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------------|-----|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.140 | 0.0100 | | mg/L | 1 | BGF0745 | 06/21/23 | 06/26/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **06/14/23 00:00**

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

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

**SB-SEP. CEN 12ft
2306298-02 (Soil)**

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 0.638 | 0.235 | | mg/kg dry | 1 | BGF0591 | 06/16/23 | 06/21/23 | EPA 6020B | |
| Barium | 23.3 | 0.470 | | " | " | " | " | " | " | |
| Cadmium | ND | 0.235 | | " | " | " | " | " | " | |
| Copper | 0.823 | 0.470 | | " | " | " | " | " | " | |
| Lead | 2.26 | 0.235 | | " | " | " | " | " | " | |
| Nickel | ND | 0.470 | | " | " | " | " | " | " | |
| Selenium | ND | 0.305 | 0.206 | " | " | " | " | " | " | |
| Silver | ND | 0.0235 | | " | " | " | " | " | " | |
| Zinc | 4.32 | 0.470 | | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BGF0589 | 06/16/23 | 06/16/23 | EPA 7196A | |

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

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|-----|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 49.4 | 0.0587 | | mg/L dry | 1 | BGF0701 | 06/20/23 | 06/22/23 | EPA 6020B | |
| Magnesium | 19.2 | 0.0587 | | " | " | " | " | " | " | |
| Sodium | 56.4 | 0.0587 | | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 1.72 | 0.00100 | | units | 1 | BGF0824 | 06/22/23 | 06/22/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

**SB-SEP. CEN 12ft
 2306298-02 (Soil)**

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | MDL | | | | | | | |
| % Solids | 85.1 | | | % | 1 | BGF0605 | 06/16/23 | 06/16/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Specific Conductance (EC) | 0.964 | 0.0100 | | mmhos/cm | 1 | BGF0728 | 06/21/23 | 06/21/23 | EPA 120.1 | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| pH | 7.55 | | | pH Units | 1 | BGF0729 | 06/21/23 | 06/21/23 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. W 8ft
2306298-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|-------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Benzene | ND | 0.0020 | | mg/kg | 1 | BGF0608 | 06/16/23 | 06/17/23 | 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 | 0.86 | 0.50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 106 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 104 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 102 % | | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| C10-C28 (DRO) | ND | 50 | | mg/kg | 1 | BGF0610 | 06/16/23 | 06/16/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: o-Terphenyl | | 98.7 % | | 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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. W 8ft
2306298-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | | mg/kg | 1 | BGF0595 | 06/16/23 | 06/16/23 | 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: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|-----|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 68.7 % | | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 78.1 % | | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------------|-----|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.153 | 0.0100 | | mg/L | 1 | BGF0745 | 06/21/23 | 06/26/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **06/14/23 00:00**

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

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. W 8ft
2306298-03 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 0.760 | 0.231 | | mg/kg dry | 1 | BGF0591 | 06/16/23 | 06/21/23 | EPA 6020B | |
| Barium | 53.2 | 0.462 | | " | " | " | " | " | " | |
| Cadmium | ND | 0.231 | | " | " | " | " | " | " | |
| Copper | 2.57 | 0.462 | | " | " | " | " | " | " | |
| Lead | 4.72 | 0.231 | | " | " | " | " | " | " | |
| Nickel | 1.23 | 0.462 | | " | " | " | " | " | " | |
| Selenium | ND | 0.300 | 0.202 | " | " | " | " | " | " | |
| Silver | 0.0263 | 0.0231 | | " | " | " | " | " | " | |
| Zinc | 8.46 | 0.462 | | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BGF0589 | 06/16/23 | 06/16/23 | EPA 7196A | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|-----|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 23.0 | 0.0577 | | mg/L dry | 1 | BGF0701 | 06/20/23 | 06/22/23 | EPA 6020B | |
| Magnesium | 7.30 | 0.0577 | | " | " | " | " | " | " | |
| Sodium | 37.0 | 0.0577 | | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 1.72 | 0.00100 | | units | 1 | BGF0824 | 06/22/23 | 06/22/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

SB-SEP. W 8ft
2306298-03 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | MDL | | | | | | | |
| % Solids | 86.7 | | | % | 1 | BGF0605 | 06/16/23 | 06/16/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Specific Conductance (EC) | 0.464 | 0.0100 | | mmhos/cm | 1 | BGF0728 | 06/21/23 | 06/21/23 | EPA 120.1 | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| pH | 7.77 | | | pH Units | 1 | BGF0729 | 06/21/23 | 06/21/23 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. W 11ft
2306298-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Benzene | ND | 0.0020 | | mg/kg | 1 | BGF0608 | 06/16/23 | 06/17/23 | 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 | 0.011 | 0.0038 | | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 19 | 0.50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 90.5 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 165 % | | 50-150 | | " | " | " | " | S-02 |
| Surrogate: 4-Bromofluorobenzene | | 418 % | | 50-150 | | " | " | " | " | S-02 |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| C10-C28 (DRO) | 120 | 50 | | mg/kg | 1 | BGF0610 | 06/16/23 | 06/17/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: o-Terphenyl | | 98.7 % | | 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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. W 11ft
2306298-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------|---------------|-----------------|-----|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | | mg/kg | 1 | BGF0595 | 06/16/23 | 06/16/23 | 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 | 0.0557 | 0.00500 | | " | " | " | " | " | " | |
| 2-Methylnaphthalene | 0.0819 | 0.00500 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|-----|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 84.2 % | | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 70.6 % | | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------------|-----|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.108 | 0.0100 | | mg/L | 1 | BGF0745 | 06/21/23 | 06/26/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **06/14/23 00:00**

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

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. W 11ft
2306298-04 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 1.25 | 0.256 | | mg/kg dry | 1 | BGF0591 | 06/16/23 | 06/21/23 | EPA 6020B | |
| Barium | 79.7 | 0.512 | | " | " | " | " | " | " | |
| Cadmium | ND | 0.256 | | " | " | " | " | " | " | |
| Copper | 2.76 | 0.512 | | " | " | " | " | " | " | |
| Lead | 7.99 | 0.256 | | " | " | " | " | " | " | |
| Nickel | 1.74 | 0.512 | | " | " | " | " | " | " | |
| Selenium | ND | 0.333 | 0.224 | " | " | " | " | " | " | |
| Silver | 0.0359 | 0.0256 | | " | " | " | " | " | " | |
| Zinc | 8.68 | 0.512 | | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BGF0589 | 06/16/23 | 06/16/23 | EPA 7196A | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|-----|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 22.2 | 0.0640 | | mg/L dry | 1 | BGF0701 | 06/20/23 | 06/22/23 | EPA 6020B | |
| Magnesium | 7.52 | 0.0640 | | " | " | " | " | " | " | |
| Sodium | 38.7 | 0.0640 | | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 1.81 | 0.00100 | | units | 1 | BGF0824 | 06/22/23 | 06/22/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

**SB-SEP. W 11ft
 2306298-04 (Soil)**

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | MDL | | | | | | | |
| % Solids | 78.1 | | | % | 1 | BGF0605 | 06/16/23 | 06/16/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Specific Conductance (EC) | 0.403 | 0.0100 | | mmhos/cm | 1 | BGF0728 | 06/21/23 | 06/21/23 | EPA 120.1 | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| pH | 8.11 | | | pH Units | 1 | BGF0729 | 06/21/23 | 06/21/23 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. S 7ft
2306298-05 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|---------------|-----------------|-----|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | | mg/kg | 1 | BGF0608 | 06/16/23 | 06/17/23 | EPA 8260B | |
| Toluene | ND | 0.0050 | | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | 0.32 | 0.0050 | | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | | " | " | " | " | " | " | |
| Naphthalene | 0.0066 | 0.0038 | | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 20 | 0.50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|-----|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 92.2 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 127 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 238 % | | 50-150 | | " | " | " | " | S-02 |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|------------|-----------------|-----|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | 300 | 50 | | mg/kg | 1 | BGF0610 | 06/16/23 | 06/17/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|-----|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 103 % | | 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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. S 7ft
2306298-05 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------|---------------|-----------|-----|-------|----------|---------|----------|----------|---------------|-------|
| | | Limit | MDL | | | | | | | |
| Acenaphthene | ND | 0.00500 | | mg/kg | 1 | BGF0595 | 06/16/23 | 06/16/23 | 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 | 0.0876 | 0.00500 | | " | " | " | " | " | " | |
| 2-Methylnaphthalene | 0.138 | 0.00500 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | | 61.6 % | | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 68.6 % | | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Boron | 0.167 | 0.0100 | | mg/L | 1 | BGF0745 | 06/21/23 | 06/26/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **06/14/23 00:00**

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

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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. S 7ft
2306298-05 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|
| Arsenic | 0.765 | 0.225 | mg/kg dry | 1 | BGF0591 | 06/16/23 | 06/21/23 | EPA 6020B |
| Barium | 32.2 | 0.450 | " | " | " | " | " | " |
| Cadmium | ND | 0.225 | " | " | " | " | " | " |
| Copper | 1.61 | 0.450 | " | " | " | " | " | " |
| Lead | 3.36 | 0.225 | " | " | " | " | " | " |
| Nickel | 0.612 | 0.450 | " | " | " | " | " | " |
| Selenium | ND | 0.293 | 0.197 | " | " | " | " | " |
| Silver | ND | 0.0225 | " | " | " | " | " | " |
| Zinc | 5.74 | 0.450 | " | " | " | " | " | " |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BGF0589 | 06/16/23 | 06/16/23 | EPA 7196A | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|-----|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 21.3 | 0.0563 | | mg/L dry | 1 | BGF0701 | 06/20/23 | 06/22/23 | EPA 6020B | |
| Magnesium | 8.02 | 0.0563 | | " | " | " | " | " | " | |
| Sodium | 40.4 | 0.0563 | | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 1.89 | 0.00100 | | units | 1 | BGF0824 | 06/22/23 | 06/22/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

SB-SEP. S 7ft
2306298-05 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | MDL | | | | | | | |
| % Solids | 88.8 | | | % | 1 | BGF0605 | 06/16/23 | 06/16/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Specific Conductance (EC) | 0.499 | 0.0100 | | mmhos/cm | 1 | BGF0728 | 06/21/23 | 06/21/23 | EPA 120.1 | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| pH | 7.79 | | | pH Units | 1 | BGF0729 | 06/21/23 | 06/21/23 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. S 10ft
2306298-06 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------------|-----------------|-----|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | | mg/kg | 1 | BGF0608 | 06/16/23 | 06/17/23 | EPA 8260B | |
| Toluene | ND | 0.0050 | | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | 0.032 | 0.0050 | | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | | " | " | " | " | " | " | |
| Naphthalene | 0.11 | 0.0038 | | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 28 | 0.50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|-----|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 91.9 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 157 % | | 50-150 | | " | " | " | " | S-02 |
| Surrogate: 4-Bromofluorobenzene | | 292 % | | 50-150 | | " | " | " | " | S-02 |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|------------|-----------------|-----|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | 490 | 50 | | mg/kg | 1 | BGF0610 | 06/16/23 | 06/17/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|-----|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 105 % | | 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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. S 10ft
2306298-06 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------|--------------|-----------|-----|-------|----------|---------|----------|----------|---------------|-------|
| | | Limit | MDL | | | | | | | |
| Acenaphthene | ND | 0.00500 | | mg/kg | 1 | BGF0595 | 06/16/23 | 06/16/23 | 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 | 0.560 | 0.00500 | | " | " | " | " | " | " | E |
| 2-Methylnaphthalene | 0.563 | 0.00500 | | " | " | " | " | " | " | E |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | | 49.1 % | | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 85.3 % | | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Boron | 0.114 | 0.0100 | | mg/L | 1 | BGF0745 | 06/21/23 | 06/26/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **06/14/23 00:00**

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

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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. S 10ft
2306298-06 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 1.46 | 0.228 | | mg/kg dry | 1 | BGF0591 | 06/16/23 | 06/21/23 | EPA 6020B | |
| Barium | 72.8 | 0.455 | | " | " | " | " | " | " | |
| Cadmium | ND | 0.228 | | " | " | " | " | " | " | |
| Copper | 1.44 | 0.455 | | " | " | " | " | " | " | |
| Lead | 3.52 | 0.228 | | " | " | " | " | " | " | |
| Nickel | 1.41 | 0.455 | | " | " | " | " | " | " | |
| Selenium | ND | 0.296 | 0.199 | " | " | " | " | " | " | |
| Silver | 0.0228 | 0.0228 | | " | " | " | " | " | " | |
| Zinc | 5.59 | 0.455 | | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BGF0589 | 06/16/23 | 06/16/23 | EPA 7196A | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|-----|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 25.2 | 0.0569 | | mg/L dry | 1 | BGF0701 | 06/20/23 | 06/22/23 | EPA 6020B | |
| Magnesium | 5.84 | 0.0569 | | " | " | " | " | " | " | |
| Sodium | 35.1 | 0.0569 | | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 1.64 | 0.00100 | | units | 1 | BGF0824 | 06/22/23 | 06/22/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

SB-SEP. S 10ft
2306298-06 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | MDL | | | | | | | |
| % Solids | 87.9 | | | % | 1 | BGF0605 | 06/16/23 | 06/16/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Specific Conductance (EC) | 0.344 | 0.0100 | | mmhos/cm | 1 | BGF0728 | 06/21/23 | 06/21/23 | EPA 120.1 | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| pH | 8.55 | | | pH Units | 1 | BGF0729 | 06/21/23 | 06/21/23 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. S2 8ft
2306298-07 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Benzene | ND | 0.0020 | | mg/kg | 1 | BGF0608 | 06/16/23 | 06/17/23 | 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: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 93.2 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 96.8 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 123 % | | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| C10-C28 (DRO) | ND | 50 | | mg/kg | 1 | BGF0610 | 06/16/23 | 06/17/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: o-Terphenyl | | 98.5 % | | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. S2 8ft
2306298-07 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | | mg/kg | 1 | BGF0595 | 06/16/23 | 06/16/23 | 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: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|-----|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 45.3 % | | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 43.6 % | | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------------|-----|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.223 | 0.0100 | | mg/L | 1 | BGF0745 | 06/21/23 | 06/26/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **06/14/23 00:00**

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

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. S2 8ft
2306298-07 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 0.909 | 0.241 | | mg/kg dry | 1 | BGF0660 | 06/19/23 | 06/22/23 | EPA 6020B | |
| Barium | 159 | 0.482 | | " | " | " | " | " | " | |
| Cadmium | ND | 0.241 | | " | " | " | " | " | " | |
| Copper | 3.13 | 0.482 | | " | " | " | " | " | " | |
| Lead | 9.23 | 0.241 | | " | " | " | " | " | " | |
| Nickel | 1.69 | 0.482 | | " | " | " | " | " | " | |
| Selenium | ND | 0.314 | 0.211 | " | " | " | " | " | " | |
| Silver | 0.0492 | 0.0241 | | " | " | " | " | " | " | |
| Zinc | 9.30 | 0.482 | | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BGF0589 | 06/16/23 | 06/16/23 | EPA 7196A | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|-----|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 22.6 | 0.0603 | | mg/L dry | 1 | BGF0701 | 06/20/23 | 06/22/23 | EPA 6020B | |
| Magnesium | 6.44 | 0.0603 | | " | " | " | " | " | " | |
| Sodium | 9.38 | 0.0603 | | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.448 | 0.00100 | | units | 1 | BGF0824 | 06/22/23 | 06/22/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

SB-SEP. S2 8ft
2306298-07 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | MDL | | | | | | | |
| % Solids | 82.9 | | | % | 1 | BGF0605 | 06/16/23 | 06/16/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Specific Conductance (EC) | 0.311 | 0.0100 | | mmhos/cm | 1 | BGF0728 | 06/21/23 | 06/21/23 | EPA 120.1 | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| pH | 7.79 | | | pH Units | 1 | BGF0729 | 06/21/23 | 06/21/23 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. S2 11ft
2306298-08 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|---------------|-----------------|-----|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | | mg/kg | 1 | BGF0608 | 06/16/23 | 06/17/23 | 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 | 0.0041 | 0.0038 | | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|-----|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 93.4 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 103 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 393 % | | 50-150 | | " | " | " | " | S-02 |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|------------|-----------------|-----|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | 330 | 50 | | mg/kg | 1 | BGF0610 | 06/16/23 | 06/17/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|-----|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 101 % | | 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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. S2 11ft
2306298-08 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | | mg/kg | 1 | BGF0595 | 06/16/23 | 06/16/23 | 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: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|-----|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 66.0 % | | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 81.1 % | | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|---------------|-----------------|-----|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.0492 | 0.0100 | | mg/L | 1 | BGF0745 | 06/21/23 | 06/26/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **06/14/23 00:00**

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

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. S2 11ft
2306298-08 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 0.478 | 0.229 | | mg/kg dry | 1 | BGF0660 | 06/19/23 | 06/22/23 | EPA 6020B | |
| Barium | 7.71 | 0.459 | | " | " | " | " | " | " | |
| Cadmium | ND | 0.229 | | " | " | " | " | " | " | |
| Copper | 0.508 | 0.459 | | " | " | " | " | " | " | |
| Lead | 1.42 | 0.229 | | " | " | " | " | " | " | |
| Nickel | ND | 0.459 | | " | " | " | " | " | " | |
| Selenium | ND | 0.298 | 0.201 | " | " | " | " | " | " | |
| Silver | ND | 0.0229 | | " | " | " | " | " | " | |
| Zinc | 2.99 | 0.459 | | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BGF0589 | 06/16/23 | 06/16/23 | EPA 7196A | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|-----|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 49.4 | 0.0574 | | mg/L dry | 1 | BGF0701 | 06/20/23 | 06/22/23 | EPA 6020B | |
| Magnesium | 15.9 | 0.0574 | | " | " | " | " | " | " | |
| Sodium | 26.8 | 0.0574 | | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.849 | 0.00100 | | units | 1 | BGF0824 | 06/22/23 | 06/22/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

SB-SEP. S2 11ft
2306298-08 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | MDL | | | | | | | |
| % Solids | 87.2 | | | % | 1 | BGF0605 | 06/16/23 | 06/16/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Specific Conductance (EC) | 0.728 | 0.0100 | | mmhos/cm | 1 | BGF0728 | 06/21/23 | 06/21/23 | EPA 120.1 | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| pH | 7.61 | | | pH Units | 1 | BGF0729 | 06/21/23 | 06/21/23 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. N 6ft
2306298-09 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|-------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Benzene | ND | 0.0020 | | mg/kg | 1 | BGF0609 | 06/16/23 | 06/16/23 | EPA 8260B | |
| Toluene | ND | 0.0050 | | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | 0.82 | 0.0050 | | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | | " | " | " | " | " | " | |
| Naphthalene | 0.39 | 0.0038 | | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 72 | 0.50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 97.4 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 74.6 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 341 % | | 50-150 | | " | " | " | " | S-02 |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|-------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| C10-C28 (DRO) | 2400 | 50 | | mg/kg | 1 | BGF0611 | 06/16/23 | 06/16/23 | EPA 8015M | |
| C28-C36 (ORO) | 680 | 50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: o-Terphenyl | | 106 % | | 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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. N 6ft
2306298-09 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------|-------------|-----------|-----|-------|----------|---------|----------|----------|---------------|-------|
| | | Limit | MDL | | | | | | | |
| Acenaphthene | ND | 0.100 | | mg/kg | 20 | BGF0595 | 06/16/23 | 06/19/23 | EPA 8270D SIM | |
| Anthracene | ND | 0.100 | | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.100 | | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.100 | | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.100 | | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.100 | | " | " | " | " | " | " | |
| Chrysene | ND | 0.100 | | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.100 | | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.100 | | " | " | " | " | " | " | |
| Fluorene | ND | 0.100 | | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.100 | | " | " | " | " | " | " | |
| Pyrene | ND | 0.100 | | " | " | " | " | " | " | |
| 1-Methylnaphthalene | 1.93 | 0.100 | | " | " | " | " | " | " | |
| 2-Methylnaphthalene | 3.45 | 0.100 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | | 69.7 % | | 40-150 | | " | " | 06/16/23 | " | |
| Surrogate: Fluoranthene-d10 | | 44.3 % | | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Boron | 0.109 | 0.0100 | | mg/L | 1 | BGF0745 | 06/21/23 | 06/26/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **06/14/23 00:00**

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

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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. N 6ft
2306298-09 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|
| Arsenic | 0.525 | 0.217 | mg/kg dry | 1 | BGF0660 | 06/19/23 | 06/22/23 | EPA 6020B |
| Barium | 23.1 | 0.433 | " | " | " | " | " | " |
| Cadmium | ND | 0.217 | " | " | " | " | " | " |
| Copper | 1.21 | 0.433 | " | " | " | " | " | " |
| Lead | 2.67 | 0.217 | " | " | " | " | " | " |
| Nickel | 0.437 | 0.433 | " | " | " | " | " | " |
| Selenium | ND | 0.282 | 0.190 | " | " | " | " | " |
| Silver | ND | 0.0217 | " | " | " | " | " | " |
| Zinc | 4.59 | 0.433 | " | " | " | " | " | " |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BGF0589 | 06/16/23 | 06/16/23 | EPA 7196A | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|-----|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 22.1 | 0.0541 | | mg/L dry | 1 | BGF0701 | 06/20/23 | 06/22/23 | EPA 6020B | |
| Magnesium | 8.44 | 0.0541 | | " | " | " | " | " | " | |
| Sodium | 21.3 | 0.0541 | | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.977 | 0.00100 | | units | 1 | BGF0824 | 06/22/23 | 06/22/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

SB-SEP. N 6ft
2306298-09 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | MDL | | | | | | | |
| % Solids | 92.3 | | | % | 1 | BGF0605 | 06/16/23 | 06/16/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Specific Conductance (EC) | 0.362 | 0.0100 | | mmhos/cm | 1 | BGF0728 | 06/21/23 | 06/21/23 | EPA 120.1 | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| pH | 7.66 | | | pH Units | 1 | BGF0729 | 06/21/23 | 06/21/23 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. N 11ft
2306298-10 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Benzene | ND | 0.0020 | | mg/kg | 1 | BGF0609 | 06/16/23 | 06/17/23 | 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 | 0.067 | 0.0038 | | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 470 | 5.0 | | " | 10 | " | " | 06/16/23 | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 130 % | | 50-150 | | " | " | 06/17/23 | " | |
| Surrogate: Toluene-d8 | | 77.6 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 1560 % | | 50-150 | | " | " | " | " | S-02 |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| C10-C28 (DRO) | 320 | 50 | | mg/kg | 1 | BGF0611 | 06/16/23 | 06/16/23 | EPA 8015M | |
| C28-C36 (ORO) | 180 | 50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: o-Terphenyl | | 96.1 % | | 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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. N 11ft
2306298-10 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------|--------------|-----------|-----|-------|----------|---------|----------|----------|---------------|-------|
| | | Limit | MDL | | | | | | | |
| Acenaphthene | ND | 0.100 | | mg/kg | 20 | BGF0595 | 06/16/23 | 06/19/23 | EPA 8270D SIM | |
| Anthracene | ND | 0.100 | | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.100 | | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.100 | | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.100 | | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.100 | | " | " | " | " | " | " | |
| Chrysene | ND | 0.100 | | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.100 | | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.100 | | " | " | " | " | " | " | |
| Fluorene | ND | 0.100 | | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.100 | | " | " | " | " | " | " | |
| Pyrene | ND | 0.100 | | " | " | " | " | " | " | |
| 1-Methylnaphthalene | 0.483 | 0.100 | | " | " | " | " | " | " | |
| 2-Methylnaphthalene | 1.16 | 0.100 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | | 109 % | | 40-150 | | " | " | 06/16/23 | " | |
| Surrogate: Fluoranthene-d10 | | 107 % | | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|---------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Boron | 0.0859 | 0.0100 | | mg/L | 1 | BGF0745 | 06/21/23 | 06/26/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **06/14/23 00:00**

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

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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. N 11ft
2306298-10 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 0.524 | 0.231 | | mg/kg dry | 1 | BGF0660 | 06/19/23 | 06/22/23 | EPA 6020B | |
| Barium | 16.3 | 0.463 | | " | " | " | " | " | " | |
| Cadmium | ND | 0.231 | | " | " | " | " | " | " | |
| Copper | 0.853 | 0.463 | | " | " | " | " | " | " | |
| Lead | 1.95 | 0.231 | | " | " | " | " | " | " | |
| Nickel | ND | 0.463 | | " | " | " | " | " | " | |
| Selenium | ND | 0.301 | 0.202 | " | " | " | " | " | " | |
| Silver | ND | 0.0231 | | " | " | " | " | " | " | |
| Zinc | 4.47 | 0.463 | | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BGF0589 | 06/16/23 | 06/16/23 | EPA 7196A | |

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

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|-----|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 31.7 | 0.0578 | | mg/L dry | 1 | BGF0701 | 06/20/23 | 06/22/23 | EPA 6020B | |
| Magnesium | 7.59 | 0.0578 | | " | " | " | " | " | " | |
| Sodium | 54.5 | 0.0578 | | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 2.26 | 0.00100 | | units | 1 | BGF0824 | 06/22/23 | 06/22/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

**SB-SEP. N 11ft
 2306298-10 (Soil)**

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | MDL | | | | | | | |
| % Solids | 86.5 | | | % | 1 | BGF0605 | 06/16/23 | 06/16/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Specific Conductance (EC) | 0.545 | 0.0100 | | mmhos/cm | 1 | BGF0728 | 06/21/23 | 06/21/23 | EPA 120.1 | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| pH | 8.21 | | | pH Units | 1 | BGF0729 | 06/21/23 | 06/21/23 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. N2 7ft
2306298-11 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|-------------|-----------------|-----|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | | mg/kg | 1 | BGF0609 | 06/16/23 | 06/16/23 | 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 | 0.20 | 0.0038 | | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 26 | 0.50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|-----|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 92.2 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 111 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 333 % | | 50-150 | | " | " | " | " | S-02 |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|------------|-----------------|-----|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | 280 | 50 | | mg/kg | 1 | BGF0611 | 06/16/23 | 06/16/23 | EPA 8015M | |
| C28-C36 (ORO) | 88 | 50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|-----|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 107 % | | 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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. N2 7ft
2306298-11 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------|---------------|-----------------|-----|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | | mg/kg | 1 | BGF0595 | 06/16/23 | 06/16/23 | 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 | 0.0599 | 0.00500 | | " | " | " | " | " | " | |
| 2-Methylnaphthalene | 0.0740 | 0.00500 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|-----|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 84.1 % | | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 76.2 % | | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------------|-----|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.151 | 0.0100 | | mg/L | 1 | BGF0745 | 06/21/23 | 06/26/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **06/14/23 00:00**

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

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. N2 7ft
2306298-11 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 1.10 | 0.259 | | mg/kg dry | 1 | BGF0660 | 06/19/23 | 06/22/23 | EPA 6020B | |
| Barium | 83.6 | 0.518 | | " | " | " | " | " | " | |
| Cadmium | ND | 0.259 | | " | " | " | " | " | " | |
| Copper | 3.26 | 0.518 | | " | " | " | " | " | " | |
| Lead | 8.73 | 0.259 | | " | " | " | " | " | " | |
| Nickel | 1.78 | 0.518 | | " | " | " | " | " | " | |
| Selenium | ND | 0.337 | 0.227 | " | " | " | " | " | " | |
| Silver | 0.0503 | 0.0259 | | " | " | " | " | " | " | |
| Zinc | 9.54 | 0.518 | | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BGF0589 | 06/16/23 | 06/16/23 | EPA 7196A | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|-----|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 22.2 | 0.0648 | | mg/L dry | 1 | BGF0701 | 06/20/23 | 06/22/23 | EPA 6020B | |
| Magnesium | 6.75 | 0.0648 | | " | " | " | " | " | " | |
| Sodium | 57.5 | 0.0648 | | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 2.74 | 0.00100 | | units | 1 | BGF0824 | 06/22/23 | 06/22/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

**SB-SEP. N2 7ft
 2306298-11 (Soil)**

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | MDL | | | | | | | |
| % Solids | 77.2 | | | % | 1 | BGF0605 | 06/16/23 | 06/16/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Specific Conductance (EC) | 0.490 | 0.0100 | | mmhos/cm | 1 | BGF0728 | 06/21/23 | 06/21/23 | EPA 120.1 | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| pH | 8.52 | | | pH Units | 1 | BGF0729 | 06/21/23 | 06/21/23 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. N2 11ft
2306298-12 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|-------------|-----------------|-----|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | | mg/kg | 1 | BGF0609 | 06/16/23 | 06/17/23 | 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 | 0.25 | 0.0038 | | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 4.0 | 0.50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|-----|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 118 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 58.0 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 714 % | | 50-150 | | " | " | " | " | S-02 |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|------------|-----------------|-----|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | 360 | 50 | | mg/kg | 1 | BGF0611 | 06/16/23 | 06/16/23 | EPA 8015M | |
| C28-C36 (ORO) | 110 | 50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|-----|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 102 % | | 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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. N2 11ft
2306298-12 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------|--------------|-----------|-----|-------|----------|---------|----------|----------|---------------|-------|
| | | Limit | MDL | | | | | | | |
| Acenaphthene | ND | 0.100 | | mg/kg | 20 | BGF0595 | 06/16/23 | 06/19/23 | EPA 8270D SIM | |
| Anthracene | ND | 0.100 | | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.100 | | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.100 | | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.100 | | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.100 | | " | " | " | " | " | " | |
| Chrysene | ND | 0.100 | | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.100 | | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.100 | | " | " | " | " | " | " | |
| Fluorene | ND | 0.100 | | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.100 | | " | " | " | " | " | " | |
| Pyrene | ND | 0.100 | | " | " | " | " | " | " | |
| 1-Methylnaphthalene | 0.520 | 0.100 | | " | " | " | " | " | " | |
| 2-Methylnaphthalene | 1.01 | 0.100 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | | 826 % | | 40-150 | | " | " | 06/17/23 | " | S-02 |
| Surrogate: Fluoranthene-d10 | | 93.2 % | | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Boron | 0.115 | 0.0100 | | mg/L | 1 | BGF0745 | 06/21/23 | 06/26/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **06/14/23 00:00**

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

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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. N2 11ft
2306298-12 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|
| Arsenic | 1.91 | 0.231 | mg/kg dry | 1 | BGF0660 | 06/19/23 | 06/22/23 | EPA 6020B |
| Barium | 38.1 | 0.461 | " | " | " | " | " | " |
| Cadmium | ND | 0.231 | " | " | " | " | " | " |
| Copper | 0.979 | 0.461 | " | " | " | " | " | " |
| Lead | 2.84 | 0.231 | " | " | " | " | " | " |
| Nickel | 0.548 | 0.461 | " | " | " | " | " | " |
| Selenium | ND | 0.300 | 0.202 | " | " | " | " | " |
| Silver | ND | 0.0231 | " | " | " | " | " | " |
| Zinc | 4.79 | 0.461 | " | " | " | " | " | " |

Hexavalent Chromium by EPA Method 7196

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BGF0589 | 06/16/23 | 06/16/23 | EPA 7196A | |

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

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|-----|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 32.5 | 0.0577 | | mg/L dry | 1 | BGF0701 | 06/20/23 | 06/22/23 | EPA 6020B | |
| Magnesium | 11.1 | 0.0577 | | " | " | " | " | " | " | |
| Sodium | 69.7 | 0.0577 | | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 2.69 | 0.00100 | | units | 1 | BGF0824 | 06/22/23 | 06/22/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

SB-SEP. N2 11ft
2306298-12 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | MDL | | | | | | | |
| % Solids | 86.7 | | | % | 1 | BGF0605 | 06/16/23 | 06/16/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Specific Conductance (EC) | 0.816 | 0.0100 | | mmhos/cm | 1 | BGF0728 | 06/21/23 | 06/21/23 | EPA 120.1 | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| pH | 7.98 | | | pH Units | 1 | BGF0729 | 06/21/23 | 06/21/23 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. N3 8ft
2306298-13 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Benzene | ND | 0.0020 | | mg/kg | 1 | BGF0609 | 06/16/23 | 06/16/23 | 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: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 92.5 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 98.2 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 101 % | | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| C10-C28 (DRO) | ND | 50 | | mg/kg | 1 | BGF0611 | 06/16/23 | 06/16/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: o-Terphenyl | | 98.7 % | | 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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

SB-SEP. N3 8ft
2306298-13 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------|-----|-------|----------|---------|----------|----------|---------------|-------|
| | | Limit | MDL | | | | | | | |
| Acenaphthene | ND | 0.00500 | | mg/kg | 1 | BGF0595 | 06/16/23 | 06/17/23 | 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: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | | 65.2 % | | 40-150 | | " | " | " | " | " |
| Surrogate: Fluoranthene-d10 | | 71.2 % | | 40-150 | | " | " | " | " | " |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Boron | 0.158 | 0.0100 | | mg/L | 1 | BGF0745 | 06/21/23 | 06/26/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **06/14/23 00:00**

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

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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. N3 8ft
2306298-13 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 0.987 | 0.249 | | mg/kg dry | 1 | BGF0660 | 06/19/23 | 06/22/23 | EPA 6020B | |
| Barium | 67.3 | 0.498 | | " | " | " | " | " | " | |
| Cadmium | ND | 0.249 | | " | " | " | " | " | " | |
| Copper | 2.71 | 0.498 | | " | " | " | " | " | " | |
| Lead | 9.16 | 0.249 | | " | " | " | " | " | " | |
| Nickel | 1.68 | 0.498 | | " | " | " | " | " | " | |
| Selenium | ND | 0.324 | 0.218 | " | " | " | " | " | " | |
| Silver | 0.0518 | 0.0249 | | " | " | " | " | " | " | |
| Zinc | 8.90 | 0.498 | | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BGF0589 | 06/16/23 | 06/16/23 | EPA 7196A | |

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

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|-----|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 21.3 | 0.0623 | | mg/L dry | 1 | BGF0701 | 06/20/23 | 06/22/23 | EPA 6020B | |
| Magnesium | 5.71 | 0.0623 | | " | " | " | " | " | " | |
| Sodium | 41.7 | 0.0623 | | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 2.07 | 0.00100 | | units | 1 | BGF0824 | 06/22/23 | 06/22/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

SB-SEP. N3 8ft
2306298-13 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|-------------|-----------|-----|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | MDL | | | | | | | |
| % Solids | 80.3 | | | % | 1 | BGF0605 | 06/16/23 | 06/16/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Specific Conductance (EC) | 0.388 | 0.0100 | | mmhos/cm | 1 | BGF0728 | 06/21/23 | 06/21/23 | EPA 120.1 | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|-------------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| pH | 8.02 | | | pH Units | 1 | BGF0729 | 06/21/23 | 06/21/23 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. N3 12ft
2306298-14 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Benzene | ND | 0.0020 | | mg/kg | 1 | BGF0609 | 06/16/23 | 06/16/23 | 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: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 90.6 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 98.8 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 101 % | | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| C10-C28 (DRO) | ND | 50 | | mg/kg | 1 | BGF0611 | 06/16/23 | 06/16/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: o-Terphenyl | | 97.3 % | | 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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. N3 12ft
2306298-14 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | | mg/kg | 1 | BGF0595 | 06/16/23 | 06/17/23 | 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: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|-----|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 53.6 % | | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 66.8 % | | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|---------------|-----------------|-----|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.0590 | 0.0100 | | mg/L | 1 | BGF0745 | 06/21/23 | 06/26/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **06/14/23 00:00**

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

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. N3 12ft
2306298-14 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|
| Arsenic | 0.500 | 0.239 | mg/kg dry | 1 | BGF0660 | 06/19/23 | 06/22/23 | EPA 6020B |
| Barium | 35.5 | 0.478 | " | " | " | " | " | " |
| Cadmium | ND | 0.239 | " | " | " | " | " | " |
| Copper | 1.07 | 0.478 | " | " | " | " | " | " |
| Lead | 2.66 | 0.239 | " | " | " | " | " | " |
| Nickel | 0.585 | 0.478 | " | " | " | " | " | " |
| Selenium | ND | 0.311 | 0.209 | " | " | " | " | " |
| Silver | ND | 0.0239 | " | " | " | " | " | " |
| Zinc | 5.50 | 0.478 | " | " | " | " | " | " |

Hexavalent Chromium by EPA Method 7196

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BGF0589 | 06/16/23 | 06/16/23 | EPA 7196A | |

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

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|-----|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 26.9 | 0.0597 | | mg/L dry | 1 | BGF0701 | 06/20/23 | 06/22/23 | EPA 6020B | |
| Magnesium | 8.00 | 0.0597 | | " | " | " | " | " | " | |
| Sodium | 49.4 | 0.0597 | | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 2.15 | 0.00100 | | units | 1 | BGF0824 | 06/22/23 | 06/22/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

SB-SEP. N3 12ft
2306298-14 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | MDL | | | | | | | |
| % Solids | 83.7 | | | % | 1 | BGF0605 | 06/16/23 | 06/16/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Specific Conductance (EC) | 0.572 | 0.0100 | | mmhos/cm | 1 | BGF0728 | 06/21/23 | 06/21/23 | EPA 120.1 | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| pH | 7.51 | | | pH Units | 1 | BGF0729 | 06/21/23 | 06/21/23 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. E 7ft
2306298-15 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|-------------|-----------------|-----|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | | mg/kg | 1 | BGF0609 | 06/16/23 | 06/17/23 | 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 | 0.16 | 0.0038 | | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 27 | 0.50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|-----|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 89.0 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 110 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 319 % | | 50-150 | | " | " | " | " | S-02 |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|------------|-----------------|-----|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | 300 | 50 | | mg/kg | 1 | BGF0611 | 06/16/23 | 06/16/23 | EPA 8015M | |
| C28-C36 (ORO) | 89 | 50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|-----|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 94.9 % | | 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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. E 7ft
2306298-15 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------|---------------|-----------|-----|-------|----------|---------|----------|----------|---------------|-------|
| | | Limit | MDL | | | | | | | |
| Acenaphthene | ND | 0.00500 | | mg/kg | 1 | BGF0595 | 06/16/23 | 06/17/23 | 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 | 0.0711 | 0.00500 | | " | " | " | " | " | " | |
| 2-Methylnaphthalene | 0.150 | 0.00500 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | | 87.8 % | | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 84.2 % | | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|---------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Boron | 0.0954 | 0.0100 | | mg/L | 1 | BGF0745 | 06/21/23 | 06/26/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **06/14/23 00:00**

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

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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. E 7ft
2306298-15 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 0.865 | 0.240 | | mg/kg dry | 1 | BGF0660 | 06/19/23 | 06/22/23 | EPA 6020B | |
| Barium | 82.4 | 0.481 | | " | " | " | " | " | " | |
| Cadmium | 0.240 | 0.240 | | " | " | " | " | " | " | |
| Copper | 4.01 | 0.481 | | " | " | " | " | " | " | |
| Lead | 12.0 | 0.240 | | " | " | " | " | " | " | |
| Nickel | 2.10 | 0.481 | | " | " | " | " | " | " | |
| Selenium | ND | 0.312 | 0.210 | " | " | " | " | " | " | |
| Silver | 0.0610 | 0.0240 | | " | " | " | " | " | " | |
| Zinc | 10.1 | 0.481 | | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BGF0589 | 06/16/23 | 06/16/23 | EPA 7196A | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|-----|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 221 | 0.0601 | | mg/L dry | 1 | BGF0701 | 06/20/23 | 06/22/23 | EPA 6020B | |
| Magnesium | 51.1 | 0.0601 | | " | " | " | " | " | " | |
| Sodium | 25.9 | 0.0601 | | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.408 | 0.00100 | | units | 1 | BGF0824 | 06/22/23 | 06/22/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

SB-SEP. E 7ft
2306298-15 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | MDL | | | | | | | |
| % Solids | 83.2 | | | % | 1 | BGF0605 | 06/16/23 | 06/16/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Specific Conductance (EC) | 0.330 | 0.0100 | | mmhos/cm | 1 | BGF0728 | 06/21/23 | 06/21/23 | EPA 120.1 | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| pH | 7.97 | | | pH Units | 1 | BGF0729 | 06/21/23 | 06/21/23 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. E 12ft
2306298-16 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------------|-----------------|-----|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | | mg/kg | 1 | BGF0609 | 06/16/23 | 06/17/23 | EPA 8260B | |
| Toluene | ND | 0.0050 | | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | 6.9 | 0.50 | | " | 100 | " | " | 06/16/23 | " | |
| 1,3,5-Trimethylbenzene | 0.024 | 0.0050 | | " | 1 | " | " | 06/17/23 | " | |
| Naphthalene | 0.077 | 0.0038 | | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 5.9 | 0.50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|-----|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 161 % | | 50-150 | | " | " | " | " | S-02 |
| Surrogate: Toluene-d8 | | 99.3 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 704 % | | 50-150 | | " | " | " | " | S-02 |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|------------|-----------------|-----|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | 560 | 50 | | mg/kg | 1 | BGF0611 | 06/16/23 | 06/16/23 | EPA 8015M | |
| C28-C36 (ORO) | 140 | 50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|-----|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 95.1 % | | 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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. E 12ft
2306298-16 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------|--------------|-----------|-----|-------|----------|---------|----------|----------|---------------|-------|
| | | Limit | MDL | | | | | | | |
| Acenaphthene | ND | 0.100 | | mg/kg | 20 | BGF0595 | 06/16/23 | 06/19/23 | EPA 8270D SIM | |
| Anthracene | ND | 0.100 | | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.100 | | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.100 | | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.100 | | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.100 | | " | " | " | " | " | " | |
| Chrysene | ND | 0.100 | | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.100 | | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.100 | | " | " | " | " | " | " | |
| Fluorene | ND | 0.100 | | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.100 | | " | " | " | " | " | " | |
| Pyrene | ND | 0.100 | | " | " | " | " | " | " | |
| 1-Methylnaphthalene | 0.812 | 0.100 | | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.100 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | | 104 % | | 40-150 | | " | " | 06/17/23 | " | |
| Surrogate: Fluoranthene-d10 | | 84.7 % | | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|---------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Boron | 0.0565 | 0.0100 | | mg/L | 1 | BGF0745 | 06/21/23 | 06/26/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **06/14/23 00:00**

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

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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. E 12ft
2306298-16 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 0.532 | 0.228 | | mg/kg dry | 1 | BGF0660 | 06/19/23 | 06/22/23 | EPA 6020B | |
| Barium | 16.7 | 0.457 | | " | " | " | " | " | " | |
| Cadmium | ND | 0.228 | | " | " | " | " | " | " | |
| Copper | 0.857 | 0.457 | | " | " | " | " | " | " | |
| Lead | 2.77 | 0.228 | | " | " | " | " | " | " | |
| Nickel | ND | 0.457 | | " | " | " | " | " | " | |
| Selenium | ND | 0.297 | 0.200 | " | " | " | " | " | " | |
| Silver | ND | 0.0228 | | " | " | " | " | " | " | |
| Zinc | 4.02 | 0.457 | | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BGF0589 | 06/16/23 | 06/16/23 | EPA 7196A | |

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

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|-----|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 32.3 | 0.0571 | | mg/L dry | 1 | BGF0701 | 06/20/23 | 06/22/23 | EPA 6020B | |
| Magnesium | 13.4 | 0.0571 | | " | " | " | " | " | " | |
| Sodium | 39.7 | 0.0571 | | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 1.48 | 0.00100 | | units | 1 | BGF0824 | 06/22/23 | 06/22/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

**SB-SEP. E 12ft
 2306298-16 (Soil)**

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | MDL | | | | | | | |
| % Solids | 87.6 | | | % | 1 | BGF0605 | 06/16/23 | 06/16/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Specific Conductance (EC) | 0.819 | 0.0100 | | mmhos/cm | 1 | BGF0728 | 06/21/23 | 06/21/23 | EPA 120.1 | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| pH | 7.86 | | | pH Units | 1 | BGF0729 | 06/21/23 | 06/21/23 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. E2 7ft
2306298-17 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|-------------|-----------------|-----|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | | mg/kg | 1 | BGF0609 | 06/16/23 | 06/17/23 | 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 | 0.40 | 0.0038 | | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 24 | 0.50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|-----|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 86.0 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 106 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 326 % | | 50-150 | | " | " | " | " | S-02 |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|------------|-----------------|-----|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | 370 | 50 | | mg/kg | 1 | BGF0611 | 06/16/23 | 06/16/23 | EPA 8015M | |
| C28-C36 (ORO) | 110 | 50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|-----|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 96.4 % | | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. E2 7ft
2306298-17 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------|--------------|-----------|-----|-------|----------|---------|----------|----------|---------------|-------|
| | | Limit | MDL | | | | | | | |
| Acenaphthene | ND | 0.100 | | mg/kg | 20 | BGF0595 | 06/16/23 | 06/19/23 | EPA 8270D SIM | |
| Anthracene | ND | 0.100 | | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.100 | | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.100 | | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.100 | | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.100 | | " | " | " | " | " | " | |
| Chrysene | ND | 0.100 | | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.100 | | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.100 | | " | " | " | " | " | " | |
| Fluorene | ND | 0.100 | | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.100 | | " | " | " | " | " | " | |
| Pyrene | ND | 0.100 | | " | " | " | " | " | " | |
| 1-Methylnaphthalene | 0.447 | 0.100 | | " | " | " | " | " | " | |
| 2-Methylnaphthalene | 1.12 | 0.100 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | | 101 % | | 40-150 | | " | " | 06/17/23 | " | |
| Surrogate: Fluoranthene-d10 | | 101 % | | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Boron | 0.166 | 0.0100 | | mg/L | 1 | BGF0745 | 06/21/23 | 06/26/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **06/14/23 00:00**

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

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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. E2 7ft
2306298-17 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 0.479 | 0.233 | | mg/kg dry | 1 | BGF0660 | 06/19/23 | 06/22/23 | EPA 6020B | |
| Barium | 26.5 | 0.466 | | " | " | " | " | " | " | |
| Cadmium | ND | 0.233 | | " | " | " | " | " | " | |
| Copper | 1.46 | 0.466 | | " | " | " | " | " | " | |
| Lead | 3.13 | 0.233 | | " | " | " | " | " | " | |
| Nickel | ND | 0.466 | | " | " | " | " | " | " | |
| Selenium | ND | 0.303 | 0.204 | " | " | " | " | " | " | |
| Silver | ND | 0.0233 | | " | " | " | " | " | " | |
| Zinc | 6.14 | 0.466 | | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BGF0589 | 06/16/23 | 06/16/23 | EPA 7196A | |

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

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|-----|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 126 | 0.0582 | | mg/L dry | 1 | BGF0702 | 06/20/23 | 06/22/23 | EPA 6020B | |
| Magnesium | 33.9 | 0.0582 | | " | " | " | " | " | " | |
| Sodium | 43.7 | 0.0582 | | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.892 | 0.00100 | | units | 1 | BGF0907 | 06/26/23 | 06/26/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

**SB-SEP. E2 7ft
 2306298-17 (Soil)**

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | MDL | | | | | | | |
| % Solids | 85.9 | | | % | 1 | BGF0605 | 06/16/23 | 06/16/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Specific Conductance (EC) | 0.336 | 0.0100 | | mmhos/cm | 1 | BGF0731 | 06/21/23 | 06/21/23 | EPA 120.1 | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| pH | 8.45 | | | pH Units | 1 | BGF0730 | 06/21/23 | 06/21/23 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. E2 9ft
2306298-18 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|-------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Benzene | ND | 0.0020 | | mg/kg | 1 | BGF0609 | 06/16/23 | 06/17/23 | 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 | 0.51 | 0.0038 | | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 34 | 0.50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 101 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 90.6 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 329 % | | 50-150 | | " | " | " | " | S-02 |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| C10-C28 (DRO) | 430 | 50 | | mg/kg | 1 | BGF0611 | 06/16/23 | 06/16/23 | EPA 8015M | |
| C28-C36 (ORO) | 130 | 50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: o-Terphenyl | | 107 % | | 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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. E2 9ft
2306298-18 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------|---------------|-----------------|-----|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | | mg/kg | 1 | BGF0595 | 06/16/23 | 06/17/23 | 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 | 0.0753 | 0.00500 | | " | " | " | " | " | " | |
| 2-Methylnaphthalene | 0.152 | 0.00500 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|-----|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 71.7 % | | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 66.0 % | | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------------|-----|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.402 | 0.0100 | | mg/L | 1 | BGF0745 | 06/21/23 | 06/26/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **06/14/23 00:00**

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

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB-SEP. E2 9ft
2306298-18 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 1.18 | 0.263 | | mg/kg dry | 1 | BGF0660 | 06/19/23 | 06/22/23 | EPA 6020B | |
| Barium | 266 | 0.527 | | " | " | " | " | " | " | |
| Cadmium | 0.380 | 0.263 | | " | " | " | " | " | " | |
| Copper | 4.39 | 0.527 | | " | " | " | " | " | " | |
| Lead | 15.8 | 0.263 | | " | " | " | " | " | " | |
| Nickel | 2.53 | 0.527 | | " | " | " | " | " | " | |
| Selenium | ND | 0.342 | 0.230 | " | " | " | " | " | " | |
| Silver | 0.0975 | 0.0263 | | " | " | " | " | " | " | |
| Zinc | 12.0 | 0.527 | | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BGF0589 | 06/16/23 | 06/16/23 | EPA 7196A | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|-----|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 218 | 0.0658 | | mg/L dry | 1 | BGF0702 | 06/20/23 | 06/22/23 | EPA 6020B | |
| Magnesium | 66.9 | 0.0658 | | " | " | " | " | " | " | |
| Sodium | 56.9 | 0.0658 | | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.865 | 0.00100 | | units | 1 | BGF0907 | 06/26/23 | 06/26/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

SB-SEP. E2 9ft
2306298-18 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | MDL | | | | | | | |
| % Solids | 75.9 | | | % | 1 | BGF0605 | 06/16/23 | 06/16/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Specific Conductance (EC) | 0.289 | 0.0100 | | mmhos/cm | 1 | BGF0731 | 06/21/23 | 06/21/23 | EPA 120.1 | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| pH | 8.49 | | | pH Units | 1 | BGF0730 | 06/21/23 | 06/21/23 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

**SB- AST W 8ft
2306298-19 (Soil)**

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|-------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Benzene | ND | 0.0020 | | mg/kg | 1 | BGF0609 | 06/16/23 | 06/17/23 | 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 | 0.14 | 0.0038 | | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 4.4 | 0.50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 93.4 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 103 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 138 % | | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| C10-C28 (DRO) | ND | 50 | | mg/kg | 1 | BGF0611 | 06/16/23 | 06/16/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: o-Terphenyl | | 96.3 % | | 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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

**SB- AST W 8ft
2306298-19 (Soil)**

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------|---------------|-----------|-----|-------|----------|---------|----------|----------|---------------|-------|
| | | Limit | MDL | | | | | | | |
| Acenaphthene | ND | 0.00500 | | mg/kg | 1 | BGF0595 | 06/16/23 | 06/17/23 | 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 | 0.0204 | 0.00500 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | | 60.6 % | | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 70.4 % | | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Boron | 0.304 | 0.0100 | | mg/L | 1 | BGF0745 | 06/21/23 | 06/26/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **06/14/23 00:00**

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

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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

**SB- AST W 8ft
2306298-19 (Soil)**

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 1.24 | 0.259 | | mg/kg dry | 1 | BGF0660 | 06/19/23 | 06/22/23 | EPA 6020B | |
| Barium | 143 | 0.518 | | " | " | " | " | " | " | |
| Cadmium | 0.351 | 0.259 | | " | " | " | " | " | " | |
| Copper | 3.70 | 0.518 | | " | " | " | " | " | " | |
| Lead | 11.1 | 0.259 | | " | " | " | " | " | " | |
| Nickel | 1.71 | 0.518 | | " | " | " | " | " | " | |
| Selenium | ND | 0.337 | 0.227 | " | " | " | " | " | " | |
| Silver | 0.0617 | 0.0259 | | " | " | " | " | " | " | |
| Zinc | 9.43 | 0.518 | | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BGF0589 | 06/16/23 | 06/16/23 | EPA 7196A | |

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

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|-----|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 14.6 | 0.0648 | | mg/L dry | 1 | BGF0702 | 06/20/23 | 06/22/23 | EPA 6020B | |
| Magnesium | 3.83 | 0.0648 | | " | " | " | " | " | " | |
| Sodium | 13.1 | 0.0648 | | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.789 | 0.00100 | | units | 1 | BGF0907 | 06/26/23 | 06/26/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

**SB- AST W 8ft
 2306298-19 (Soil)**

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | MDL | | | | | | | |
| % Solids | 77.2 | | | % | 1 | BGF0605 | 06/16/23 | 06/16/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Specific Conductance (EC) | 0.299 | 0.0100 | | mmhos/cm | 1 | BGF0731 | 06/21/23 | 06/21/23 | EPA 120.1 | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| pH | 8.11 | | | pH Units | 1 | BGF0730 | 06/21/23 | 06/21/23 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

**SB- AST W 10ft
2306298-20 (Soil)**

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|-------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Benzene | ND | 0.0020 | | mg/kg | 1 | BGF0609 | 06/16/23 | 06/17/23 | 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 | 0.50 | 0.50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 92.2 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 97.8 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 106 % | | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| C10-C28 (DRO) | ND | 50 | | mg/kg | 1 | BGF0611 | 06/16/23 | 06/16/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: o-Terphenyl | | 97.6 % | | 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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB- AST W 10ft
2306298-20 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------|---------------|-----------|-----|-------|----------|---------|----------|----------|---------------|-------|
| | | Limit | MDL | | | | | | | |
| Acenaphthene | ND | 0.00500 | | mg/kg | 1 | BGF0595 | 06/16/23 | 06/17/23 | 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 | 0.0658 | 0.00500 | | " | " | " | " | " | " | |
| 2-Methylnaphthalene | 0.127 | 0.00500 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | | 53.3 % | | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 44.4 % | | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Boron | 0.442 | 0.0100 | | mg/L | 1 | BGF0745 | 06/21/23 | 06/26/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **06/14/23 00:00**

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

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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

**SB- AST W 10ft
2306298-20 (Soil)**

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 1.73 | 0.275 | | mg/kg dry | 1 | BGF0660 | 06/19/23 | 06/22/23 | EPA 6020B | |
| Barium | 241 | 0.549 | | " | " | " | " | " | " | |
| Cadmium | 0.538 | 0.275 | | " | " | " | " | " | " | |
| Copper | 4.13 | 0.549 | | " | " | " | " | " | " | |
| Lead | 13.7 | 0.275 | | " | " | " | " | " | " | |
| Nickel | 2.26 | 0.549 | | " | " | " | " | " | " | |
| Selenium | ND | 0.357 | 0.240 | " | " | " | " | " | " | |
| Silver | 0.0703 | 0.0275 | | " | " | " | " | " | " | |
| Zinc | 10.8 | 0.549 | | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BGF0589 | 06/16/23 | 06/16/23 | EPA 7196A | |

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

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|-----|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 140 | 0.0687 | | mg/L dry | 1 | BGF0702 | 06/20/23 | 06/22/23 | EPA 6020B | |
| Magnesium | 11.9 | 0.0687 | | " | " | " | " | " | " | |
| Sodium | 68.3 | 0.0687 | | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 1.49 | 0.00100 | | units | 1 | BGF0907 | 06/26/23 | 06/26/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN

Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

**SB- AST W 10ft
 2306298-20 (Soil)**

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | MDL | | | | | | | |
| % Solids | 72.8 | | | % | 1 | BGF0605 | 06/16/23 | 06/16/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Specific Conductance (EC) | 0.463 | 0.0100 | | mmhos/cm | 1 | BGF0731 | 06/21/23 | 06/21/23 | EPA 120.1 | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| pH | 8.88 | | | pH Units | 1 | BGF0730 | 06/21/23 | 06/21/23 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB- AST S 7ft
2306298-21 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|-------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Benzene | ND | 0.0020 | | mg/kg | 1 | BGF0609 | 06/16/23 | 06/17/23 | 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 | 0.17 | 0.0038 | | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 54 | 0.50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 90.8 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 82.3 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 581 % | | 50-150 | | " | " | " | " | S-02 |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| C10-C28 (DRO) | 860 | 50 | | mg/kg | 1 | BGF0611 | 06/16/23 | 06/16/23 | EPA 8015M | |
| C28-C36 (ORO) | 220 | 50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: o-Terphenyl | | 96.7 % | | 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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB- AST S 7ft
2306298-21 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------|---------------|-----------------|-----|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | | mg/kg | 1 | BGF0594 | 06/16/23 | 06/17/23 | 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 | 0.0792 | 0.00500 | | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | | " | " | " | " | " | " | |
| Pyrene | ND | 0.00500 | | " | " | " | " | " | " | |
| 1-Methylnaphthalene | 0.377 | 0.00500 | | " | " | " | " | " | " | E |
| 2-Methylnaphthalene | 0.699 | 0.00500 | | " | " | " | " | " | " | E |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|-----|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 54.6 % | | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 120 % | | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------------|-----|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.197 | 0.0100 | | mg/L | 1 | BGF0746 | 06/21/23 | 06/26/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **06/14/23 00:00**

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

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

**SB- AST S 7ft
2306298-21 (Soil)**

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|
| Arsenic | 0.631 | 0.226 | mg/kg dry | 1 | BGF0660 | 06/19/23 | 06/22/23 | EPA 6020B |
| Barium | 43.2 | 0.452 | " | " | " | " | " | " |
| Cadmium | ND | 0.226 | " | " | " | " | " | " |
| Copper | 2.12 | 0.452 | " | " | " | " | " | " |
| Lead | 3.41 | 0.226 | " | " | " | " | " | " |
| Nickel | 0.665 | 0.452 | " | " | " | " | " | " |
| Selenium | 0.238 | 0.294 | 0.198 | " | " | " | " | " |
| Silver | ND | 0.0226 | " | " | " | " | " | " |
| Zinc | 6.57 | 0.452 | " | " | " | " | " | " |

Hexavalent Chromium by EPA Method 7196

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BGF0634 | 06/19/23 | 06/19/23 | EPA 7196A | |

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

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|-----|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 7.99 | 0.0566 | | mg/L dry | 1 | BGF0702 | 06/20/23 | 06/22/23 | EPA 6020B | |
| Magnesium | 5.32 | 0.0566 | | " | " | " | " | " | " | |
| Sodium | 7.83 | 0.0566 | | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.527 | 0.00100 | | units | 1 | BGF0907 | 06/26/23 | 06/26/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

**SB- AST S 7ft
 2306298-21 (Soil)**

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | MDL | | | | | | | |
| % Solids | 88.4 | | | % | 1 | BGF0605 | 06/16/23 | 06/16/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Specific Conductance (EC) | 0.481 | 0.0100 | | mmhos/cm | 1 | BGF0731 | 06/21/23 | 06/21/23 | EPA 120.1 | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| pH | 8.06 | | | pH Units | 1 | BGF0730 | 06/21/23 | 06/21/23 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB- AST S 12ft
2306298-22 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Benzene | ND | 0.0020 | | mg/kg | 1 | BGF0609 | 06/16/23 | 06/17/23 | 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 | 0.012 | 0.0038 | | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 26 | 0.50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 92.1 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 89.0 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 237 % | | 50-150 | | " | " | " | " | S-02 |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| C10-C28 (DRO) | ND | 50 | | mg/kg | 1 | BGF0611 | 06/16/23 | 06/16/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: o-Terphenyl | | 97.8 % | | 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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB- AST S 12ft
2306298-22 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------|---------------|-----------------|-----|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | | mg/kg | 1 | BGF0594 | 06/16/23 | 06/17/23 | 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 | 0.0112 | 0.00500 | | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | | " | " | " | " | " | " | |
| Pyrene | ND | 0.00500 | | " | " | " | " | " | " | |
| 1-Methylnaphthalene | 0.0466 | 0.00500 | | " | " | " | " | " | " | |
| 2-Methylnaphthalene | 0.112 | 0.00500 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|-----|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 73.9 % | | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 92.0 % | | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------------|-----|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.392 | 0.0100 | | mg/L | 1 | BGF0746 | 06/21/23 | 06/26/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **06/14/23 00:00**

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

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

**SB- AST S 12ft
2306298-22 (Soil)**

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|
| Arsenic | 1.13 | 0.259 | mg/kg dry | 1 | BGF0660 | 06/19/23 | 06/22/23 | EPA 6020B |
| Barium | 122 | 0.518 | " | " | " | " | " | " |
| Cadmium | ND | 0.259 | " | " | " | " | " | " |
| Copper | 3.27 | 0.518 | " | " | " | " | " | " |
| Lead | 8.00 | 0.259 | " | " | " | " | " | " |
| Nickel | 0.983 | 0.518 | " | " | " | " | " | " |
| Selenium | ND | 0.337 | 0.227 | " | " | " | " | " |
| Silver | 0.0399 | 0.0259 | " | " | " | " | " | " |
| Zinc | 8.71 | 0.518 | " | " | " | " | " | " |

Hexavalent Chromium by EPA Method 7196

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BGF0634 | 06/19/23 | 06/19/23 | EPA 7196A | |

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

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|-----|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 338 | 0.0648 | | mg/L dry | 1 | BGF0702 | 06/20/23 | 06/22/23 | EPA 6020B | |
| Magnesium | 33.1 | 0.0648 | | " | " | " | " | " | " | |
| Sodium | 53.7 | 0.0648 | | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.746 | 0.00100 | | units | 1 | BGF0907 | 06/26/23 | 06/26/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

**SB- AST S 12ft
 2306298-22 (Soil)**

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | MDL | | | | | | | |
| % Solids | 77.2 | | | % | 1 | BGF0605 | 06/16/23 | 06/16/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Specific Conductance (EC) | 0.335 | 0.0100 | | mmhos/cm | 1 | BGF0731 | 06/21/23 | 06/21/23 | EPA 120.1 | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| pH | 8.71 | | | pH Units | 1 | BGF0730 | 06/21/23 | 06/21/23 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB- AST S2 8ft
2306298-23 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Benzene | ND | 0.0020 | | mg/kg | 1 | BGF0609 | 06/16/23 | 06/17/23 | 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: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 89.0 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 98.2 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 102 % | | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| C10-C28 (DRO) | ND | 50 | | mg/kg | 1 | BGF0611 | 06/16/23 | 06/16/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: o-Terphenyl | | 98.0 % | | 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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB- AST S2 8ft
2306298-23 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------|-----|-------|----------|---------|----------|----------|---------------|-------|
| | | Limit | MDL | | | | | | | |
| Acenaphthene | ND | 0.00500 | | mg/kg | 1 | BGF0594 | 06/16/23 | 06/17/23 | 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: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | | 75.1 % | | 40-150 | | " | " | " | " | " |
| Surrogate: Fluoranthene-d10 | | 86.2 % | | 40-150 | | " | " | " | " | " |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Boron | 0.296 | 0.0100 | | mg/L | 1 | BGF0746 | 06/21/23 | 06/26/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **06/14/23 00:00**

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

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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

**SB- AST S2 8ft
2306298-23 (Soil)**

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 1.80 | 0.259 | | mg/kg dry | 1 | BGF0660 | 06/19/23 | 06/22/23 | EPA 6020B | |
| Barium | 104 | 0.517 | | " | " | " | " | " | " | |
| Cadmium | 0.284 | 0.259 | | " | " | " | " | " | " | |
| Copper | 3.85 | 0.517 | | " | " | " | " | " | " | |
| Lead | 10.8 | 0.259 | | " | " | " | " | " | " | |
| Nickel | 2.92 | 0.517 | | " | " | " | " | " | " | |
| Selenium | ND | 0.336 | 0.226 | " | " | " | " | " | " | |
| Silver | 0.0600 | 0.0259 | | " | " | " | " | " | " | |
| Zinc | 10.5 | 0.517 | | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BGF0634 | 06/19/23 | 06/19/23 | EPA 7196A | |

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

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|-----|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 93.3 | 0.0647 | | mg/L dry | 1 | BGF0702 | 06/20/23 | 06/22/23 | EPA 6020B | |
| Magnesium | 18.1 | 0.0647 | | " | " | " | " | " | " | |
| Sodium | 53.0 | 0.0647 | | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 1.32 | 0.00100 | | units | 1 | BGF0907 | 06/26/23 | 06/26/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

SB- AST S2 8ft
2306298-23 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | MDL | | | | | | | |
| % Solids | 77.3 | | | % | 1 | BGF0605 | 06/16/23 | 06/16/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Specific Conductance (EC) | 0.389 | 0.0100 | | mmhos/cm | 1 | BGF0731 | 06/21/23 | 06/21/23 | EPA 120.1 | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| pH | 8.27 | | | pH Units | 1 | BGF0730 | 06/21/23 | 06/21/23 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

**SB- AST S2 12ft
2306298-24 (Soil)**

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Benzene | ND | 0.0020 | | mg/kg | 1 | BGF0609 | 06/16/23 | 06/17/23 | 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: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 88.9 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 101 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 108 % | | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| C10-C28 (DRO) | ND | 50 | | mg/kg | 1 | BGF0611 | 06/16/23 | 06/17/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: o-Terphenyl | | 97.8 % | | 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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

**SB- AST S2 12ft
2306298-24 (Soil)**

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | | mg/kg | 1 | BGF0594 | 06/16/23 | 06/17/23 | 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: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|-----|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 81.6 % | | 40-150 | | " | " | " | " | " |
| Surrogate: Fluoranthene-d10 | | 103 % | | 40-150 | | " | " | " | " | " |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------------|-----|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.332 | 0.0100 | | mg/L | 1 | BGF0746 | 06/21/23 | 06/26/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **06/14/23 00:00**

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

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

**SB- AST S2 12ft
2306298-24 (Soil)**

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 0.979 | 0.248 | | mg/kg dry | 1 | BGF0660 | 06/19/23 | 06/22/23 | EPA 6020B | |
| Barium | 128 | 0.496 | | " | " | " | " | " | " | |
| Cadmium | 0.258 | 0.248 | | " | " | " | " | " | " | |
| Copper | 2.97 | 0.496 | | " | " | " | " | " | " | |
| Lead | 9.08 | 0.248 | | " | " | " | " | " | " | |
| Nickel | 1.15 | 0.496 | | " | " | " | " | " | " | |
| Selenium | ND | 0.322 | 0.217 | " | " | " | " | " | " | |
| Silver | 0.0456 | 0.0248 | | " | " | " | " | " | " | |
| Zinc | 9.49 | 0.496 | | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BGF0634 | 06/19/23 | 06/19/23 | EPA 7196A | |

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

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|-----|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 93.3 | 0.0620 | | mg/L dry | 1 | BGF0702 | 06/20/23 | 06/22/23 | EPA 6020B | |
| Magnesium | 13.4 | 0.0620 | | " | " | " | " | " | " | |
| Sodium | 35.3 | 0.0620 | | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.905 | 0.00100 | | units | 1 | BGF0907 | 06/26/23 | 06/26/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN

Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

SB- AST S2 12ft
2306298-24 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | MDL | | | | | | | |
| % Solids | 80.6 | | | % | 1 | BGF0605 | 06/16/23 | 06/16/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Specific Conductance (EC) | 0.258 | 0.0100 | | mmhos/cm | 1 | BGF0731 | 06/21/23 | 06/21/23 | EPA 120.1 | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| pH | 8.66 | | | pH Units | 1 | BGF0730 | 06/21/23 | 06/21/23 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB- AST E 8ft
2306298-25 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Benzene | ND | 0.0020 | | mg/kg | 1 | BGF0609 | 06/16/23 | 06/17/23 | 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 | 0.040 | 0.0038 | | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 60 | 0.50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 103 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 84.3 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 503 % | | 50-150 | | " | " | " | " | S-02 |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| C10-C28 (DRO) | 120 | 50 | | mg/kg | 1 | BGF0611 | 06/16/23 | 06/17/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: o-Terphenyl | | 97.0 % | | 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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB- AST E 8ft
2306298-25 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------|---------------|-----------------|-----|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | | mg/kg | 1 | BGF0594 | 06/16/23 | 06/17/23 | 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 | 0.0122 | 0.00500 | | " | " | " | " | " | " | " |
| 2-Methylnaphthalene | 0.0308 | 0.00500 | | " | " | " | " | " | " | " |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|-----|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 84.2 % | | 40-150 | | " | " | " | " | " |
| Surrogate: Fluoranthene-d10 | | 96.3 % | | 40-150 | | " | " | " | " | " |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------------|-----|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.286 | 0.0100 | | mg/L | 1 | BGF0746 | 06/21/23 | 06/26/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **06/14/23 00:00**

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

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB- AST E 8ft
2306298-25 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 1.23 | 0.274 | | mg/kg dry | 1 | BGF0660 | 06/19/23 | 06/22/23 | EPA 6020B | |
| Barium | 189 | 0.549 | | " | " | " | " | " | " | |
| Cadmium | 0.320 | 0.274 | | " | " | " | " | " | " | |
| Copper | 4.05 | 0.549 | | " | " | " | " | " | " | |
| Lead | 10.6 | 0.274 | | " | " | " | " | " | " | |
| Nickel | 2.18 | 0.549 | | " | " | " | " | " | " | |
| Selenium | ND | 0.357 | 0.240 | " | " | " | " | " | " | |
| Silver | 0.0576 | 0.0274 | | " | " | " | " | " | " | |
| Zinc | 11.0 | 0.549 | | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BGF0634 | 06/19/23 | 06/19/23 | EPA 7196A | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|-----|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 67.0 | 0.0686 | | mg/L dry | 1 | BGF0702 | 06/20/23 | 06/22/23 | EPA 6020B | |
| Magnesium | 14.0 | 0.0686 | | " | " | " | " | " | " | |
| Sodium | 35.6 | 0.0686 | | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 1.03 | 0.00100 | | units | 1 | BGF0907 | 06/26/23 | 06/26/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

**SB- AST E 8ft
 2306298-25 (Soil)**

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | MDL | | | | | | | |
| % Solids | 72.9 | | | % | 1 | BGF0605 | 06/16/23 | 06/16/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Specific Conductance (EC) | 0.294 | 0.0100 | | mmhos/cm | 1 | BGF0731 | 06/21/23 | 06/21/23 | EPA 120.1 | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| pH | 7.97 | | | pH Units | 1 | BGF0730 | 06/21/23 | 06/21/23 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB- AST E2 9ft
2306298-26 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Benzene | ND | 0.0020 | | mg/kg | 1 | BGF0609 | 06/16/23 | 06/17/23 | 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 | 0.069 | 0.0038 | | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 14 | 0.50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 93.3 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 108 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 180 % | | 50-150 | | " | " | " | " | S-02 |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| C10-C28 (DRO) | ND | 50 | | mg/kg | 1 | BGF0611 | 06/16/23 | 06/17/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| 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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB- AST E2 9ft
2306298-26 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------|---------------|-----------------|-----|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | | mg/kg | 1 | BGF0594 | 06/16/23 | 06/17/23 | 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 | 0.0223 | 0.00500 | | " | " | " | " | " | " | " |
| 2-Methylnaphthalene | 0.0619 | 0.00500 | | " | " | " | " | " | " | " |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|-----|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 84.4 % | | 40-150 | | " | " | " | " | " |
| Surrogate: Fluoranthene-d10 | | 89.0 % | | 40-150 | | " | " | " | " | " |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------------|-----|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.384 | 0.0100 | | mg/L | 1 | BGF0746 | 06/21/23 | 06/26/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **06/14/23 00:00**

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

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

**SB- AST E2 9ft
2306298-26 (Soil)**

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 4.63 | 0.255 | | mg/kg dry | 1 | BGF0661 | 06/19/23 | 06/23/23 | EPA 6020B | |
| Barium | 175 | 0.510 | | " | " | " | " | " | " | |
| Cadmium | 0.411 | 0.255 | | " | " | " | " | " | " | |
| Copper | 10.6 | 0.510 | | " | " | " | " | " | " | |
| Lead | 14.5 | 0.255 | | " | " | " | " | " | " | |
| Nickel | 6.31 | 0.510 | | " | " | " | " | " | " | |
| Selenium | ND | 0.331 | 0.223 | " | " | " | " | " | " | |
| Silver | 0.108 | 0.0255 | | " | " | " | " | " | " | |
| Zinc | 26.4 | 0.510 | | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BGF0634 | 06/19/23 | 06/19/23 | EPA 7196A | |

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

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|-----|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 265 | 0.0637 | | mg/L dry | 1 | BGF0702 | 06/20/23 | 06/22/23 | EPA 6020B | |
| Magnesium | 40.9 | 0.0637 | | " | " | " | " | " | " | |
| Sodium | 46.4 | 0.0637 | | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.701 | 0.00100 | | units | 1 | BGF0907 | 06/26/23 | 06/26/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

**SB- AST E2 9ft
 2306298-26 (Soil)**

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | MDL | | | | | | | |
| % Solids | 78.5 | | | % | 1 | BGF0605 | 06/16/23 | 06/16/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Specific Conductance (EC) | 0.278 | 0.0100 | | mmhos/cm | 1 | BGF0731 | 06/21/23 | 06/21/23 | EPA 120.1 | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| pH | 8.59 | | | pH Units | 1 | BGF0730 | 06/21/23 | 06/21/23 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB- AST E3 8ft
2306298-27 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Benzene | ND | 0.0020 | | mg/kg | 1 | BGF0609 | 06/16/23 | 06/17/23 | 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: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 87.2 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 98.7 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 102 % | | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| C10-C28 (DRO) | ND | 50 | | mg/kg | 1 | BGF0611 | 06/16/23 | 06/17/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: o-Terphenyl | | 97.6 % | | 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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

SB- AST E3 8ft
2306298-27 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------|-----|-------|----------|---------|----------|----------|---------------|-------|
| | | Limit | MDL | | | | | | | |
| Acenaphthene | ND | 0.00500 | | mg/kg | 1 | BGF0594 | 06/16/23 | 06/17/23 | 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: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | | 75.8 % | | 40-150 | | " | " | " | " | " |
| Surrogate: Fluoranthene-d10 | | 90.9 % | | 40-150 | | " | " | " | " | " |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Boron | 0.265 | 0.0100 | | mg/L | 1 | BGF0746 | 06/21/23 | 06/26/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **06/14/23 00:00**

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

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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB- AST E3 8ft
2306298-27 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 5.23 | 0.259 | | mg/kg dry | 1 | BGF0661 | 06/19/23 | 06/23/23 | EPA 6020B | |
| Barium | 106 | 0.517 | | " | " | " | " | " | " | |
| Cadmium | 0.397 | 0.259 | | " | " | " | " | " | " | |
| Copper | 9.87 | 0.517 | | " | " | " | " | " | " | |
| Lead | 11.5 | 0.259 | | " | " | " | " | " | " | |
| Nickel | 8.02 | 0.517 | | " | " | " | " | " | " | |
| Selenium | ND | 0.336 | 0.226 | " | " | " | " | " | " | |
| Silver | 0.0915 | 0.0259 | | " | " | " | " | " | " | |
| Zinc | 23.8 | 0.517 | | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BGF0634 | 06/19/23 | 06/19/23 | EPA 7196A | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|-----|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 12.9 | 0.0647 | | mg/L dry | 1 | BGF0702 | 06/20/23 | 06/22/23 | EPA 6020B | |
| Magnesium | 3.86 | 0.0647 | | " | " | " | " | " | " | |
| Sodium | 7.73 | 0.0647 | | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.485 | 0.00100 | | units | 1 | BGF0907 | 06/26/23 | 06/26/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN

Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

SB- AST E3 8ft
2306298-27 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | MDL | | | | | | | |
| % Solids | 77.3 | | | % | 1 | BGF0605 | 06/16/23 | 06/16/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Specific Conductance (EC) | 0.302 | 0.0100 | | mmhos/cm | 1 | BGF0731 | 06/21/23 | 06/21/23 | EPA 120.1 | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| pH | 7.78 | | | pH Units | 1 | BGF0730 | 06/21/23 | 06/21/23 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB- AST N
2306298-28 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Benzene | ND | 0.0020 | | mg/kg | 1 | BGF0609 | 06/16/23 | 06/17/23 | 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: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 90.7 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 97.4 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 101 % | | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| C10-C28 (DRO) | ND | 50 | | mg/kg | 1 | BGF0611 | 06/16/23 | 06/17/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: o-Terphenyl | | 98.8 % | | 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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB- AST N
2306298-28 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------|-----|-------|----------|---------|----------|----------|---------------|-------|
| | | Limit | MDL | | | | | | | |
| Acenaphthene | ND | 0.00500 | | mg/kg | 1 | BGF0594 | 06/16/23 | 06/17/23 | 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: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | | 64.2 % | | 40-150 | | " | " | " | " | " |
| Surrogate: Fluoranthene-d10 | | 76.4 % | | 40-150 | | " | " | " | " | " |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Boron | 0.118 | 0.0100 | | mg/L | 1 | BGF0746 | 06/21/23 | 06/26/23 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **06/14/23 00:00**

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

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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

SB- AST N
2306298-28 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 5.25 | 0.264 | | mg/kg dry | 1 | BGF0661 | 06/19/23 | 06/23/23 | EPA 6020B | |
| Barium | 99.2 | 0.527 | | " | " | " | " | " | " | |
| Cadmium | 0.264 | 0.264 | | " | " | " | " | " | " | |
| Copper | 7.65 | 0.527 | | " | " | " | " | " | " | |
| Lead | 9.01 | 0.264 | | " | " | " | " | " | " | |
| Nickel | 6.54 | 0.527 | | " | " | " | " | " | " | |
| Selenium | ND | 0.343 | 0.231 | " | " | " | " | " | " | |
| Silver | 0.0490 | 0.0264 | | " | " | " | " | " | " | |
| Zinc | 20.1 | 0.527 | | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BGF0634 | 06/19/23 | 06/19/23 | EPA 7196A | |

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

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|-----|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 14.3 | 0.0659 | | mg/L dry | 1 | BGF0702 | 06/20/23 | 06/22/23 | EPA 6020B | |
| Magnesium | 4.00 | 0.0659 | | " | " | " | " | " | " | |
| Sodium | 7.83 | 0.0659 | | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: 06/14/23 00:00

| Analyte | Result | Reporting Limit | MDL | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-----|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.472 | 0.00100 | | units | 1 | BGF0907 | 06/26/23 | 06/26/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

SB- AST N
2306298-28 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | MDL | | | | | | | |
| % Solids | 75.9 | | | % | 1 | BGF0605 | 06/16/23 | 06/16/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Specific Conductance (EC) | 0.291 | 0.0100 | | mmhos/cm | 1 | BGF0731 | 06/21/23 | 06/21/23 | EPA 120.1 | |

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

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-----|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| pH | 7.77 | | | pH Units | 1 | BGF0730 | 06/21/23 | 06/21/23 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

EAST
2306298-29 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|-----------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Benzene | ND | 1.0 | | ug/l | 1 | BGF0603 | 06/16/23 | 06/17/23 | EPA 8260B | |
| Toluene | ND | 1.0 | | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | | " | " | " | " | " | " | |
| Xylenes (total) | ND | 2.0 | | " | " | " | " | " | " | |
| Naphthalene | 25 | 1.0 | | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 103 % | | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 103 % | | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 103 % | | 21-167 | | " | " | " | " | |

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

WEST
2306298-30 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|------------|-----------|-----|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Benzene | 1.2 | 1.0 | | ug/l | 1 | BGF0603 | 06/16/23 | 06/17/23 | EPA 8260B | |
| Toluene | ND | 1.0 | | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | | " | " | " | " | " | " | |
| Xylenes (total) | ND | 2.0 | | " | " | " | " | " | " | |
| Naphthalene | 28 | 1.0 | | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | 1.3 | 1.0 | | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | " | " | " | " | " | " | |

Date Sampled: **06/14/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 102 % | | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 108 % | | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 127 % | | 21-167 | | " | " | " | " | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BGF0603 - EPA 5030 Water MS

Blank (BGF0603-BLK1)

Prepared: 06/16/23 Analyzed: 06/17/23

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|--|------|--------|--|--|--|
| Benzene | ND | 1.0 | ug/l | | | | | | | |
| Toluene | ND | 1.0 | " | | | | | | | |
| Ethylbenzene | ND | 1.0 | " | | | | | | | |
| Xylenes (total) | ND | 2.0 | " | | | | | | | |
| Naphthalene | ND | 1.0 | " | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | " | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 12.7 | | " | 13.3 | | 95.5 | 23-173 | | | |
| Surrogate: Toluene-d8 | 13.1 | | " | 13.3 | | 98.6 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 13.4 | | " | 13.3 | | 101 | 21-167 | | | |

LCS (BGF0603-BS1)

Prepared: 06/16/23 Analyzed: 06/17/23

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|--|------|--------|--|--|--|
| Benzene | 40.8 | 1.0 | ug/l | 41.7 | | 98.0 | 51-132 | | | |
| Toluene | 38.4 | 1.0 | " | 41.7 | | 92.1 | 51-138 | | | |
| Ethylbenzene | 40.0 | 1.0 | " | 41.7 | | 96.1 | 58-146 | | | |
| m,p-Xylene | 82.0 | 2.0 | " | 83.3 | | 98.4 | 57-144 | | | |
| o-Xylene | 39.8 | 1.0 | " | 41.7 | | 95.4 | 53-146 | | | |
| Naphthalene | 34.3 | 1.0 | " | 41.7 | | 82.3 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 45.1 | 1.0 | " | 41.7 | | 108 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 45.9 | 1.0 | " | 41.7 | | 110 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 13.0 | | " | 13.3 | | 97.9 | 23-173 | | | |
| Surrogate: Toluene-d8 | 13.4 | | " | 13.3 | | 100 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 13.2 | | " | 13.3 | | 98.6 | 21-167 | | | |

Matrix Spike (BGF0603-MS1)

Source: 2306292-01

Prepared: 06/16/23 Analyzed: 06/17/23

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|----|------|--------|--|--|--|
| Benzene | 42.4 | 1.0 | ug/l | 41.7 | ND | 102 | 34-141 | | | |
| Toluene | 40.6 | 1.0 | " | 41.7 | ND | 97.4 | 27-151 | | | |
| Ethylbenzene | 40.9 | 1.0 | " | 41.7 | ND | 98.1 | 29-160 | | | |
| m,p-Xylene | 84.6 | 2.0 | " | 83.3 | ND | 102 | 20-166 | | | |
| o-Xylene | 40.9 | 1.0 | " | 41.7 | ND | 98.2 | 33-159 | | | |
| Naphthalene | 45.9 | 1.0 | " | 41.7 | ND | 110 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 46.5 | 1.0 | " | 41.7 | ND | 112 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 47.2 | 1.0 | " | 41.7 | ND | 113 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 13.4 | | " | 13.3 | | 100 | 23-173 | | | |
| Surrogate: Toluene-d8 | 13.6 | | " | 13.3 | | 102 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 13.2 | | " | 13.3 | | 98.8 | 21-167 | | | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN

Project Manager: Paul Henehan

Reported:
06/26/23 14:16

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BGF0603 - EPA 5030 Water MS

| Matrix Spike Dup (BGF0603-MSD1) | Source: 2306292-01 | | | Prepared: 06/16/23 | | Analyzed: 06/17/23 | | | | |
|----------------------------------|--------------------|-----|------|--------------------|----|--------------------|--------|-------|----|--|
| Benzene | 42.6 | 1.0 | ug/l | 41.7 | ND | 102 | 34-141 | 0.306 | 30 | |
| Toluene | 40.0 | 1.0 | " | 41.7 | ND | 95.9 | 27-151 | 1.54 | 30 | |
| Ethylbenzene | 41.9 | 1.0 | " | 41.7 | ND | 101 | 29-160 | 2.42 | 30 | |
| m,p-Xylene | 85.5 | 2.0 | " | 83.3 | ND | 103 | 20-166 | 0.999 | 30 | |
| o-Xylene | 41.2 | 1.0 | " | 41.7 | ND | 98.8 | 33-159 | 0.634 | 30 | |
| Naphthalene | 47.3 | 1.0 | " | 41.7 | ND | 114 | 70-130 | 3.03 | 30 | |
| 1,2,4-Trimethylbenzene | 46.4 | 1.0 | " | 41.7 | ND | 111 | 70-130 | 0.172 | 30 | |
| 1,3,5-Trimethylbenzene | 47.6 | 1.0 | " | 41.7 | ND | 114 | 70-130 | 0.844 | 30 | |
| Surrogate: 1,2-Dichloroethane-d4 | 13.8 | | " | 13.3 | | 104 | 23-173 | | | |
| Surrogate: Toluene-d8 | 13.7 | | " | 13.3 | | 103 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 13.2 | | " | 13.3 | | 99.0 | 21-167 | | | |

Batch BGF0608 - EPA 5030 Soil MS

| Blank (BGF0608-BLK1) | Prepared & Analyzed: 06/16/23 | | | | | | | | | | |
|----------------------------------|-------------------------------|--------|-------|--------|--|------|--------|--|--|--|--|
| 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 | 0.0374 | | " | 0.0400 | | 93.5 | 50-150 | | | | |
| Surrogate: Toluene-d8 | 0.0410 | | " | 0.0400 | | 103 | 50-150 | | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0400 | | " | 0.0400 | | 100 | 50-150 | | | | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

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

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

Batch BGF0608 - EPA 5030 Soil MS

LCS (BGF0608-BS1)

Prepared & Analyzed: 06/16/23

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Benzene | 0.0680 | 0.0020 | mg/kg | 0.0750 | | 90.7 | 70-130 | | | |
| Toluene | 0.0804 | 0.0050 | " | 0.0750 | | 107 | 70-130 | | | |
| Ethylbenzene | 0.0949 | 0.0050 | " | 0.0750 | | 127 | 70-130 | | | |
| m,p-Xylene | 0.187 | 0.010 | " | 0.150 | | 125 | 70-130 | | | |
| o-Xylene | 0.0824 | 0.0050 | " | 0.0750 | | 110 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.0868 | 0.0050 | " | 0.0750 | | 116 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0910 | 0.0050 | " | 0.0750 | | 121 | 70-130 | | | |
| Naphthalene | 0.0652 | 0.0038 | " | 0.0750 | | 87.0 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0335 | | " | 0.0400 | | 83.8 | 50-150 | | | |
| Surrogate: Toluene-d8 | 0.0395 | | " | 0.0400 | | 98.8 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0399 | | " | 0.0400 | | 99.8 | 50-150 | | | |

Matrix Spike (BGF0608-MS1)

Source: 2306277-02

Prepared & Analyzed: 06/16/23

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|----|------|--------|--|--|--|
| Benzene | 0.0646 | 0.0020 | mg/kg | 0.0750 | ND | 86.1 | 70-130 | | | |
| Toluene | 0.0719 | 0.0050 | " | 0.0750 | ND | 95.9 | 70-130 | | | |
| Ethylbenzene | 0.0862 | 0.0050 | " | 0.0750 | ND | 115 | 70-130 | | | |
| m,p-Xylene | 0.170 | 0.010 | " | 0.150 | ND | 113 | 70-130 | | | |
| o-Xylene | 0.0759 | 0.0050 | " | 0.0750 | ND | 101 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.0800 | 0.0050 | " | 0.0750 | ND | 107 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0832 | 0.0050 | " | 0.0750 | ND | 111 | 70-130 | | | |
| Naphthalene | 0.0672 | 0.0038 | " | 0.0750 | ND | 89.6 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0320 | | " | 0.0400 | | 80.0 | 50-150 | | | |
| Surrogate: Toluene-d8 | 0.0371 | | " | 0.0400 | | 92.8 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0396 | | " | 0.0400 | | 98.9 | 50-150 | | | |

Matrix Spike Dup (BGF0608-MSD1)

Source: 2306277-02

Prepared & Analyzed: 06/16/23

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|----|------|--------|--------|----|--|
| Benzene | 0.0635 | 0.0020 | mg/kg | 0.0750 | ND | 84.7 | 70-130 | 1.59 | 30 | |
| Toluene | 0.0712 | 0.0050 | " | 0.0750 | ND | 95.0 | 70-130 | 0.964 | 30 | |
| Ethylbenzene | 0.0862 | 0.0050 | " | 0.0750 | ND | 115 | 70-130 | 0.0348 | 30 | |
| m,p-Xylene | 0.169 | 0.010 | " | 0.150 | ND | 113 | 70-130 | 0.442 | 30 | |
| o-Xylene | 0.0765 | 0.0050 | " | 0.0750 | ND | 102 | 70-130 | 0.748 | 30 | |
| 1,2,4-Trimethylbenzene | 0.0805 | 0.0050 | " | 0.0750 | ND | 107 | 70-130 | 0.673 | 30 | |
| 1,3,5-Trimethylbenzene | 0.0834 | 0.0050 | " | 0.0750 | ND | 111 | 70-130 | 0.252 | 30 | |
| Naphthalene | 0.0685 | 0.0038 | " | 0.0750 | ND | 91.3 | 70-130 | 1.95 | 30 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0329 | | " | 0.0400 | | 82.2 | 50-150 | | | |
| Surrogate: Toluene-d8 | 0.0371 | | " | 0.0400 | | 92.8 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0396 | | " | 0.0400 | | 99.1 | 50-150 | | | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

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

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

Batch BGF0609 - EPA 5030 Soil MS

Blank (BGF0609-BLK1)

Prepared & Analyzed: 06/16/23

| | | | | | | | | | | |
|---|---------------|--------|----------|---------------|--|-------------|---------------|--|--|--|
| Benzene | ND | 0.0020 | mg/kg | | | | | | | |
| Toluene | ND | 0.0050 | " | | | | | | | |
| Ethylbenzene | ND | 0.0050 | " | | | | | | | |
| Xylenes (total) | ND | 0.010 | " | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | | | | | | | |
| Naphthalene | ND | 0.0038 | " | | | | | | | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | | | | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0350</i> | | <i>"</i> | <i>0.0400</i> | | <i>87.6</i> | <i>50-150</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.0386</i> | | <i>"</i> | <i>0.0400</i> | | <i>96.5</i> | <i>50-150</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.0387</i> | | <i>"</i> | <i>0.0400</i> | | <i>96.7</i> | <i>50-150</i> | | | |

LCS (BGF0609-BS1)

Prepared & Analyzed: 06/16/23

| | | | | | | | | | | |
|---|---------------|--------|----------|---------------|--|-------------|---------------|--|--|--|
| Benzene | 0.118 | 0.0020 | mg/kg | 0.125 | | 94.7 | 70-130 | | | |
| Toluene | 0.111 | 0.0050 | " | 0.125 | | 89.0 | 70-130 | | | |
| Ethylbenzene | 0.128 | 0.0050 | " | 0.125 | | 103 | 70-130 | | | |
| m,p-Xylene | 0.265 | 0.010 | " | 0.250 | | 106 | 70-130 | | | |
| o-Xylene | 0.124 | 0.0050 | " | 0.125 | | 99.0 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.143 | 0.0050 | " | 0.125 | | 115 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.147 | 0.0050 | " | 0.125 | | 118 | 70-130 | | | |
| Naphthalene | 0.143 | 0.0038 | " | 0.125 | | 114 | 70-130 | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0360</i> | | <i>"</i> | <i>0.0400</i> | | <i>89.9</i> | <i>50-150</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.0388</i> | | <i>"</i> | <i>0.0400</i> | | <i>96.9</i> | <i>50-150</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.0393</i> | | <i>"</i> | <i>0.0400</i> | | <i>98.2</i> | <i>50-150</i> | | | |

Matrix Spike (BGF0609-MS1)

Source: 2306298-13

Prepared & Analyzed: 06/16/23

| | | | | | | | | | | |
|---|---------------|--------|----------|---------------|----|-------------|---------------|--|--|--|
| Benzene | 0.118 | 0.0020 | mg/kg | 0.125 | ND | 94.7 | 70-130 | | | |
| Toluene | 0.113 | 0.0050 | " | 0.125 | ND | 90.6 | 70-130 | | | |
| Ethylbenzene | 0.130 | 0.0050 | " | 0.125 | ND | 104 | 70-130 | | | |
| m,p-Xylene | 0.266 | 0.010 | " | 0.250 | ND | 106 | 70-130 | | | |
| o-Xylene | 0.124 | 0.0050 | " | 0.125 | ND | 99.1 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.146 | 0.0050 | " | 0.125 | ND | 117 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.148 | 0.0050 | " | 0.125 | ND | 118 | 70-130 | | | |
| Naphthalene | 0.139 | 0.0038 | " | 0.125 | ND | 112 | 70-130 | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0363</i> | | <i>"</i> | <i>0.0400</i> | | <i>90.7</i> | <i>50-150</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.0388</i> | | <i>"</i> | <i>0.0400</i> | | <i>97.0</i> | <i>50-150</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.0391</i> | | <i>"</i> | <i>0.0400</i> | | <i>97.6</i> | <i>50-150</i> | | | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN

Project Manager: Paul Henehan

Reported:
06/26/23 14:16

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 BGF0609 - EPA 5030 Soil MS

| Matrix Spike Dup (BGF0609-MSD1) | Source: 2306298-13 | | | Prepared & Analyzed: 06/16/23 | | | | | | |
|----------------------------------|--------------------|--------|-------|-------------------------------|----|------|--------|--------|----|--|
| Benzene | 0.120 | 0.0020 | mg/kg | 0.125 | ND | 96.0 | 70-130 | 1.36 | 30 | |
| Toluene | 0.115 | 0.0050 | " | 0.125 | ND | 91.8 | 70-130 | 1.42 | 30 | |
| Ethylbenzene | 0.126 | 0.0050 | " | 0.125 | ND | 101 | 70-130 | 2.85 | 30 | |
| m,p-Xylene | 0.266 | 0.010 | " | 0.250 | ND | 106 | 70-130 | 0.0677 | 30 | |
| o-Xylene | 0.124 | 0.0050 | " | 0.125 | ND | 99.3 | 70-130 | 0.218 | 30 | |
| 1,2,4-Trimethylbenzene | 0.149 | 0.0050 | " | 0.125 | ND | 119 | 70-130 | 1.98 | 30 | |
| 1,3,5-Trimethylbenzene | 0.150 | 0.0050 | " | 0.125 | ND | 120 | 70-130 | 1.79 | 30 | |
| Naphthalene | 0.148 | 0.0038 | " | 0.125 | ND | 119 | 70-130 | 6.19 | 30 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0368 | | " | 0.0400 | | 92.0 | 50-150 | | | |
| Surrogate: Toluene-d8 | 0.0390 | | " | 0.0400 | | 97.4 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0394 | | " | 0.0400 | | 98.6 | 50-150 | | | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BGF0610 - EPA 3550A

Blank (BGF0610-BLK1)

Prepared & Analyzed: 06/16/23

| | | | | | | | | | | |
|--------------------------------|------|----|-------|------|--|-----|--------|--|--|--|
| C10-C28 (DRO) | ND | 50 | mg/kg | | | | | | | |
| C28-C36 (ORO) | ND | 50 | " | | | | | | | |
| Surrogate: <i>o</i> -Terphenyl | 12.6 | | " | 12.5 | | 101 | 30-150 | | | |

LCS (BGF0610-BS1)

Prepared & Analyzed: 06/16/23

| | | | | | | | | | | |
|--------------------------------|------|----|-------|------|--|------|--------|--|--|--|
| C10-C28 (DRO) | 537 | 50 | mg/kg | 500 | | 107 | 70-130 | | | |
| Surrogate: <i>o</i> -Terphenyl | 12.2 | | " | 12.5 | | 97.4 | 30-150 | | | |

Matrix Spike (BGF0610-MS1)

Source: 2306277-02

Prepared & Analyzed: 06/16/23

| | | | | | | | | | | |
|--------------------------------|------|----|-------|------|------|------|--------|--|--|--|
| C10-C28 (DRO) | 541 | 50 | mg/kg | 500 | 23.2 | 104 | 70-130 | | | |
| Surrogate: <i>o</i> -Terphenyl | 12.0 | | " | 12.5 | | 95.7 | 30-150 | | | |

Matrix Spike Dup (BGF0610-MSD1)

Source: 2306277-02

Prepared & Analyzed: 06/16/23

| | | | | | | | | | | |
|--------------------------------|------|----|-------|------|------|------|--------|------|----|--|
| C10-C28 (DRO) | 570 | 50 | mg/kg | 500 | 23.2 | 109 | 70-130 | 5.20 | 20 | |
| Surrogate: <i>o</i> -Terphenyl | 12.2 | | " | 12.5 | | 97.7 | 30-150 | | | |

Batch BGF0611 - EPA 3550A

Blank (BGF0611-BLK1)

Prepared & Analyzed: 06/16/23

| | | | | | | | | | | |
|--------------------------------|------|----|-------|------|--|------|--------|--|--|--|
| C10-C28 (DRO) | ND | 50 | mg/kg | | | | | | | |
| C28-C36 (ORO) | ND | 50 | " | | | | | | | |
| Surrogate: <i>o</i> -Terphenyl | 12.4 | | " | 12.5 | | 99.3 | 30-150 | | | |

LCS (BGF0611-BS1)

Prepared & Analyzed: 06/16/23

| | | | | | | | | | | |
|--------------------------------|------|----|-------|------|--|------|--------|--|--|--|
| C10-C28 (DRO) | 457 | 50 | mg/kg | 500 | | 91.5 | 70-130 | | | |
| Surrogate: <i>o</i> -Terphenyl | 12.2 | | " | 12.5 | | 97.9 | 30-150 | | | |

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BGF0611 - EPA 3550A

| Matrix Spike (BGF0611-MS1) | | Source: 2306298-13 | | | Prepared & Analyzed: 06/16/23 | | | | | | |
|--|------|---------------------------|-------|------|--|------|--------|-------|----|--|--|
| C10-C28 (DRO) | 472 | 50 | mg/kg | 500 | 9.77 | 92.4 | 70-130 | | | | |
| Surrogate: <i>o</i> -Terphenyl | 12.1 | | " | 12.5 | | 96.6 | 30-150 | | | | |
| Matrix Spike Dup (BGF0611-MSD1) | | Source: 2306298-13 | | | Prepared & Analyzed: 06/16/23 | | | | | | |
| C10-C28 (DRO) | 476 | 50 | mg/kg | 500 | 9.77 | 93.2 | 70-130 | 0.908 | 20 | | |
| Surrogate: <i>o</i> -Terphenyl | 12.6 | | " | 12.5 | | 101 | 30-150 | | | | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BGF0594 - EPA 5030 Soil MS

Blank (BGF0594-BLK1)

Prepared: 06/16/23 Analyzed: 06/17/23

| | | | | | | | | | | |
|---|---------------|---------|-------|---------------|--|-------------|---------------|--|--|--|
| Acenaphthene | ND | 0.00500 | mg/kg | | | | | | | |
| Anthracene | ND | 0.00500 | " | | | | | | | |
| Benzo (a) anthracene | ND | 0.00500 | " | | | | | | | |
| Benzo (a) pyrene | ND | 0.00500 | " | | | | | | | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | | | | | | | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | | | | | | | |
| Chrysene | ND | 0.00500 | " | | | | | | | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | | | | | | | |
| Fluoranthene | ND | 0.00500 | " | | | | | | | |
| Fluorene | ND | 0.00500 | " | | | | | | | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | | | | | | | |
| Pyrene | ND | 0.00500 | " | | | | | | | |
| 1-Methylnaphthalene | ND | 0.00500 | " | | | | | | | |
| 2-Methylnaphthalene | ND | 0.00500 | " | | | | | | | |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0309</i> | | " | <i>0.0333</i> | | <i>92.6</i> | <i>40-150</i> | | | |
| <i>Surrogate: Fluoranthene-d10</i> | <i>0.0407</i> | | " | <i>0.0333</i> | | <i>122</i> | <i>40-150</i> | | | |

LCS (BGF0594-BS1)

Prepared: 06/16/23 Analyzed: 06/17/23

| | | | | | | |
|---|---------------|---------|-------|---------------|------------|---------------|
| Acenaphthene | 0.0372 | 0.00500 | mg/kg | 0.0333 | 112 | 31-137 |
| Anthracene | 0.0393 | 0.00500 | " | 0.0333 | 118 | 30-120 |
| Benzo (a) anthracene | 0.0388 | 0.00500 | " | 0.0333 | 116 | 30-120 |
| Benzo (a) pyrene | 0.0364 | 0.00500 | " | 0.0333 | 109 | 30-120 |
| Benzo (b) fluoranthene | 0.0371 | 0.00500 | " | 0.0333 | 111 | 30-120 |
| Benzo (k) fluoranthene | 0.0351 | 0.00500 | " | 0.0333 | 105 | 30-120 |
| Chrysene | 0.0380 | 0.00500 | " | 0.0333 | 114 | 30-120 |
| Dibenz (a,h) anthracene | 0.0212 | 0.00500 | " | 0.0333 | 63.5 | 30-120 |
| Fluoranthene | 0.0372 | 0.00500 | " | 0.0333 | 112 | 30-120 |
| Fluorene | 0.0366 | 0.00500 | " | 0.0333 | 110 | 30-120 |
| Indeno (1,2,3-cd) pyrene | 0.0233 | 0.00500 | " | 0.0333 | 69.9 | 30-120 |
| Pyrene | 0.0376 | 0.00500 | " | 0.0333 | 113 | 35-142 |
| 1-Methylnaphthalene | 0.0372 | 0.00500 | " | 0.0333 | 112 | 35-142 |
| 2-Methylnaphthalene | 0.0390 | 0.00500 | " | 0.0333 | 117 | 35-142 |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0370</i> | | " | <i>0.0333</i> | <i>111</i> | <i>40-150</i> |
| <i>Surrogate: Fluoranthene-d10</i> | <i>0.0383</i> | | " | <i>0.0333</i> | <i>115</i> | <i>40-150</i> |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BGF0594 - EPA 5030 Soil MS

| Matrix Spike (BGF0594-MS1) | Source: 2306278-01 | | | Prepared: 06/16/23 Analyzed: 06/17/23 | | | | | | |
|------------------------------------|--------------------|---------|-------|---------------------------------------|----|------|--------|--|--|--|
| Acenaphthene | 0.0252 | 0.00500 | mg/kg | 0.0333 | ND | 75.7 | 31-137 | | | |
| Anthracene | 0.0259 | 0.00500 | " | 0.0333 | ND | 77.8 | 30-120 | | | |
| Benzo (a) anthracene | 0.0286 | 0.00500 | " | 0.0333 | ND | 85.9 | 30-120 | | | |
| Benzo (a) pyrene | 0.0248 | 0.00500 | " | 0.0333 | ND | 74.3 | 30-120 | | | |
| Benzo (b) fluoranthene | 0.0267 | 0.00500 | " | 0.0333 | ND | 80.0 | 30-120 | | | |
| Benzo (k) fluoranthene | 0.0242 | 0.00500 | " | 0.0333 | ND | 72.7 | 30-120 | | | |
| Chrysene | 0.0276 | 0.00500 | " | 0.0333 | ND | 82.9 | 30-120 | | | |
| Dibenz (a,h) anthracene | 0.0145 | 0.00500 | " | 0.0333 | ND | 43.6 | 30-120 | | | |
| Fluoranthene | 0.0256 | 0.00500 | " | 0.0333 | ND | 76.7 | 30-120 | | | |
| Fluorene | 0.0252 | 0.00500 | " | 0.0333 | ND | 75.6 | 30-120 | | | |
| Indeno (1,2,3-cd) pyrene | 0.0174 | 0.00500 | " | 0.0333 | ND | 52.1 | 30-120 | | | |
| Pyrene | 0.0290 | 0.00500 | " | 0.0333 | ND | 87.0 | 35-142 | | | |
| 1-Methylnaphthalene | 0.0282 | 0.00500 | " | 0.0333 | ND | 84.6 | 15-130 | | | |
| 2-Methylnaphthalene | 0.0266 | 0.00500 | " | 0.0333 | ND | 79.9 | 15-130 | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0276 | | " | 0.0333 | | 82.7 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0261 | | " | 0.0333 | | 78.3 | 40-150 | | | |

| Matrix Spike Dup (BGF0594-MSD1) | Source: 2306278-01 | | | Prepared: 06/16/23 Analyzed: 06/17/23 | | | | | | |
|------------------------------------|--------------------|---------|-------|---------------------------------------|----|------|--------|------|----|--|
| Acenaphthene | 0.0275 | 0.00500 | mg/kg | 0.0333 | ND | 82.4 | 31-137 | 8.48 | 30 | |
| Anthracene | 0.0287 | 0.00500 | " | 0.0333 | ND | 86.0 | 30-120 | 9.95 | 30 | |
| Benzo (a) anthracene | 0.0306 | 0.00500 | " | 0.0333 | ND | 91.9 | 30-120 | 6.76 | 30 | |
| Benzo (a) pyrene | 0.0275 | 0.00500 | " | 0.0333 | ND | 82.5 | 30-120 | 10.4 | 30 | |
| Benzo (b) fluoranthene | 0.0288 | 0.00500 | " | 0.0333 | ND | 86.5 | 30-120 | 7.84 | 30 | |
| Benzo (k) fluoranthene | 0.0271 | 0.00500 | " | 0.0333 | ND | 81.3 | 30-120 | 11.2 | 30 | |
| Chrysene | 0.0302 | 0.00500 | " | 0.0333 | ND | 90.6 | 30-120 | 8.85 | 30 | |
| Dibenz (a,h) anthracene | 0.0156 | 0.00500 | " | 0.0333 | ND | 46.9 | 30-120 | 7.20 | 30 | |
| Fluoranthene | 0.0276 | 0.00500 | " | 0.0333 | ND | 82.8 | 30-120 | 7.70 | 30 | |
| Fluorene | 0.0279 | 0.00500 | " | 0.0333 | ND | 83.7 | 30-120 | 10.2 | 30 | |
| Indeno (1,2,3-cd) pyrene | 0.0141 | 0.00500 | " | 0.0333 | ND | 42.4 | 30-120 | 20.6 | 30 | |
| Pyrene | 0.0307 | 0.00500 | " | 0.0333 | ND | 92.1 | 35-142 | 5.70 | 30 | |
| 1-Methylnaphthalene | 0.0298 | 0.00500 | " | 0.0333 | ND | 89.3 | 15-130 | 5.37 | 50 | |
| 2-Methylnaphthalene | 0.0282 | 0.00500 | " | 0.0333 | ND | 84.7 | 15-130 | 5.87 | 50 | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0297 | | " | 0.0333 | | 89.1 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0292 | | " | 0.0333 | | 87.7 | 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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

PAH by EPA Method 8270D SIM - Quality Control
Summit Scientific

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

Batch BGF0595 - EPA 5030 Soil MS

Blank (BGF0595-BLK1)

Prepared & Analyzed: 06/16/23

| | | | | | | | | | | |
|---|---------------|---------|-------|---------------|--|-------------|---------------|--|--|--|
| Acenaphthene | ND | 0.00500 | mg/kg | | | | | | | |
| Anthracene | ND | 0.00500 | " | | | | | | | |
| Benzo (a) anthracene | ND | 0.00500 | " | | | | | | | |
| Benzo (a) pyrene | ND | 0.00500 | " | | | | | | | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | | | | | | | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | | | | | | | |
| Chrysene | ND | 0.00500 | " | | | | | | | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | | | | | | | |
| Fluoranthene | ND | 0.00500 | " | | | | | | | |
| Fluorene | ND | 0.00500 | " | | | | | | | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | | | | | | | |
| Pyrene | ND | 0.00500 | " | | | | | | | |
| 1-Methylnaphthalene | ND | 0.00500 | " | | | | | | | |
| 2-Methylnaphthalene | ND | 0.00500 | " | | | | | | | |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0330</i> | | " | <i>0.0333</i> | | <i>98.9</i> | <i>40-150</i> | | | |
| <i>Surrogate: Fluoranthene-d10</i> | <i>0.0399</i> | | " | <i>0.0333</i> | | <i>120</i> | <i>40-150</i> | | | |

LCS (BGF0595-BS1)

Prepared & Analyzed: 06/16/23

| | | | | | | | | | | |
|---|---------------|---------|-------|---------------|--|-------------|---------------|--|--|--|
| Acenaphthene | 0.0323 | 0.00500 | mg/kg | 0.0333 | | 97.0 | 31-137 | | | |
| Anthracene | 0.0310 | 0.00500 | " | 0.0333 | | 93.0 | 30-120 | | | |
| Benzo (a) anthracene | 0.0282 | 0.00500 | " | 0.0333 | | 84.6 | 30-120 | | | |
| Benzo (a) pyrene | 0.0251 | 0.00500 | " | 0.0333 | | 75.4 | 30-120 | | | |
| Benzo (b) fluoranthene | 0.0269 | 0.00500 | " | 0.0333 | | 80.8 | 30-120 | | | |
| Benzo (k) fluoranthene | 0.0279 | 0.00500 | " | 0.0333 | | 83.6 | 30-120 | | | |
| Chrysene | 0.0313 | 0.00500 | " | 0.0333 | | 93.8 | 30-120 | | | |
| Dibenz (a,h) anthracene | 0.0218 | 0.00500 | " | 0.0333 | | 65.5 | 30-120 | | | |
| Fluoranthene | 0.0296 | 0.00500 | " | 0.0333 | | 88.7 | 30-120 | | | |
| Fluorene | 0.0345 | 0.00500 | " | 0.0333 | | 103 | 30-120 | | | |
| Indeno (1,2,3-cd) pyrene | 0.0255 | 0.00500 | " | 0.0333 | | 76.4 | 30-120 | | | |
| Pyrene | 0.0338 | 0.00500 | " | 0.0333 | | 101 | 35-142 | | | |
| 1-Methylnaphthalene | 0.0268 | 0.00500 | " | 0.0333 | | 80.6 | 35-142 | | | |
| 2-Methylnaphthalene | 0.0269 | 0.00500 | " | 0.0333 | | 80.8 | 35-142 | | | |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0273</i> | | " | <i>0.0333</i> | | <i>82.0</i> | <i>40-150</i> | | | |
| <i>Surrogate: Fluoranthene-d10</i> | <i>0.0307</i> | | " | <i>0.0333</i> | | <i>92.1</i> | <i>40-150</i> | | | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BGF0595 - EPA 5030 Soil MS

| Matrix Spike (BGF0595-MS1) | Source: 2306298-07 | | | Prepared & Analyzed: 06/16/23 | | | | | | |
|------------------------------------|--------------------|---------|-------|-------------------------------|----|------|--------|--|--|--|
| Acenaphthene | 0.0256 | 0.00500 | mg/kg | 0.0333 | ND | 76.9 | 31-137 | | | |
| Anthracene | 0.0265 | 0.00500 | " | 0.0333 | ND | 79.5 | 30-120 | | | |
| Benzo (a) anthracene | 0.0289 | 0.00500 | " | 0.0333 | ND | 86.8 | 30-120 | | | |
| Benzo (a) pyrene | 0.0201 | 0.00500 | " | 0.0333 | ND | 60.2 | 30-120 | | | |
| Benzo (b) fluoranthene | 0.0204 | 0.00500 | " | 0.0333 | ND | 61.3 | 30-120 | | | |
| Benzo (k) fluoranthene | 0.0216 | 0.00500 | " | 0.0333 | ND | 64.9 | 30-120 | | | |
| Chrysene | 0.0264 | 0.00500 | " | 0.0333 | ND | 79.2 | 30-120 | | | |
| Dibenz (a,h) anthracene | 0.0152 | 0.00500 | " | 0.0333 | ND | 45.7 | 30-120 | | | |
| Fluoranthene | 0.0265 | 0.00500 | " | 0.0333 | ND | 79.5 | 30-120 | | | |
| Fluorene | 0.0254 | 0.00500 | " | 0.0333 | ND | 76.2 | 30-120 | | | |
| Indeno (1,2,3-cd) pyrene | 0.0149 | 0.00500 | " | 0.0333 | ND | 44.7 | 30-120 | | | |
| Pyrene | 0.0275 | 0.00500 | " | 0.0333 | ND | 82.6 | 35-142 | | | |
| 1-Methylnaphthalene | 0.0227 | 0.00500 | " | 0.0333 | ND | 68.1 | 15-130 | | | |
| 2-Methylnaphthalene | 0.0228 | 0.00500 | " | 0.0333 | ND | 68.3 | 15-130 | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0217 | | " | 0.0333 | | 65.2 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0289 | | " | 0.0333 | | 86.7 | 40-150 | | | |

| Matrix Spike Dup (BGF0595-MSD1) | Source: 2306298-07 | | | Prepared & Analyzed: 06/16/23 | | | | | | |
|------------------------------------|--------------------|---------|-------|-------------------------------|----|------|--------|------|----|--|
| Acenaphthene | 0.0199 | 0.00500 | mg/kg | 0.0333 | ND | 59.6 | 31-137 | 25.4 | 30 | |
| Anthracene | 0.0206 | 0.00500 | " | 0.0333 | ND | 61.7 | 30-120 | 25.3 | 30 | |
| Benzo (a) anthracene | 0.0220 | 0.00500 | " | 0.0333 | ND | 65.9 | 30-120 | 27.4 | 30 | |
| Benzo (a) pyrene | 0.0179 | 0.00500 | " | 0.0333 | ND | 53.8 | 30-120 | 11.2 | 30 | |
| Benzo (b) fluoranthene | 0.0171 | 0.00500 | " | 0.0333 | ND | 51.2 | 30-120 | 17.9 | 30 | |
| Benzo (k) fluoranthene | 0.0172 | 0.00500 | " | 0.0333 | ND | 51.5 | 30-120 | 22.9 | 30 | |
| Chrysene | 0.0225 | 0.00500 | " | 0.0333 | ND | 67.4 | 30-120 | 16.0 | 30 | |
| Dibenz (a,h) anthracene | 0.0134 | 0.00500 | " | 0.0333 | ND | 40.3 | 30-120 | 12.5 | 30 | |
| Fluoranthene | 0.0202 | 0.00500 | " | 0.0333 | ND | 60.7 | 30-120 | 27.0 | 30 | |
| Fluorene | 0.0206 | 0.00500 | " | 0.0333 | ND | 61.8 | 30-120 | 20.9 | 30 | |
| Indeno (1,2,3-cd) pyrene | 0.0138 | 0.00500 | " | 0.0333 | ND | 41.3 | 30-120 | 7.95 | 30 | |
| Pyrene | 0.0210 | 0.00500 | " | 0.0333 | ND | 62.9 | 35-142 | 27.2 | 30 | |
| 1-Methylnaphthalene | 0.0223 | 0.00500 | " | 0.0333 | ND | 66.9 | 15-130 | 1.75 | 50 | |
| 2-Methylnaphthalene | 0.0209 | 0.00500 | " | 0.0333 | ND | 62.8 | 15-130 | 8.46 | 50 | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0223 | | " | 0.0333 | | 67.0 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0225 | | " | 0.0333 | | 67.5 | 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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

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

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

Batch BGF0745 - EPA 3050B

| | | | | | | | | | | |
|--|-------|--------|------|---------------------------------------|-------|---------------------------------------|--------|------|----|--|
| Blank (BGF0745-BLK1) | | | | Prepared: 06/21/23 Analyzed: 06/25/23 | | | | | | |
| Boron | ND | 0.0100 | mg/L | | | | | | | |
| LCS (BGF0745-BS1) | | | | Prepared: 06/21/23 Analyzed: 06/25/23 | | | | | | |
| Boron | 5.64 | 0.0100 | mg/L | 5.00 | 113 | 80-120 | | | | |
| Duplicate (BGF0745-DUP1) | | | | Source: 2306298-01 | | Prepared: 06/21/23 Analyzed: 06/25/23 | | | | |
| Boron | 0.126 | 0.0100 | mg/L | | 0.136 | | | 7.58 | 20 | |
| Matrix Spike (BGF0745-MS1) | | | | Source: 2306298-01 | | Prepared: 06/21/23 Analyzed: 06/25/23 | | | | |
| Boron | 5.58 | 0.0100 | mg/L | 5.00 | 0.136 | 109 | 75-125 | | | |
| Matrix Spike Dup (BGF0745-MSD1) | | | | Source: 2306298-01 | | Prepared: 06/21/23 Analyzed: 06/25/23 | | | | |
| Boron | 5.78 | 0.0100 | mg/L | 5.00 | 0.136 | 113 | 75-125 | 3.61 | 25 | |

Batch BGF0746 - EPA 3050B

| | | | | | | | | | | |
|-----------------------------------|-------|--------|------|---------------------------------------|-------|---------------------------------------|--------|------|----|--|
| Blank (BGF0746-BLK1) | | | | Prepared: 06/21/23 Analyzed: 06/26/23 | | | | | | |
| Boron | ND | 0.0100 | mg/L | | | | | | | |
| LCS (BGF0746-BS1) | | | | Prepared: 06/21/23 Analyzed: 06/26/23 | | | | | | |
| Boron | 5.63 | 0.0100 | mg/L | 5.00 | 113 | 80-120 | | | | |
| Duplicate (BGF0746-DUP1) | | | | Source: 2306298-21 | | Prepared: 06/21/23 Analyzed: 06/26/23 | | | | |
| Boron | 0.175 | 0.0100 | mg/L | | 0.197 | | | 11.9 | 20 | |
| Matrix Spike (BGF0746-MS1) | | | | Source: 2306298-21 | | Prepared: 06/21/23 Analyzed: 06/26/23 | | | | |
| Boron | 5.63 | 0.0100 | mg/L | 5.00 | 0.197 | 109 | 75-125 | | | |

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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

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

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

Batch BGF0746 - EPA 3050B

Matrix Spike Dup (BGF0746-MSD1)

Source: 2306298-21

Prepared: 06/21/23 Analyzed: 06/26/23

| | | | | | | | | | | |
|-------|------|--------|------|------|-------|-----|--------|------|----|--|
| Boron | 5.74 | 0.0100 | mg/L | 5.00 | 0.197 | 111 | 75-125 | 1.99 | 25 | |
|-------|------|--------|------|------|-------|-----|--------|------|----|--|

Summit Scientific



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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BGF0591 - EPA 3050B

Blank (BGF0591-BLK1)

Prepared: 06/16/23 Analyzed: 06/20/23

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

LCS (BGF0591-BS1)

Prepared: 06/16/23 Analyzed: 06/20/23

| | | | | | | | | | | |
|----------|------|--------|-----------|------|--|------|--------|--|--|--|
| Arsenic | 40.3 | 0.200 | mg/kg wet | 40.0 | | 101 | 80-120 | | | |
| Barium | 37.6 | 0.400 | " | 40.0 | | 93.9 | 80-120 | | | |
| Cadmium | 1.87 | 0.200 | " | 2.00 | | 93.4 | 80-120 | | | |
| Copper | 40.8 | 0.400 | " | 40.0 | | 102 | 80-120 | | | |
| Lead | 18.7 | 0.200 | " | 20.0 | | 93.7 | 80-120 | | | |
| Nickel | 40.3 | 0.400 | " | 40.0 | | 101 | 80-120 | | | |
| Selenium | 4.24 | 0.260 | " | 4.00 | | 106 | 80-120 | | | |
| Silver | 1.80 | 0.0200 | " | 2.00 | | 90.2 | 80-120 | | | |
| Zinc | 41.2 | 0.400 | " | 40.0 | | 103 | 80-120 | | | |

Duplicate (BGF0591-DUP1)

Source: 2306017-01

Prepared: 06/16/23 Analyzed: 06/20/23

| | | | | | | | | | | |
|----------|--------|--------|-----------|--|--------|--|--|------|----|--|
| Arsenic | 1.37 | 0.254 | mg/kg dry | | 1.41 | | | 2.77 | 20 | |
| Barium | 254 | 0.509 | " | | 288 | | | 12.4 | 20 | |
| Cadmium | 0.325 | 0.254 | " | | 0.333 | | | 2.47 | 20 | |
| Copper | 3.31 | 0.509 | " | | 3.27 | | | 1.31 | 20 | |
| Lead | 9.43 | 0.254 | " | | 9.16 | | | 2.89 | 20 | |
| Nickel | 3.76 | 0.509 | " | | 3.71 | | | 1.39 | 20 | |
| Selenium | ND | 0.331 | " | | ND | | | | 20 | |
| Silver | 0.0519 | 0.0254 | " | | 0.0549 | | | 5.71 | 20 | |
| Zinc | 12.5 | 0.509 | " | | 12.3 | | | 2.18 | 20 | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BGF0591 - EPA 3050B

Matrix Spike (BGF0591-MS1)

Source: 2306017-01

Prepared: 06/16/23 Analyzed: 06/20/23

| | | | | | | | | | | | |
|----------|------|--------|-----------|------|--------|------|--------|--|--|--|-------|
| Arsenic | 12.6 | 0.254 | mg/kg dry | 50.9 | 1.41 | 21.9 | 75-125 | | | | QM-07 |
| Barium | 334 | 0.509 | " | 50.9 | 288 | 91.6 | 75-125 | | | | |
| Cadmium | 2.66 | 0.254 | " | 2.54 | 0.333 | 91.4 | 75-125 | | | | |
| Copper | 15.1 | 0.509 | " | 50.9 | 3.27 | 23.3 | 75-125 | | | | QM-07 |
| Lead | 31.2 | 0.254 | " | 25.4 | 9.16 | 86.5 | 75-125 | | | | |
| Nickel | 15.9 | 0.509 | " | 50.9 | 3.71 | 24.0 | 75-125 | | | | QM-07 |
| Selenium | 4.68 | 0.331 | " | 5.09 | ND | 92.0 | 75-125 | | | | |
| Silver | 2.27 | 0.0254 | " | 2.54 | 0.0549 | 87.1 | 75-125 | | | | |
| Zinc | 24.4 | 0.509 | " | 50.9 | 12.3 | 23.8 | 75-125 | | | | QM-07 |

Matrix Spike Dup (BGF0591-MSD1)

Source: 2306017-01

Prepared: 06/16/23 Analyzed: 06/20/23

| | | | | | | | | | | | |
|----------|------|--------|-----------|------|--------|------|--------|--------|----|--|-------|
| Arsenic | 12.7 | 0.254 | mg/kg dry | 50.9 | 1.41 | 22.2 | 75-125 | 0.967 | 25 | | QM-07 |
| Barium | 314 | 0.509 | " | 50.9 | 288 | 50.7 | 75-125 | 6.43 | 25 | | QM-07 |
| Cadmium | 2.55 | 0.254 | " | 2.54 | 0.333 | 87.1 | 75-125 | 4.14 | 25 | | |
| Copper | 15.3 | 0.509 | " | 50.9 | 3.27 | 23.6 | 75-125 | 1.04 | 25 | | QM-07 |
| Lead | 29.3 | 0.254 | " | 25.4 | 9.16 | 79.3 | 75-125 | 6.10 | 25 | | |
| Nickel | 15.9 | 0.509 | " | 50.9 | 3.71 | 24.0 | 75-125 | 0.0127 | 25 | | QM-07 |
| Selenium | 4.66 | 0.331 | " | 5.09 | ND | 91.5 | 75-125 | 0.512 | 25 | | |
| Silver | 2.14 | 0.0254 | " | 2.54 | 0.0549 | 81.9 | 75-125 | 6.05 | 25 | | |
| Zinc | 24.6 | 0.509 | " | 50.9 | 12.3 | 24.2 | 75-125 | 0.901 | 25 | | QM-07 |

Batch BGF0660 - EPA 3050B

Blank (BGF0660-BLK1)

Prepared: 06/19/23 Analyzed: 06/22/23

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

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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BGF0660 - EPA 3050B

LCS (BGF0660-BS1)

Prepared: 06/19/23 Analyzed: 06/22/23

| | | | | | | | | | | |
|----------|------|--------|-----------|------|--|------|--------|--|--|--|
| Arsenic | 41.0 | 0.200 | mg/kg wet | 40.0 | | 102 | 80-120 | | | |
| Barium | 35.9 | 0.400 | " | 40.0 | | 89.7 | 80-120 | | | |
| Cadmium | 1.79 | 0.200 | " | 2.00 | | 89.5 | 80-120 | | | |
| Copper | 41.1 | 0.400 | " | 40.0 | | 103 | 80-120 | | | |
| Lead | 18.2 | 0.200 | " | 20.0 | | 90.8 | 80-120 | | | |
| Nickel | 40.7 | 0.400 | " | 40.0 | | 102 | 80-120 | | | |
| Selenium | 4.14 | 0.260 | " | 4.00 | | 104 | 80-120 | | | |
| Silver | 1.74 | 0.0200 | " | 2.00 | | 86.9 | 80-120 | | | |
| Zinc | 43.4 | 0.400 | " | 40.0 | | 108 | 80-120 | | | |

Duplicate (BGF0660-DUP1)

Source: 2306298-07

Prepared: 06/19/23 Analyzed: 06/22/23

| | | | | | | | | | | |
|----------|--------|--------|-----------|--|--------|--|--|------|----|-------|
| Arsenic | 0.827 | 0.241 | mg/kg dry | | 0.909 | | | 9.50 | 20 | |
| Barium | 124 | 0.482 | " | | 159 | | | 24.5 | 20 | QR-04 |
| Cadmium | 0.173 | 0.241 | " | | 0.187 | | | 7.51 | 20 | |
| Copper | 2.99 | 0.482 | " | | 3.13 | | | 4.51 | 20 | |
| Lead | 6.90 | 0.241 | " | | 9.23 | | | 28.9 | 20 | QR-04 |
| Nickel | 1.49 | 0.482 | " | | 1.69 | | | 12.3 | 20 | |
| Selenium | ND | 0.314 | " | | ND | | | | 20 | |
| Silver | 0.0458 | 0.0241 | " | | 0.0492 | | | 7.11 | 20 | |
| Zinc | 7.97 | 0.482 | " | | 9.30 | | | 15.4 | 20 | |

Matrix Spike (BGF0660-MS1)

Source: 2306298-07

Prepared: 06/19/23 Analyzed: 06/22/23

| | | | | | | | | | | |
|----------|------|--------|-----------|------|--------|------|--------|--|--|-------|
| Arsenic | 12.4 | 0.241 | mg/kg dry | 48.2 | 0.909 | 23.7 | 75-125 | | | QM-07 |
| Barium | 140 | 0.482 | " | 48.2 | 159 | NR | 75-125 | | | QM-07 |
| Cadmium | 2.28 | 0.241 | " | 2.41 | 0.187 | 87.0 | 75-125 | | | |
| Copper | 15.4 | 0.482 | " | 48.2 | 3.13 | 25.4 | 75-125 | | | QM-07 |
| Lead | 27.3 | 0.241 | " | 24.1 | 9.23 | 75.0 | 75-125 | | | |
| Nickel | 13.9 | 0.482 | " | 48.2 | 1.69 | 25.3 | 75-125 | | | QM-07 |
| Selenium | 5.30 | 0.314 | " | 4.82 | ND | 110 | 75-125 | | | |
| Silver | 2.04 | 0.0241 | " | 2.41 | 0.0492 | 82.7 | 75-125 | | | |
| Zinc | 22.1 | 0.482 | " | 48.2 | 9.30 | 26.5 | 75-125 | | | QM-07 |

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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BGF0660 - EPA 3050B

Matrix Spike Dup (BGF0660-MSD1)

Source: 2306298-07

Prepared: 06/19/23 Analyzed: 06/22/23

| | | | | | | | | | | |
|----------|------|--------|-----------|------|--------|------|--------|--------|----|-------|
| Arsenic | 12.6 | 0.241 | mg/kg dry | 48.2 | 0.909 | 24.2 | 75-125 | 1.69 | 25 | QM-07 |
| Barium | 138 | 0.482 | " | 48.2 | 159 | NR | 75-125 | 1.26 | 25 | QM-07 |
| Cadmium | 2.26 | 0.241 | " | 2.41 | 0.187 | 85.9 | 75-125 | 1.13 | 25 | |
| Copper | 15.4 | 0.482 | " | 48.2 | 3.13 | 25.4 | 75-125 | 0.0471 | 25 | QM-07 |
| Lead | 27.1 | 0.241 | " | 24.1 | 9.23 | 74.0 | 75-125 | 0.917 | 25 | QM-07 |
| Nickel | 14.0 | 0.482 | " | 48.2 | 1.69 | 25.5 | 75-125 | 0.547 | 25 | QM-07 |
| Selenium | 4.87 | 0.314 | " | 4.82 | ND | 101 | 75-125 | 8.35 | 25 | |
| Silver | 2.05 | 0.0241 | " | 2.41 | 0.0492 | 83.1 | 75-125 | 0.541 | 25 | |
| Zinc | 22.5 | 0.482 | " | 48.2 | 9.30 | 27.5 | 75-125 | 2.08 | 25 | QM-07 |

Batch BGF0661 - EPA 3050B

Blank (BGF0661-BLK1)

Prepared: 06/19/23 Analyzed: 06/23/23

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

LCS (BGF0661-BS1)

Prepared: 06/19/23 Analyzed: 06/23/23

| | | | | | | | | | | |
|----------|------|--------|-----------|------|--|------|--------|--|--|--|
| Arsenic | 34.5 | 0.200 | mg/kg wet | 40.0 | | 86.4 | 80-120 | | | |
| Barium | 35.2 | 0.400 | " | 40.0 | | 88.0 | 80-120 | | | |
| Cadmium | 1.80 | 0.200 | " | 2.00 | | 89.8 | 80-120 | | | |
| Copper | 37.1 | 0.400 | " | 40.0 | | 92.8 | 80-120 | | | |
| Lead | 17.6 | 0.200 | " | 20.0 | | 88.2 | 80-120 | | | |
| Nickel | 36.4 | 0.400 | " | 40.0 | | 91.0 | 80-120 | | | |
| Selenium | 3.99 | 0.260 | " | 4.00 | | 99.7 | 80-120 | | | |
| Silver | 1.78 | 0.0200 | " | 2.00 | | 88.9 | 80-120 | | | |
| Zinc | 36.3 | 0.400 | " | 40.0 | | 90.7 | 80-120 | | | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
Project Manager: Paul Henehan

Reported:
06/26/23 14:16

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BGF0661 - EPA 3050B

| Duplicate (BGF0661-DUP1) | | Source: 2306298-26 | | | Prepared: 06/19/23 | | Analyzed: 06/23/23 | |
|---------------------------------|-------|---------------------------|-----------|-------|--------------------|--------|--------------------|--|
| Arsenic | 4.94 | 0.255 | mg/kg dry | 4.63 | | 6.49 | 20 | |
| Barium | 178 | 0.510 | " | 175 | | 1.33 | 20 | |
| Cadmium | 0.437 | 0.255 | " | 0.411 | | 6.01 | 20 | |
| Copper | 10.8 | 0.510 | " | 10.6 | | 2.48 | 20 | |
| Lead | 14.5 | 0.255 | " | 14.5 | | 0.0598 | 20 | |
| Nickel | 6.68 | 0.510 | " | 6.31 | | 5.70 | 20 | |
| Selenium | ND | 0.331 | " | ND | | | 20 | |
| Silver | 0.103 | 0.0255 | " | 0.108 | | 4.34 | 20 | |
| Zinc | 26.5 | 0.510 | " | 26.4 | | 0.295 | 20 | |

| Matrix Spike (BGF0661-MS1) | | Source: 2306298-26 | | | Prepared: 06/19/23 | | Analyzed: 06/23/23 | |
|-----------------------------------|------|---------------------------|-----------|------|--------------------|------|--------------------|-------|
| Arsenic | 44.4 | 0.255 | mg/kg dry | 51.0 | 4.63 | 78.1 | 75-125 | |
| Barium | 217 | 0.510 | " | 51.0 | 175 | 81.6 | 75-125 | |
| Cadmium | 2.63 | 0.255 | " | 2.55 | 0.411 | 87.1 | 75-125 | |
| Copper | 32.9 | 0.510 | " | 51.0 | 10.6 | 43.8 | 75-125 | QM-07 |
| Lead | 34.6 | 0.255 | " | 25.5 | 14.5 | 79.0 | 75-125 | |
| Nickel | 28.9 | 0.510 | " | 51.0 | 6.31 | 44.3 | 75-125 | QM-07 |
| Selenium | 3.94 | 0.331 | " | 5.10 | ND | 77.2 | 75-125 | |
| Silver | 2.32 | 0.0255 | " | 2.55 | 0.108 | 86.8 | 75-125 | |
| Zinc | 51.0 | 0.510 | " | 51.0 | 26.4 | 48.1 | 75-125 | QM-07 |

| Matrix Spike Dup (BGF0661-MSD1) | | Source: 2306298-26 | | | Prepared: 06/19/23 | | Analyzed: 06/23/23 | | |
|--|------|---------------------------|-----------|------|--------------------|------|--------------------|-------|----|
| Arsenic | 46.5 | 0.255 | mg/kg dry | 51.0 | 4.63 | 82.1 | 75-125 | 4.57 | 25 |
| Barium | 226 | 0.510 | " | 51.0 | 175 | 99.1 | 75-125 | 4.02 | 25 |
| Cadmium | 2.72 | 0.255 | " | 2.55 | 0.411 | 90.6 | 75-125 | 3.37 | 25 |
| Copper | 32.5 | 0.510 | " | 51.0 | 10.6 | 42.9 | 75-125 | 1.31 | 25 |
| Lead | 36.6 | 0.255 | " | 25.5 | 14.5 | 86.9 | 75-125 | 5.67 | 25 |
| Nickel | 28.8 | 0.510 | " | 51.0 | 6.31 | 44.2 | 75-125 | 0.247 | 25 |
| Selenium | 3.66 | 0.331 | " | 5.10 | ND | 71.9 | 75-125 | 7.15 | 25 |
| Silver | 2.37 | 0.0255 | " | 2.55 | 0.108 | 88.8 | 75-125 | 2.19 | 25 |
| Zinc | 51.1 | 0.510 | " | 51.0 | 26.4 | 48.3 | 75-125 | 0.157 | 25 |

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

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

Batch BGF0589 - 3060A Mod

| | | | | | | | | | | | |
|--|------|-------------------------------|-----------|-------------------------------|------|--------|--------|-------|--|----|--|
| Blank (BGF0589-BLK1) | | Prepared & Analyzed: 06/16/23 | | | | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg wet | | | | | | | | |
| LCS (BGF0589-BS1) | | Prepared & Analyzed: 06/16/23 | | | | | | | | | |
| Chromium, Hexavalent | 23.2 | 0.30 | mg/kg wet | 25.0 | 92.6 | 80-120 | | | | | |
| Duplicate (BGF0589-DUP1) | | Source: 2306298-01 | | Prepared & Analyzed: 06/16/23 | | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | | ND | | | | | 20 | |
| Matrix Spike (BGF0589-MS1) | | Source: 2306298-01 | | Prepared & Analyzed: 06/16/23 | | | | | | | |
| Chromium, Hexavalent | 24.8 | 0.30 | mg/kg dry | 27.2 | ND | 91.0 | 75-125 | | | | |
| Matrix Spike Dup (BGF0589-MSD1) | | Source: 2306298-01 | | Prepared & Analyzed: 06/16/23 | | | | | | | |
| Chromium, Hexavalent | 24.9 | 0.30 | mg/kg dry | 27.2 | ND | 91.6 | 75-125 | 0.657 | | 20 | |

Batch BGF0634 - 3060A Mod

| | | | | | | | | | | | |
|-----------------------------------|------|-------------------------------|-----------|-------------------------------|------|--------|--------|--|--|----|--|
| Blank (BGF0634-BLK1) | | Prepared & Analyzed: 06/19/23 | | | | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg wet | | | | | | | | |
| LCS (BGF0634-BS1) | | Prepared & Analyzed: 06/19/23 | | | | | | | | | |
| Chromium, Hexavalent | 21.7 | 0.30 | mg/kg wet | 25.0 | 86.8 | 80-120 | | | | | |
| Duplicate (BGF0634-DUP1) | | Source: 2305661-02 | | Prepared & Analyzed: 06/19/23 | | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | | ND | | | | | 20 | |
| Matrix Spike (BGF0634-MS1) | | Source: 2305661-02 | | Prepared & Analyzed: 06/19/23 | | | | | | | |
| Chromium, Hexavalent | 29.8 | 0.30 | mg/kg dry | 32.7 | ND | 91.2 | 75-125 | | | | |

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 - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

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

Batch BGF0634 - 3060A Mod

Matrix Spike Dup (BGF0634-MSD1)

Source: 2305661-02

Prepared & Analyzed: 06/19/23

| | | | | | | | | | | |
|----------------------|------|------|-----------|------|----|------|--------|------|----|--|
| Chromium, Hexavalent | 30.3 | 0.30 | mg/kg dry | 32.7 | ND | 92.6 | 75-125 | 1.52 | 20 | |
|----------------------|------|------|-----------|------|----|------|--------|------|----|--|

Summit Scientific



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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

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

Summit Scientific

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

Batch BGF0701 - General Preparation

Blank (BGF0701-BLK1)

Prepared: 06/20/23 Analyzed: 06/22/23

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

LCS (BGF0701-BS1)

Prepared: 06/20/23 Analyzed: 06/22/23

| | | | | | | |
|-----------|------|--------|----------|------|------|--------|
| Calcium | 5.17 | 0.0500 | mg/L wet | 5.00 | 103 | 70-130 |
| Magnesium | 4.63 | 0.0500 | " | 5.00 | 92.6 | 70-130 |
| Sodium | 4.86 | 0.0500 | " | 5.00 | 97.2 | 70-130 |

Batch BGF0702 - General Preparation

Blank (BGF0702-BLK1)

Prepared: 06/20/23 Analyzed: 06/22/23

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

LCS (BGF0702-BS1)

Prepared: 06/20/23 Analyzed: 06/22/23

| | | | | | | |
|-----------|------|--------|----------|------|------|--------|
| Calcium | 4.08 | 0.0500 | mg/L wet | 5.00 | 81.7 | 70-130 |
| Magnesium | 4.84 | 0.0500 | " | 5.00 | 96.8 | 70-130 |
| Sodium | 5.55 | 0.0500 | " | 5.00 | 111 | 70-130 |

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN

Project Manager: Paul Henehan

Reported:

06/26/23 14:16

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

Summit Scientific

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

Batch BGF0605 - General Preparation

Duplicate (BGF0605-DUP1)

Source: 2306298-01

Prepared & Analyzed: 06/16/23

| | | | | | | | | | | |
|----------|------|--|---|--|------|--|--|--------|----|--|
| % Solids | 91.9 | | % | | 91.8 | | | 0.0883 | 20 | |
|----------|------|--|---|--|------|--|--|--------|----|--|

Summit Scientific



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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

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

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

Batch BGF0728 - General Preparation

Blank (BGF0728-BLK1)

Prepared & Analyzed: 06/21/23

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BGF0728-BS1)

Prepared & Analyzed: 06/21/23

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

Duplicate (BGF0728-DUP1)

Source: 2304559-01

Prepared & Analyzed: 06/21/23

Specific Conductance (EC) 0.988 0.0100 mmhos/cm 0.988 0.0405 20

Batch BGF0731 - General Preparation

Blank (BGF0731-BLK1)

Prepared & Analyzed: 06/21/23

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BGF0731-BS1)

Prepared & Analyzed: 06/21/23

Specific Conductance (EC) 0.153 0.0100 mmhos/cm 0.150 102 95-105

Duplicate (BGF0731-DUP1)

Source: 2306298-17

Prepared & Analyzed: 06/21/23

Specific Conductance (EC) 0.332 0.0100 mmhos/cm 0.336 1.29 20

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN
 Project Manager: Paul Henehan

Reported:
 06/26/23 14:16

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

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

Batch BGF0729 - General Preparation

| LCS (BGF0729-BS1) | | | | | | | | | | |
|---------------------------------|------|--|----------|------|-------------------------------|--------|--|--|--|--|
| | | | | | Prepared & Analyzed: 06/21/23 | | | | | |
| pH | 8.90 | | pH Units | 9.18 | 96.9 | 95-105 | | | | |
| Duplicate (BGF0729-DUP1) | | | | | | | | | | |
| | | | | | Source: 2306287-01 | | | | | |
| | | | | | Prepared & Analyzed: 06/21/23 | | | | | |
| pH | 8.19 | | pH Units | 8.19 | 0.00 | 20 | | | | |

Batch BGF0730 - General Preparation

| LCS (BGF0730-BS1) | | | | | | | | | | |
|---------------------------------|------|--|----------|------|-------------------------------|--------|--|--|--|--|
| | | | | | Prepared & Analyzed: 06/21/23 | | | | | |
| pH | 8.94 | | pH Units | 9.18 | 97.4 | 95-105 | | | | |
| Duplicate (BGF0730-DUP1) | | | | | | | | | | |
| | | | | | Source: 2306298-17 | | | | | |
| | | | | | Prepared & Analyzed: 06/21/23 | | | | | |
| pH | 8.24 | | pH Units | 8.45 | 2.52 | 20 | | | | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Clyncke B36-25

Project Number: UWRWE-A1712-ABN

Project Manager: Paul Henehan

Reported:
06/26/23 14:16

Notes and Definitions

- S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
- QR-04 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
- E The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference