

FREMONT ENVIRONMENTAL INC.

January 18, 2023

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

Subject: **Facility Closure Data Submittal**
 MAGGIE B13-12 (TB)
 API # 05-123-17924
 NWSW Sec. 13, T5N, R64W
 Weld County, Colorado
 Fremont Project No. C022-182
 Facility # 467489, Remediation #25018

Dear Mr. Peterson:

As you requested, Fremont Environmental Inc. (Fremont) personnel conducted Facility Closure activities for the Noble Energy Inc. (Noble) Maggie B13-12. Impacted soil was not encountered during abandonment activities. Details of the Maggie B13-12 facility closure activities are documented in the attached Closure Report. Groundwater was not encountered during the facility abandonment activities.

Please contact me at (303) 956-8714 if you require any additional information. Fremont appreciates the opportunity to provide this service.

Sincerely,

FREMONT ENVIRONMENTAL INC.



Paul V. Henchan, P.E.
Senior Consultant

Attachments:

Facility Closure Checklist
Tables
Figures
Photos
Laboratory Reports

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

Tank Battery Closure Checklist

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

| | | | | | | | | |
|---|--|-------------------|--|------------------|--|------------------|--|--------------------------------------|
| Additional attachments (optional): | | Pit Closure | | Wellhead Closure | | Flowline Closure | X | Partially Buried Vault Closure |
| Site Name & COGCC Facility Number: Maggie B13-12 Facility ID: 467489 | | Date: 11/14/2022 | | | | | | Remediation Project #: 25018 |
| Associated Wells: Maggie B13-12 API: 05-123-17924 Facility ID: 250121 API: 05-123-18469 Facility ID: 250666 | | Age of Site: 1994 | | | | | | Number of Photos Attached: 13 Photos |
| Location: (GPS coordinates of southeast berm) 40.397922, -104.507665 | | | | | | | Estimated Facility Size (acres): ~1 Acre | |

General Condition of Site: (General observations regarding housekeeping, corrosion, waste management, etc.)

Good housekeeping. General condition for all the on-site equipment looked fine. Waste management well maintained.

| | |
|--------------------|-------------------------------------|
| USCS Soil Type: SP | Estimated Depth to Groundwater: N/A |
|--------------------|-------------------------------------|

Hydrocarbon Impacted Soils / Spills: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)

None observed

Salt Crusted Soils or Impacted Vegetation: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)

None observed

| Tanks | |
|-------|--|
|-------|--|

| | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|
| <i>Tank Contents</i> | Oil | | | | | | | | |
| <i>Size (barrels)</i> | 300 BBLS | | | | | | | | |
| <i>Age</i> | 1994 | | | | | | | | |
| <i>Construction Material</i> | Steel | | | | | | | | |
| <i>Tank type (AST/DDV, etc.)</i> | AST | | | | | | | | |
| <i>Visual Integrity of Tank</i> | No Damage | | | | | | | | |
| <i>Condition of tank footprint</i> | No Impacts | | | | | | | | |
| <i>PID Readings</i> | High @ 0.5ppm | | | | | | | | |
| <i>Soil impacts present at valves or hatches?</i> | No Impacts | | | | | | | | |
| <i>PID Readings</i> | N/A | | | | | | | | |
| <i>Sample taken? Location/ Sample ID#</i> | 40.397945, -104.508002 AST01 @6.0" | | | | | | | | |
| <i>Photo Number(s)</i> | Photo 1A-1B | | | | | | | | |

Other observations regarding tanks:
Tank removed prior to sampling

Separators

| | | | | | | | | | |
|---------------------------------------|---|--|--|--|--|--|--|--|--|
| Separator size | UNK | | | | | | | | |
| Vertical or Horizontal | Horizontal | | | | | | | | |
| Age | 1994 | | | | | | | | |
| Soil impacts | No Impacts | | | | | | | | |
| PID Readings | High @ 0.0ppm | | | | | | | | |
| Sample taken? Location/ Sample ID# | 40.397923, -104.507728 SEP01@3.0' | | | | | | | | |
| Photo Number(s) | Photo 3A-3B | | | | | | | | |

Other observations regarding separators
Separator appeared to be in good condition with minimal corrosion. An exceedance in pH (8.57) was found at the Separator (SEP01@3.0'). Refer to inorganic soil chemistry table (Table 3) for reference.

| Third Party Equipment | |
|-----------------------|-----|
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |
| 6 | 6 |
| 7 | 7 |
| 8 | 8 |
| 9 | 9 |
| 10 | 10 |
| 11 | 11 |
| 12 | 12 |
| 13 | 13 |
| 14 | 14 |
| 15 | 15 |
| 16 | 16 |
| 17 | 17 |
| 18 | 18 |
| 19 | 19 |
| 20 | 20 |
| 21 | 21 |
| 22 | 22 |
| 23 | 23 |
| 24 | 24 |
| 25 | 25 |
| 26 | 26 |
| 27 | 27 |
| 28 | 28 |
| 29 | 29 |
| 30 | 30 |
| 31 | 31 |
| 32 | 32 |
| 33 | 33 |
| 34 | 34 |
| 35 | 35 |
| 36 | 36 |
| 37 | 37 |
| 38 | 38 |
| 39 | 39 |
| 40 | 40 |
| 41 | 41 |
| 42 | 42 |
| 43 | 43 |
| 44 | 44 |
| 45 | 45 |
| 46 | 46 |
| 47 | 47 |
| 48 | 48 |
| 49 | 49 |
| 50 | 50 |
| 51 | 51 |
| 52 | 52 |
| 53 | 53 |
| 54 | 54 |
| 55 | 55 |
| 56 | 56 |
| 57 | 57 |
| 58 | 58 |
| 59 | 59 |
| 60 | 60 |
| 61 | 61 |
| 62 | 62 |
| 63 | 63 |
| 64 | 64 |
| 65 | 65 |
| 66 | 66 |
| 67 | 67 |
| 68 | 68 |
| 69 | 69 |
| 70 | 70 |
| 71 | 71 |
| 72 | 72 |
| 73 | 73 |
| 74 | 74 |
| 75 | 75 |
| 76 | 76 |
| 77 | 77 |
| 78 | 78 |
| 79 | 79 |
| 80 | 80 |
| 81 | 81 |
| 82 | 82 |
| 83 | 83 |
| 84 | 84 |
| 85 | 85 |
| 86 | 86 |
| 87 | 87 |
| 88 | 88 |
| 89 | 89 |
| 90 | 90 |
| 91 | 91 |
| 92 | 92 |
| 93 | 93 |
| 94 | 94 |
| 95 | 95 |
| 96 | 96 |
| 97 | 97 |
| 98 | 98 |
| 99 | 99 |
| 100 | 100 |

| | | | | | | | | | |
|-------------|------------|--|--|--|--|--|--|--|--|
| <i>Type</i> | Meter Shed | | | | | | | | |
| <i>Age</i> | 1994 | | | | | | | | |

| | | | | | | | | | | | | | | |
|--|-------------------|--|--|--|---|--|--|--|--|--|--|--|--|--|
| Third Party | UNK | | | | | | | | | | | | | |
| Removal Date | Still Present | | | | | | | | | | | | | |
| Sample taken? | Field Screen Only | | | | | | | | | | | | | |
| PID Readings | High @ 0.2ppm | | | | | | | | | | | | | |
| Photo Number(s) | Photo 6A | | | | | | | | | | | | | |
| Other Facility Equipment | | | | | | | | | | | | | | |
| Equipment type | Combustion Unit | | | | | | | | | | | | | |
| Equipment Condition | No Damage | | | | | | | | | | | | | |
| Age | 1994 | | | | | | | | | | | | | |
| Soil impacts | No Impacts | | | | | | | | | | | | | |
| PID Readings | High @ 1.2ppm | | | | | | | | | | | | | |
| Sample taken? | ECD01@1.0' | | | | | | | | | | | | | |
| Photo Number(s) | Photo 5A | | | | | | | | | | | | | |
| Other observations regarding other facility or third party equipment: Combustion unit removed prior to sampling event | | | | | | | | | | | | | | |
| Summary | | | | | | | | | | | | | | |
| Was impacted soil identified? No Yes - less than 10 cubic yards Yes - more than 10 cubic yards | | | | | | | | | | | | | | |
| Total number of samples field screened: 2 Samples | | | | | Total number of samples collected: 5 Samples | | | | | | | | | |
| Highest PID Reading: High at 1.2ppm (ECD01@1.0') | | | | | Total number of samples submitted to lab for analysis: 3 Samples | | | | | | | | | |
| If more than 10 cubic yards of impacted soil were observed: | | | | | | | | | | | | | | |
| Vertical extent: N/A | | | | | Estimated spill volume: N/A | | | | | | | | | |
| Lateral extent: N/A | | | | | Volume of soil removed: N/A | | | | | | | | | |
| Is additional investigation required? N/A | | | | | | | | | | | | | | |
| Was groundwater encountered during the investigation? No Yes - not impacted or in contact with impacted soils Yes - groundwater impacted and/or in contact with impacted soils | | | | | | | | | | | | | | |
| Measured depth to groundwater: N/A | | | | | Was remedial groundwater removal conducted? Yes No | | | | | | | | | |
| Date Groundwater was encountered: N/A | | | | | Commencement date of removal: N/A | | | | | | | | | |
| Sheen on groundwater? Yes No | | | | | Volume of groundwater removed prior to sampling: N/A | | | | | | | | | |
| Free product observed? Yes No | | | | | Volume of groundwater removed post sampling: N/A | | | | | | | | | |
| Total number of samples collected: N/A | | | | | Total Volume of groundwater removed: N/A | | | | | | | | | |
| Total number of samples submitted to lab for analysis: N/A | | | | | | | | | | | | | | |

Buried or Partially Buried Vessel Closure Checklist

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

| Additional attachments (optional): | | Pit Closure | | Wellhead Closure | | Flowline Closure | X | Tank Battery Closure |
|---|--------------------------------|--|--|------------------|--|------------------|------------------------|--------------------------------------|
| Site Name & COGCC Facility Number: Maggie B13-12 Facility ID: 467489 | | Date: 11/14/2022 | | | | | | Remediation Project #: 25018 |
| Associated Wells: Maggie B13-12 API: 05-123-17924 Maggie B13-13 API: 05-123-18469 Facility ID: 250121 Facility ID: 250666 | | Age of Site: 1994 | | | | | | Number of Photos Attached: 11 Photos |
| Location: (GPS coordinates of vault or southeastern tank berm for multiple) | | | | | | | 40.397932, -104.507937 | |
| General Condition of Site: (General observations regarding housekeeping, corrosion, waste management, etc.) | | | | | | | | |
| Good housekeeping. General condition for all the on-site equipment looked fine. Waste management well maintained. | | | | | | | | |
| USCS Soil Type: SP | | | | | Estimated Depth to Groundwater: N/A | | | |
| Hydrocarbon Impacted Soils / Spills: (Note estimated size and if impact appears to be surficial or extends to an unknown depth) | | | | | | | | |
| None observed | | | | | | | | |
| Salt Crusted Soils or Impacted Vegetation: (Note estimated size and if impact appears to be surficial or extends to an unknown depth) | | | | | | | | |
| None observed | | | | | | | | |
| Buried or Partially Buried Vessels | | | | | | | | |
| Tank Contents | Produced Water | | | | | | | |
| Size (barrels) | <100 BBLS | | | | | | | |
| Age | 1994 | | | | | | | |
| Construction Material | PBV Concrete | | | | | | | |
| Visual Integrity of Tank | No Damage | | | | | | | |
| Condition of tank foundation | No Impacts | | | | | | | |
| PID Readings | High @ 0.7ppm | | | | | | | |
| Condition of dumpline | No Damage | | | | | | | |
| PID Readings | High @ 0.0ppm DL01 @ 3.0' | | | | | | | |
| Sample taken? Location/Sample ID# | PWVB01 @ 8.0' PWVE01 @ 6.5' | | | | | | | |
| Photo Number(s) | Photo 2A-2E & 4A | | | | | | | |
| Other observations regarding partially buried vessels: | | | | | | | | |
| The eastern sidewall of PWV excavation was the tie-in point for the dumpline to the separator. Dumplines were pulled. An exceedance in pH (8.48) was found at the eastern sidewall of Produced Water Vault excavation (PWVE01 @ 6.5'). Refer to inorganic soil chemistry table (Table 3) for reference. | | | | | | | | |
| Summary | | | | | | | | |
| Was impacted soil identified? | | | | | | | | |
| No | | Yes - less than 10 cubic yards | | | Yes - more than 10 cubic yards | | | |
| Total number of samples field screened: 4 samples | | | | | Total number of samples collected: 6 samples | | | |
| Highest PID Reading: High @ 0.7ppm (PWVB01 @ 8.0') | | | | | Total number of samples submitted to lab for analysis: 2 samples | | | |
| If more than 10 cubic yards of impacted soil were observed: | | | | | | | | |
| Vertical extent: N/A | | | | | Estimated spill volume: N/A | | | |
| Lateral extent: N/A | | | | | Volume of soil removed: N/A | | | |
| Is additional investigation required? No | | | | | | | | |
| Was groundwater encountered during the investigation? | | | | | | | | |
| No | | Yes - not impacted or in contact with impacted soils | | | Yes - groundwater impacted and/or in contact with impacted soils | | | |
| Measured depth to groundwater: N/A | | | | | Was remedial groundwater removal conducted? Yes No | | | |
| Date Groundwater was encountered: N/A | | | | | Commencement date of removal: N/A | | | |
| Sheen on groundwater? Yes No | | | | | Volume of groundwater removed prior to sampling: N/A | | | |
| Free product observed? Yes No | | | | | Volume of groundwater removed post sampling: N/A | | | |
| Total number of samples collected: N/A | | | | | Total Volume of groundwater removed: N/A | | | |
| Total number of samples submitted to lab for analysis: N/A | | | | | | | | |

TABLE 1
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
NOBLE ENERGY INC.
MAGGIE B13-12, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C022-182

| 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) |
|--|-------------|------------|--------------------|--------------------|--------------------------|--------------------|--|--|------------------------|--------------------|--------------------|--------------------|
| COGCC Table 915-1 Limits (Residential SSL) | | | 1.2 | 490 | 5.8 | 58 | 30 | 27 | 2 | 500 | | |
| COGCC Table 915-1 Limits (Protection of Groundwater SSL) | | | 0.0026 | 0.69 | 0.78 | 9.9 | 0.0081 | 0.0087 | 0.0038 | 500 | | |
| AST01@6.0" | 11/14/2022 | 0.5 Ft | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.50 | <50 | <50 |
| PWVB01@8.0' | 11/14/2022 | 8.0 Ft | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.50 | <50 | <50 |
| PWVE01@6.5' | 11/14/2022 | 6.5 Ft | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.50 | <50 | <50 |
| SEP01@3.0' | 11/14/2022 | 3.0 Ft | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.50 | <50 | <50 |
| | | | | | | | | | | | | |

Bold faced values exceed the COGCC Table 915-1 concentrations

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

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

TABLE 2
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
NOBLE ENERGY INC.
MAGGIE B13-12, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C022-182

| 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) |
|--|-------------|------------|-------------------------|-----------------------|------------------------------------|--------------------------------|--------------------------------------|--------------------------------------|---------------------|--|-------------------------|---------------------|---|-------------------|--------------------------------------|-------------------------------------|
| COGCC Table 915-1 Limits (Residential SSL) | | | 360 | 1800 | 1.1 | 0.11 | 1.1 | 11 | 110 | 0.11 | 240 | 240 | 1.1 | 180 | 18 | 24 |
| COGCC Table 915-1 Limits (Protection of Groundwater SSL) | | | 0.55 | 5.8 | 0.011 | 0.24 | 0.3 | 2.9 | 9 | 0.096 | 8.9 | 0.54 | 0.98 | 1.3 | 0.006 | 0.019 |
| AST01@6.0" | 11/14/2022 | 0.5 Ft | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 |
| PWVB01@8.0' | 11/14/2022 | 8.0 Ft | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 |
| PWVE01@6.5' | 11/14/2022 | 6.5 Ft | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 |
| SEP01@3.0' | 11/14/2022 | 3.0 Ft | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 |

Bold faced values exceed the COGCC Table 915-1 concentrations

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

TABLE 3
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE ENERGY INC.
MAGGIE B13-12, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C022-182

| Sample ID | Sample Date | Depth (ft) | EC (mmhos/cm) | pH | SAR | Boron (mg/L) |
|--|-------------|------------|------------------|-------------|--------|--------------|
| COGCC Table 915-1 Soil Suitability Limits | | | <4 | 6 - 8.3 | <6 | 2 |
| Site Specific Background Concentration/Value | | | | | | |
| AST01@6.0" | 11/14/2022 | 0.5 Ft | 0.419 | 8.12 | 0.665 | 0.249 |
| PWVB01@8.0' | 11/14/2022 | 8.0 Ft | 1.04 | 8.29 | 3.16 | 0.0596 |
| PWVE01@6.5' | 11/14/2022 | 6.5 Ft | 0.153 | 8.48 | 0.0648 | 0.0838 |
| SEP01@3.0' | 11/14/2022 | 3.0 Ft | 0.157 | 8.57 | 0.0337 | 0.138 |
| BKG01@6.0" | 11/14/2022 | 0.5 Ft | 0.391 | 8.03 | 0.303 | 0.104 |
| | | | | | | |

Bold faced values exceed the COGCC Table 915-1 concentrations

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



LEGEND

| | | | | | | | | |
|----------------------------------|-------------------------------------|----------|----------|-----------------|-----------|-----------|------------|------------------|
| ● WELL HEAD LOCATION | ○ ABOVE GROUND STORAGE TANK | BUILDING | BUILDING | FORMER FACILITY | FLOW LINE | DUMP LINE | FENCE LINE | CONTAINMENT BERM |
| ▲ PID READING LOCATION | | | | | | | | |
| REAR VIEW | PID READING LOCATION IDENTIFICATION | | | | | | | |
| PHOTO IONIZATION DETECTION (ppm) | | | | | | | | |

Figure 2
SITE MAP

NOBLE ENERGY, INC. ~ MAGGIE B 13-12
NWSW Sec. 13, T5N, R64W, 6th PM
Weld County, Colorado
40.397587°, -104.506306°

| | | | |
|--------------------------------|-------------------------------|-----------------------------|---------------------------------|
| Project No. C022-182 | API # 05-123-17924 | Facility # 467489 | REMONT ENVIRONMENTAL |
| Date 1/18/23 | Remediation # 25018 | Filename 22182QFC | |



Figure 3
SOIL CHEMISTRY MAP

NOBLE ENERGY, INC. ~ MAGGIE B 13-12
NWSW Sec. 13, T5N, R64W, 6th PM Weld
County, Colorado
40.397587°, -104.506306°

| | | | |
|--------------------------------|-------------------------------|-----------------------------|--|
| Project No. C022-182 | API # 05-123-17924 | Facility # 467489 | |
| Date 1/18/23 | Remediation # 25018 | Filename 22182QFC | |

Photo Log



Description:

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

Photo Log



Description:

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

Photo Log



Description:

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

Photo Log



Description:

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

Photo Log



Description:

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

Photo Log



Description:

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

Photo Log



Description:

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

Photo Log



Description:

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

Photo Log



Description:

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

Photo Log



Description:

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

Photo Log



Description:

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

Photo Log



Description:

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

Photo Log



Description:

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

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

November 22, 2022

Paul Henchan
Fremont Environmental
PO Box 1289
Wellington, CO 80549
RE: Noble - Maggie TB
Work Order #2211248

Enclosed are the results of analyses for samples received by Summit Scientific on 11/14/22 16:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Mikayla Axtell For Paul Shrewsbury
President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Maggie TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/22/22 14:40

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-------------|---------------|--------|----------------|----------------|
| AST01@6.0' | 2211248-01 | Soil | 11/14/22 00:00 | 11/14/22 16:00 |
| PWVB01@8.0' | 2211248-02 | Soil | 11/14/22 00:00 | 11/14/22 16:00 |
| PWVE01@6.5' | 2211248-03 | Soil | 11/14/22 00:00 | 11/14/22 16:00 |
| SEP01@3.0' | 2211248-04 | Soil | 11/14/22 00:00 | 11/14/22 16:00 |
| BKG01@6.0" | 2211248-05 | Soil | 11/14/22 00:00 | 11/14/22 16:00 |

Summit Scientific

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

Summit Scientific

2211248

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310

Page 1 of 1

Client: Fremont Env

Project Manager: Paul Menchan

Address:

E-Mail: Paulh@fremontenv.com Jeffg@fremontenv.com

City/State/Zip:

Ethanb@fremontenv.com

Phone:

Project Name: Maggie TB

Sampler Name: J6

Project Number:

| 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+N | TMBS (915) | GR0, DR0, OR0 | PAHs (915) | EC, PH, SAR Boron | Metals (915) | | | |
| 1 | AST01@6.0' | 11/14/22 | | 2 | | | X | | | X | | | | X | X | X | X | X | | | |
| 2 | PWVB01@8.0' | ↓ | | 1 | | | ↓ | | | ↓ | | | | ↓ | ↓ | ↓ | ↓ | | | | |
| 3 | PWVE01@6.5' | ↓ | | 1 | | | ↓ | | | ↓ | | | | ↓ | ↓ | ↓ | ↓ | | | | |
| 4 | SEP01@3.0' | ↓ | | 2 | | | ↓ | | | ↓ | | | | X | X | X | X | X | | | |
| 5 | BKG01@6.0' | ↓ | | 1 | | | ↓ | | | ↓ | | | | | | | X | X | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | |

| | | | | | |
|---------------------------------------|-----------------------------------|---------------------------------|--------------------------------|--|------------------------------------|
| Relinquished by: <u>[Signature]</u> | Date/Time: <u>11/14/22</u> | Received by: <u>[Signature]</u> | Date/Time: <u>11/14 16:00</u> | Turn Around Time (Check) Same Day <u> </u> 72 hours <u> </u> 24 hours <u> </u> <u>Standard</u> <u>X</u> 48 hours <u> </u> | Notes: <u>Bill to Noble</u> |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Sample Integrity: Samples Intact: <u>Yes</u> No | |
| Temperature Upon Receipt: <u>14.5</u> | Corrected Temperature <u> </u> | HNO3 lot # <u> </u> | IR gun correction: <u> </u> | IR gun #: <u>2</u> | |

S₂

2211248

Sample Receipt Checklist

S2 Work Order#

Client: Fremont EnvClient Project ID: Maggre TB

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

Airbill #:

☒ ☐ ☐ ☐ ☐

Matrix (Check all that apply)

Air

☐

Soil/Solid

☒

Water

☐

Other

☐

Temp (°C)

14.5

Thermometer #

2

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

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

Carla Rich

Custodian Printed Name

11/14 16:15

Date/Time



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Maggie TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/22/22 14:40

AST01@6.0'
2211248-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BFK0385 | 11/15/22 | 11/16/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 68.1 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 101 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 91.5 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFK0387 | 11/15/22 | 11/16/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **11/14/22 00:00**

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

PAH by EPA Method 8270D SIM

Summit Scientific

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 - Maggie TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/22/22 14:40

AST01@6.0'
2211248-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BFK0481 | 11/18/22 | 11/18/22 | EPA 8270D SIM | |
| Anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Chrysene | ND | 0.00500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 67.8 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 47.4 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.249 | 0.0100 | mg/L | 1 | BFK0467 | 11/17/22 | 11/18/22 | EPA 6020B | |

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

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | 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 - Maggie TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/22/22 14:40

AST01@6.0'
2211248-01 (Soil)

Summit Scientific

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

| | | | | | | | | |
|-----------|------|--------|----------|---|---------|----------|----------|-----------|
| Calcium | 41.2 | 0.0529 | mg/L dry | 1 | BFK0446 | 11/16/22 | 11/18/22 | EPA 6020B |
| Magnesium | 16.3 | 0.0529 | " | " | " | " | " | " |
| Sodium | 19.9 | 0.0529 | " | " | " | " | " | " |

Calculated Analysis

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.665 | 0.00100 | units | 1 | BFK0500 | 11/18/22 | 11/18/22 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 94.6 | | % | 1 | BFK0399 | 11/15/22 | 11/15/22 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.419 | 0.0100 | mmhos/cm | 1 | BFK0470 | 11/17/22 | 11/17/22 | EPA 120.1 | |

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

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.12 | | pH Units | 1 | BFK0469 | 11/17/22 | 11/17/22 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Maggie TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/22/22 14:40

PWVB01@8.0'
2211248-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BFK0385 | 11/15/22 | 11/16/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 69.5 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 103 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 104 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFK0387 | 11/15/22 | 11/16/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | | 90.5 % | 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 - Maggie TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/22/22 14:40

PWVB01@8.0'
2211248-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BFK0481 | 11/18/22 | 11/18/22 | EPA 8270D SIM | |
| Anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Chrysene | ND | 0.00500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 69.6 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 58.1 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.0596 | 0.0100 | mg/L | 1 | BFK0467 | 11/17/22 | 11/18/22 | EPA 6020B | |

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

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | 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 - Maggie TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/22/22 14:40

PWVB01@8.0'
2211248-02 (Soil)

Summit Scientific

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

| | | | | | | | | |
|-----------|------|--------|----------|---|---------|----------|----------|-----------|
| Calcium | 53.0 | 0.0508 | mg/L dry | 1 | BFK0446 | 11/16/22 | 11/18/22 | EPA 6020B |
| Magnesium | 16.6 | 0.0508 | " | " | " | " | " | " |
| Sodium | 103 | 0.0508 | " | " | " | " | " | " |

Calculated Analysis

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 3.16 | 0.00100 | units | 1 | BFK0500 | 11/18/22 | 11/18/22 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 98.4 | | % | 1 | BFK0399 | 11/15/22 | 11/15/22 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 1.04 | 0.0100 | mmhos/cm | 1 | BFK0470 | 11/17/22 | 11/17/22 | EPA 120.1 | |

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

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.29 | | pH Units | 1 | BFK0469 | 11/17/22 | 11/17/22 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Maggie TB

Project Number: [none]
Project Manager: Paul Henehan

Reported:
11/22/22 14:40

PWVE01@6.5'
2211248-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BFK0385 | 11/15/22 | 11/16/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 70.0 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 106 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 104 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFK0387 | 11/15/22 | 11/16/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | | 88.6 % | 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 - Maggie TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/22/22 14:40

PWVE01@6.5'
2211248-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BFK0481 | 11/18/22 | 11/18/22 | EPA 8270D SIM | |
| Anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Chrysene | ND | 0.00500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 80.3 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 63.0 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.0838 | 0.0100 | mg/L | 1 | BFK0467 | 11/17/22 | 11/18/22 | EPA 6020B | |

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

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | 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 - Maggie TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/22/22 14:40

PWVE01@6.5'
2211248-03 (Soil)

Summit Scientific

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

| | | | | | | | | |
|-----------|------|--------|----------|---|---------|----------|----------|-----------|
| Calcium | 42.1 | 0.0523 | mg/L dry | 1 | BFK0446 | 11/16/22 | 11/18/22 | EPA 6020B |
| Magnesium | 5.36 | 0.0523 | " | " | " | " | " | " |
| Sodium | 1.68 | 0.0523 | " | " | " | " | " | " |

Calculated Analysis

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.0648 | 0.00100 | units | 1 | BFK0500 | 11/18/22 | 11/18/22 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 95.5 | | % | 1 | BFK0399 | 11/15/22 | 11/15/22 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.153 | 0.0100 | mmhos/cm | 1 | BFK0470 | 11/17/22 | 11/17/22 | EPA 120.1 | |

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

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.48 | | pH Units | 1 | BFK0469 | 11/17/22 | 11/17/22 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Maggie TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/22/22 14:40

SEP01@3.0'
2211248-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BFK0385 | 11/15/22 | 11/16/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 79.3 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 106 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 104 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFK0387 | 11/15/22 | 11/16/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | | 89.6 % | 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 - Maggie TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/22/22 14:40

SEP01@3.0'
2211248-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BFK0481 | 11/18/22 | 11/18/22 | EPA 8270D SIM | |
| Anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Chrysene | ND | 0.00500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 73.6 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 55.2 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.138 | 0.0100 | mg/L | 1 | BFK0467 | 11/17/22 | 11/18/22 | EPA 6020B | |

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

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | 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 - Maggie TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/22/22 14:40

SEP01@3.0'
2211248-04 (Soil)

Summit Scientific

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

| | | | | | | | | |
|-----------|------|--------|----------|---|---------|----------|----------|-----------|
| Calcium | 467 | 0.0529 | mg/L dry | 1 | BFK0446 | 11/16/22 | 11/18/22 | EPA 6020B |
| Magnesium | 66.3 | 0.0529 | " | " | " | " | " | " |
| Sodium | 2.94 | 0.0529 | " | " | " | " | " | " |

Calculated Analysis

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.0337 | 0.00100 | units | 1 | BFK0500 | 11/18/22 | 11/18/22 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 94.5 | | % | 1 | BFK0399 | 11/15/22 | 11/15/22 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.157 | 0.0100 | mmhos/cm | 1 | BFK0470 | 11/17/22 | 11/17/22 | EPA 120.1 | |

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

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.57 | | pH Units | 1 | BFK0469 | 11/17/22 | 11/17/22 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Maggie TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/22/22 14:40

BKG01@6.0"
2211248-05 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Boron | 0.104 | 0.0100 | mg/L | 1 | BFK0467 | 11/17/22 | 11/18/22 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------|---------------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Arsenic | 1.58 | 0.214 | mg/kg dry | 1 | BFK0395 | 11/15/22 | 11/15/22 | EPA 6020B | |
| Barium | 49.8 | 0.427 | " | " | " | " | " | " | |
| Cadmium | ND | 0.214 | " | " | " | " | " | " | |
| Copper | 5.00 | 0.427 | " | " | " | " | " | " | |
| Lead | 5.79 | 0.214 | " | " | " | " | " | " | |
| Nickel | 3.75 | 0.427 | " | " | " | " | " | " | |
| Selenium | ND | 0.278 | " | " | " | " | " | " | |
| Silver | 0.0333 | 0.0214 | " | " | " | " | " | " | |
| Zinc | 18.5 | 0.427 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BFK0473 | 11/17/22 | 11/18/22 | EPA 7196A | |

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

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------|-------------|-----------|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Calcium | 35.3 | 0.0534 | mg/L dry | 1 | BFK0446 | 11/16/22 | 11/18/22 | EPA 6020B | |
| Magnesium | 12.0 | 0.0534 | " | " | " | " | " | " | |
| Sodium | 8.17 | 0.0534 | " | " | " | " | " | " | |

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 - Maggie TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/22/22 14:40

BKG01@6.0"
2211248-05 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------------|--------------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.303 | 0.00100 | units | 1 | BFK0500 | 11/18/22 | 11/18/22 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|-------------|--------------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 93.6 | | % | 1 | BFK0399 | 11/15/22 | 11/15/22 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------------|--------------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.391 | 0.0100 | mmhos/cm | 1 | BFK0470 | 11/17/22 | 11/17/22 | EPA 120.1 | |

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

Date Sampled: **11/14/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|-------------|--------------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.03 | | pH Units | 1 | BFK0469 | 11/17/22 | 11/17/22 | EPA 9045D | |

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Maggie TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/22/22 14:40

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BFK0385 - EPA 5030 Soil MS

Blank (BFK0385-BLK1)

Prepared: 11/15/22 Analyzed: 11/16/22

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Benzene | ND | 0.0020 | mg/kg | | | | | | | |
| Toluene | ND | 0.0050 | " | | | | | | | |
| Ethylbenzene | ND | 0.0050 | " | | | | | | | |
| Xylenes (total) | ND | 0.010 | " | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | | | | | | | |
| Naphthalene | ND | 0.0038 | " | | | | | | | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0303 | | " | 0.0400 | | 75.8 | 50-150 | | | |
| Surrogate: Toluene-d8 | 0.0417 | | " | 0.0400 | | 104 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0397 | | " | 0.0400 | | 99.2 | 50-150 | | | |

LCS (BFK0385-BS1)

Prepared: 11/15/22 Analyzed: 11/16/22

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Benzene | 0.0642 | 0.0020 | mg/kg | 0.0750 | | 85.6 | 70-130 | | | |
| Toluene | 0.0639 | 0.0050 | " | 0.0750 | | 85.2 | 70-130 | | | |
| Ethylbenzene | 0.0706 | 0.0050 | " | 0.0750 | | 94.1 | 70-130 | | | |
| m,p-Xylene | 0.148 | 0.010 | " | 0.150 | | 98.7 | 70-130 | | | |
| o-Xylene | 0.0752 | 0.0050 | " | 0.0750 | | 100 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.0820 | 0.0050 | " | 0.0750 | | 109 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0821 | 0.0050 | " | 0.0750 | | 109 | 70-130 | | | |
| Naphthalene | 0.0948 | 0.0038 | " | 0.0750 | | 126 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0272 | | " | 0.0400 | | 68.0 | 50-150 | | | |
| Surrogate: Toluene-d8 | 0.0426 | | " | 0.0400 | | 106 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0382 | | " | 0.0400 | | 95.4 | 50-150 | | | |

Matrix Spike (BFK0385-MS1)

Source: 2211244-01

Prepared: 11/15/22 Analyzed: 11/16/22

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|----|------|--------|--|--|--|
| Benzene | 0.0686 | 0.0020 | mg/kg | 0.0750 | ND | 91.5 | 70-130 | | | |
| Toluene | 0.0688 | 0.0050 | " | 0.0750 | ND | 91.8 | 70-130 | | | |
| Ethylbenzene | 0.0723 | 0.0050 | " | 0.0750 | ND | 96.4 | 70-130 | | | |
| m,p-Xylene | 0.153 | 0.010 | " | 0.150 | ND | 102 | 70-130 | | | |
| o-Xylene | 0.0792 | 0.0050 | " | 0.0750 | ND | 106 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.0864 | 0.0050 | " | 0.0750 | ND | 115 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0848 | 0.0050 | " | 0.0750 | ND | 113 | 70-130 | | | |
| Naphthalene | 0.0860 | 0.0038 | " | 0.0750 | ND | 115 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0274 | | " | 0.0400 | | 68.4 | 50-150 | | | |
| Surrogate: Toluene-d8 | 0.0429 | | " | 0.0400 | | 107 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0391 | | " | 0.0400 | | 97.6 | 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 - Maggie TB
Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/22/22 14:40

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 BFK0385 - EPA 5030 Soil MS

| Matrix Spike Dup (BFK0385-MSD1) | | Source: 2211244-01 | | | Prepared: 11/15/22 Analyzed: 11/16/22 | | | | | |
|----------------------------------|--------|--------------------|-------|--------|---------------------------------------|------|--------|-------|----|--|
| Benzene | 0.0694 | 0.0020 | mg/kg | 0.0750 | ND | 92.5 | 70-130 | 1.13 | 30 | |
| Toluene | 0.0700 | 0.0050 | " | 0.0750 | ND | 93.3 | 70-130 | 1.64 | 30 | |
| Ethylbenzene | 0.0718 | 0.0050 | " | 0.0750 | ND | 95.7 | 70-130 | 0.791 | 30 | |
| m,p-Xylene | 0.154 | 0.010 | " | 0.150 | ND | 103 | 70-130 | 0.683 | 30 | |
| o-Xylene | 0.0784 | 0.0050 | " | 0.0750 | ND | 104 | 70-130 | 1.07 | 30 | |
| 1,2,4-Trimethylbenzene | 0.0854 | 0.0050 | " | 0.0750 | ND | 114 | 70-130 | 1.26 | 30 | |
| 1,3,5-Trimethylbenzene | 0.0835 | 0.0050 | " | 0.0750 | ND | 111 | 70-130 | 1.46 | 30 | |
| Naphthalene | 0.0925 | 0.0038 | " | 0.0750 | ND | 123 | 70-130 | 7.19 | 30 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 0.0297 | " | 0.0400 | | 74.2 | 50-150 | | | |
| Surrogate: Toluene-d8 | | 0.0430 | " | 0.0400 | | 108 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | | 0.0390 | " | 0.0400 | | 97.6 | 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 - Maggie TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/22/22 14:40

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BFK0387 - EPA 3550A

Blank (BFK0387-BLK1)

Prepared & Analyzed: 11/15/22

| | | | | | | | | | | |
|------------------------|------|----|-------|------|--|------|--------|--|--|--|
| C10-C28 (DRO) | ND | 50 | mg/kg | | | | | | | |
| C28-C36 (ORO) | ND | 50 | " | | | | | | | |
| Surrogate: o-Terphenyl | 11.9 | | " | 12.5 | | 95.6 | 30-150 | | | |

LCS (BFK0387-BS1)

Prepared & Analyzed: 11/15/22

| | | | | | | | | | | |
|------------------------|------|----|-------|------|--|------|--------|--|--|--|
| C10-C28 (DRO) | 396 | 50 | mg/kg | 500 | | 79.1 | 70-130 | | | |
| Surrogate: o-Terphenyl | 12.0 | | " | 12.5 | | 96.0 | 30-150 | | | |

Matrix Spike (BFK0387-MS1)

Source: 2211244-01

Prepared & Analyzed: 11/15/22

| | | | | | | | | | | |
|------------------------|------|----|-------|------|------|------|--------|--|--|--|
| C10-C28 (DRO) | 394 | 50 | mg/kg | 500 | 29.7 | 72.9 | 70-130 | | | |
| Surrogate: o-Terphenyl | 11.1 | | " | 12.5 | | 88.7 | 30-150 | | | |

Matrix Spike Dup (BFK0387-MSD1)

Source: 2211244-01

Prepared & Analyzed: 11/15/22

| | | | | | | | | | | |
|------------------------|------|----|-------|------|------|------|--------|------|----|--|
| C10-C28 (DRO) | 470 | 50 | mg/kg | 500 | 29.7 | 88.0 | 70-130 | 17.5 | 20 | |
| Surrogate: o-Terphenyl | 10.8 | | " | 12.5 | | 86.6 | 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 - Maggie TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/22/22 14:40

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BFK0481 - EPA 5030 Soil MS

Blank (BFK0481-BLK1)

Prepared & Analyzed: 11/18/22

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|--|------|--------|--|--|--|
| Acenaphthene | ND | 0.00500 | mg/kg | | | | | | | |
| Anthracene | ND | 0.00500 | " | | | | | | | |
| Benzo (a) anthracene | ND | 0.00500 | " | | | | | | | |
| Benzo (a) pyrene | ND | 0.00500 | " | | | | | | | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | | | | | | | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | | | | | | | |
| Chrysene | ND | 0.00500 | " | | | | | | | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | | | | | | | |
| Fluoranthene | ND | 0.00500 | " | | | | | | | |
| Fluorene | ND | 0.00500 | " | | | | | | | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | | | | | | | |
| Pyrene | ND | 0.00500 | " | | | | | | | |
| 1-Methylnaphthalene | ND | 0.00500 | " | | | | | | | |
| 2-Methylnaphthalene | ND | 0.00500 | " | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0380 | | " | 0.0333 | | 114 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0278 | | " | 0.0333 | | 83.4 | 40-150 | | | |

LCS (BFK0481-BS1)

Prepared & Analyzed: 11/18/22

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|--|------|--------|--|--|--|
| Acenaphthene | 0.0394 | 0.00500 | mg/kg | 0.0333 | | 118 | 31-137 | | | |
| Anthracene | 0.0362 | 0.00500 | " | 0.0333 | | 109 | 30-120 | | | |
| Benzo (a) anthracene | 0.0292 | 0.00500 | " | 0.0333 | | 87.6 | 30-120 | | | |
| Benzo (a) pyrene | 0.0310 | 0.00500 | " | 0.0333 | | 92.9 | 30-120 | | | |
| Benzo (b) fluoranthene | 0.0342 | 0.00500 | " | 0.0333 | | 103 | 30-120 | | | |
| Benzo (k) fluoranthene | 0.0357 | 0.00500 | " | 0.0333 | | 107 | 30-120 | | | |
| Chrysene | 0.0321 | 0.00500 | " | 0.0333 | | 96.4 | 30-120 | | | |
| Dibenz (a,h) anthracene | 0.0286 | 0.00500 | " | 0.0333 | | 85.8 | 30-120 | | | |
| Fluoranthene | 0.0362 | 0.00500 | " | 0.0333 | | 109 | 30-120 | | | |
| Fluorene | 0.0342 | 0.00500 | " | 0.0333 | | 102 | 30-120 | | | |
| Indeno (1,2,3-cd) pyrene | 0.0242 | 0.00500 | " | 0.0333 | | 72.7 | 30-120 | | | |
| Pyrene | 0.0316 | 0.00500 | " | 0.0333 | | 94.8 | 35-142 | | | |
| 1-Methylnaphthalene | 0.0296 | 0.00500 | " | 0.0333 | | 88.9 | 35-142 | | | |
| 2-Methylnaphthalene | 0.0307 | 0.00500 | " | 0.0333 | | 92.1 | 35-142 | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0322 | | " | 0.0333 | | 96.6 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0367 | | " | 0.0333 | | 110 | 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 - Maggie TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/22/22 14:40

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BFK0481 - EPA 5030 Soil MS

Matrix Spike (BFK0481-MS1)

Source: 2211248-01

Prepared & Analyzed: 11/18/22

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|---------|------|--------|--|--|--|
| Acenaphthene | 0.0271 | 0.00500 | mg/kg | 0.0333 | ND | 81.4 | 31-137 | | | |
| Anthracene | 0.0229 | 0.00500 | " | 0.0333 | ND | 68.8 | 30-120 | | | |
| Benzo (a) anthracene | 0.0209 | 0.00500 | " | 0.0333 | ND | 62.8 | 30-120 | | | |
| Benzo (a) pyrene | 0.0205 | 0.00500 | " | 0.0333 | 0.00208 | 55.3 | 30-120 | | | |
| Benzo (b) fluoranthene | 0.0227 | 0.00500 | " | 0.0333 | ND | 68.0 | 30-120 | | | |
| Benzo (k) fluoranthene | 0.0228 | 0.00500 | " | 0.0333 | ND | 68.4 | 30-120 | | | |
| Chrysene | 0.0225 | 0.00500 | " | 0.0333 | ND | 67.6 | 30-120 | | | |
| Dibenz (a,h) anthracene | 0.0195 | 0.00500 | " | 0.0333 | ND | 58.6 | 30-120 | | | |
| Fluoranthene | 0.0237 | 0.00500 | " | 0.0333 | ND | 71.0 | 30-120 | | | |
| Fluorene | 0.0232 | 0.00500 | " | 0.0333 | ND | 69.6 | 30-120 | | | |
| Indeno (1,2,3-cd) pyrene | 0.0173 | 0.00500 | " | 0.0333 | ND | 51.9 | 30-120 | | | |
| Pyrene | 0.0209 | 0.00500 | " | 0.0333 | ND | 62.7 | 35-142 | | | |
| 1-Methylnaphthalene | 0.0215 | 0.00500 | " | 0.0333 | ND | 64.4 | 15-130 | | | |
| 2-Methylnaphthalene | 0.0228 | 0.00500 | " | 0.0333 | ND | 68.4 | 15-130 | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0221 | | " | 0.0333 | | 66.3 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0217 | | " | 0.0333 | | 65.0 | 40-150 | | | |

Matrix Spike Dup (BFK0481-MSD1)

Source: 2211248-01

Prepared & Analyzed: 11/18/22

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|---------|------|--------|-------|----|--|
| Acenaphthene | 0.0267 | 0.00500 | mg/kg | 0.0333 | ND | 80.2 | 31-137 | 1.53 | 30 | |
| Anthracene | 0.0219 | 0.00500 | " | 0.0333 | ND | 65.8 | 30-120 | 4.53 | 30 | |
| Benzo (a) anthracene | 0.0207 | 0.00500 | " | 0.0333 | ND | 62.0 | 30-120 | 1.28 | 30 | |
| Benzo (a) pyrene | 0.0201 | 0.00500 | " | 0.0333 | 0.00208 | 54.1 | 30-120 | 1.91 | 30 | |
| Benzo (b) fluoranthene | 0.0220 | 0.00500 | " | 0.0333 | ND | 66.1 | 30-120 | 2.77 | 30 | |
| Benzo (k) fluoranthene | 0.0212 | 0.00500 | " | 0.0333 | ND | 63.7 | 30-120 | 7.06 | 30 | |
| Chrysene | 0.0210 | 0.00500 | " | 0.0333 | ND | 63.1 | 30-120 | 6.99 | 30 | |
| Dibenz (a,h) anthracene | 0.0193 | 0.00500 | " | 0.0333 | ND | 57.9 | 30-120 | 1.24 | 30 | |
| Fluoranthene | 0.0225 | 0.00500 | " | 0.0333 | ND | 67.4 | 30-120 | 5.30 | 30 | |
| Fluorene | 0.0224 | 0.00500 | " | 0.0333 | ND | 67.3 | 30-120 | 3.30 | 30 | |
| Indeno (1,2,3-cd) pyrene | 0.0175 | 0.00500 | " | 0.0333 | ND | 52.4 | 30-120 | 0.840 | 30 | |
| Pyrene | 0.0204 | 0.00500 | " | 0.0333 | ND | 61.3 | 35-142 | 2.18 | 30 | |
| 1-Methylnaphthalene | 0.0215 | 0.00500 | " | 0.0333 | ND | 64.6 | 15-130 | 0.332 | 50 | |
| 2-Methylnaphthalene | 0.0221 | 0.00500 | " | 0.0333 | ND | 66.3 | 15-130 | 3.01 | 50 | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0205 | | " | 0.0333 | | 61.4 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0210 | | " | 0.0333 | | 63.0 | 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 - Maggie TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/22/22 14:40

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

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

Batch BFK0467 - EPA 3050B

Blank (BFK0467-BLK1)

Prepared: 11/17/22 Analyzed: 11/18/22

Boron ND 0.0100 mg/L

LCS (BFK0467-BS1)

Prepared: 11/17/22 Analyzed: 11/18/22

Boron 5.29 0.0100 mg/L 5.00 106 80-120

Duplicate (BFK0467-DUP1)

Source: 2211248-01

Prepared: 11/17/22 Analyzed: 11/18/22

Boron 0.275 0.0100 mg/L 0.249 9.57 20

Matrix Spike (BFK0467-MS1)

Source: 2211248-01

Prepared: 11/17/22 Analyzed: 11/18/22

Boron 5.75 0.0100 mg/L 5.00 0.249 110 75-125

Matrix Spike Dup (BFK0467-MSD1)

Source: 2211248-01

Prepared: 11/17/22 Analyzed: 11/18/22

Boron 6.38 0.0100 mg/L 5.00 0.249 123 75-125 10.5 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 - Maggie TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/22/22 14:40

Total Metals by EPA 6020B - Quality Control

Summit Scientific

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

Batch BFK0395 - EPA 3050B

Blank (BFK0395-BLK1)

Prepared & Analyzed: 11/15/22

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

LCS (BFK0395-BS1)

Prepared & Analyzed: 11/15/22

| | | | | | | |
|----------|------|--------|-----------|------|------|--------|
| Arsenic | 40.1 | 0.200 | mg/kg wet | 40.0 | 100 | 80-120 |
| Barium | 34.8 | 0.400 | " | 40.0 | 87.0 | 80-120 |
| Cadmium | 1.97 | 0.200 | " | 2.00 | 98.3 | 80-120 |
| Copper | 44.3 | 0.400 | " | 40.0 | 111 | 80-120 |
| Lead | 19.3 | 0.200 | " | 20.0 | 96.4 | 80-120 |
| Nickel | 42.2 | 0.400 | " | 40.0 | 106 | 80-120 |
| Selenium | 4.25 | 0.260 | " | 4.00 | 106 | 80-120 |
| Silver | 1.64 | 0.0200 | " | 2.00 | 81.9 | 80-120 |
| Zinc | 43.7 | 0.400 | " | 40.0 | 109 | 80-120 |

Duplicate (BFK0395-DUP1)

Source: 2211244-01

Prepared & Analyzed: 11/15/22

| | | | | | | |
|----------|--------|--------|-----------|--------|------|----|
| Arsenic | 2.61 | 0.243 | mg/kg dry | 2.61 | 0.00 | 20 |
| Barium | 32.8 | 0.486 | " | 36.0 | 9.13 | 20 |
| Cadmium | 0.0836 | 0.243 | " | 0.0894 | 6.74 | 20 |
| Copper | 4.77 | 0.486 | " | 4.65 | 2.69 | 20 |
| Lead | 4.75 | 0.243 | " | 5.32 | 11.3 | 20 |
| Nickel | 5.05 | 0.486 | " | 4.97 | 1.55 | 20 |
| Selenium | ND | 0.316 | " | ND | | 20 |
| Silver | 0.0243 | 0.0243 | " | 0.0253 | 3.92 | 20 |
| Zinc | 19.5 | 0.486 | " | 19.0 | 2.63 | 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 - Maggie TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/22/22 14:40

Total Metals by EPA 6020B - Quality Control

Summit Scientific

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

Batch BFK0395 - EPA 3050B

| Matrix Spike (BFK0395-MS1) | Source: 2211244-01 | | | Prepared & Analyzed: 11/15/22 | | | | | | |
|----------------------------|--------------------|--------|-----------|-------------------------------|--------|------|--------|--|--|-------|
| Arsenic | 48.8 | 0.243 | mg/kg dry | 48.6 | 2.61 | 95.0 | 75-125 | | | |
| Barium | 97.6 | 0.486 | " | 48.6 | 36.0 | 127 | 75-125 | | | QM-05 |
| Cadmium | 1.96 | 0.243 | " | 2.43 | 0.0894 | 76.9 | 75-125 | | | |
| Copper | 38.6 | 0.486 | " | 48.6 | 4.65 | 69.8 | 75-125 | | | QM-05 |
| Lead | 22.7 | 0.243 | " | 24.3 | 5.32 | 71.5 | 75-125 | | | QM-05 |
| Nickel | 38.5 | 0.486 | " | 48.6 | 4.97 | 69.0 | 75-125 | | | QM-05 |
| Selenium | 4.28 | 0.316 | " | 4.86 | ND | 88.1 | 75-125 | | | |
| Silver | 1.91 | 0.0243 | " | 2.43 | 0.0253 | 77.7 | 75-125 | | | |
| Zinc | 56.5 | 0.486 | " | 48.6 | 19.0 | 77.3 | 75-125 | | | |

| Matrix Spike Dup (BFK0395-MSD1) | Source: 2211244-01 | | | Prepared & Analyzed: 11/15/22 | | | | | | |
|---------------------------------|--------------------|--------|-----------|-------------------------------|--------|------|--------|------|----|-------|
| Arsenic | 45.9 | 0.243 | mg/kg dry | 48.6 | 2.61 | 89.1 | 75-125 | 6.09 | 25 | |
| Barium | 106 | 0.486 | " | 48.6 | 36.0 | 144 | 75-125 | 8.08 | 25 | QM-05 |
| Cadmium | 2.10 | 0.243 | " | 2.43 | 0.0894 | 83.0 | 75-125 | 7.27 | 25 | |
| Copper | 37.4 | 0.486 | " | 48.6 | 4.65 | 67.5 | 75-125 | 3.02 | 25 | QM-05 |
| Lead | 24.5 | 0.243 | " | 24.3 | 5.32 | 79.1 | 75-125 | 7.83 | 25 | |
| Nickel | 37.6 | 0.486 | " | 48.6 | 4.97 | 67.2 | 75-125 | 2.38 | 25 | QM-05 |
| Selenium | 4.07 | 0.316 | " | 4.86 | ND | 83.8 | 75-125 | 4.97 | 25 | |
| Silver | 2.03 | 0.0243 | " | 2.43 | 0.0253 | 82.6 | 75-125 | 6.06 | 25 | |
| Zinc | 53.6 | 0.486 | " | 48.6 | 19.0 | 71.2 | 75-125 | 5.36 | 25 | QM-05 |

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 - Maggie TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/22/22 14:40

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

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

Batch BFK0473 - 3060A Mod

Blank (BFK0473-BLK1)

Prepared: 11/17/22 Analyzed: 11/18/22

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BFK0473-BS1)

Prepared: 11/17/22 Analyzed: 11/18/22

Chromium, Hexavalent 25.0 0.30 mg/kg wet 25.0 100 80-120

Duplicate (BFK0473-DUP1)

Source: 2211144-02

Prepared: 11/17/22 Analyzed: 11/18/22

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BFK0473-MS1)

Source: 2211144-02

Prepared: 11/17/22 Analyzed: 11/18/22

Chromium, Hexavalent 27.4 0.30 mg/kg dry 26.1 ND 105 75-125

Matrix Spike Dup (BFK0473-MSD1)

Source: 2211144-02

Prepared: 11/17/22 Analyzed: 11/18/22

Chromium, Hexavalent 26.5 0.30 mg/kg dry 26.1 ND 101 75-125 3.30 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 - Maggie TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/22/22 14:40

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

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

Batch BFK0446 - General Preparation

Blank (BFK0446-BLK1)

Prepared: 11/16/22 Analyzed: 11/18/22

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

LCS (BFK0446-BS1)

Prepared: 11/16/22 Analyzed: 11/18/22

| | | | | | | |
|-----------|------|--------|----------|------|------|--------|
| Calcium | 5.38 | 0.0500 | mg/L wet | 5.00 | 108 | 70-130 |
| Magnesium | 4.92 | 0.0500 | " | 5.00 | 98.4 | 70-130 |
| Sodium | 4.80 | 0.0500 | " | 5.00 | 96.0 | 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 - Maggie TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/22/22 14:40

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

Summit Scientific

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

Batch BFK0399 - General Preparation

Duplicate (BFK0399-DUP1)

Source: 2211244-01

Prepared & Analyzed: 11/15/22

| | | | | | |
|----------|------|---|------|------|----|
| % Solids | 83.2 | % | 82.3 | 1.10 | 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 - Maggie TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/22/22 14:40

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

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

Batch BFK0470 - General Preparation

Blank (BFK0470-BLK1)

Prepared & Analyzed: 11/17/22

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BFK0470-BS1)

Prepared & Analyzed: 11/17/22

Specific Conductance (EC) 0.158 0.0100 mmhos/cm 0.150 105 95-105

Duplicate (BFK0470-DUP1)

Source: 2211235-01

Prepared & Analyzed: 11/17/22

Specific Conductance (EC) 11.7 0.0100 mmhos/cm 11.5 1.55 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 - Maggie TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/22/22 14:40

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

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

Batch BFK0469 - General Preparation

LCS (BFK0469-BS1)

Prepared & Analyzed: 11/17/22

| | | | | | |
|----|------|----------|------|------|--------|
| pH | 9.16 | pH Units | 9.18 | 99.8 | 95-105 |
|----|------|----------|------|------|--------|

Duplicate (BFK0469-DUP1)

Source: 2211235-01

Prepared & Analyzed: 11/17/22

| | | | | | |
|----|------|----------|------|------|----|
| pH | 7.15 | pH Units | 7.15 | 0.00 | 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 - Maggie TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/22/22 14:40

Notes and Definitions

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The associated LCS and/or LCSD were within acceptance limits, therefore the data are considered valid.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference