

TABLE 1
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
NOBLE ENERGY INC.
20-4N-64W SESE BALBOA HANSCOME TB LOC, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C023-091

| 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** | | |
| AST E Cen Surf | 03/22/2023 | Surface | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.50 | <50 | <50 |
| AST Mid Cen Surf | 03/22/2023 | Surface | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.50 | <50 | <50 |
| AST W Cen Surf | 03/22/2023 | Surface | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.50 | <50 | <50 |
| DL Trench E 2 Ft | 03/22/2023 | 2 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.50 | <50 | <50 |
| DL Trench W 2 Ft | 03/22/2023 | 2 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.50 | <50 | <50 |
| PWV Cen Floor 2 Ft | 03/22/2023 | 2 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.50 | <50 | <50 |
| PWV E Floor 2 Ft | 03/22/2023 | 2 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.50 | <50 | <50 |
| Sep Riser Mid 2 Ft | 03/22/2023 | 2 | <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)

* Indicates laboratory minimum detection limit in excess of 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.
20-4N-64W SESE BALBOA HANSCOME TB LOC, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C023-091

| 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 |
| AST E Cen Surf | 03/22/2023 | Surface | <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 |
| AST Mid Cen Surf | 03/22/2023 | Surface | <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 |
| AST W Cen Surf | 03/22/2023 | Surface | <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 |
| DL Trench E 2 Ft | 03/22/2023 | 2 | <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 |
| DL Trench W 2 Ft | 03/22/2023 | 2 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 |
| PWV Cen Floor 2 Ft | 03/22/2023 | 2 | 0.00797 | 0.0077 | 0.012 | <0.00500 | 0.00808 | <0.00500 | 0.00928 | <0.00500 | 0.0219 | 0.00785 | <0.00500 | 0.0198 | <0.00500 | <0.00500 |
| PWV E Floor 2 Ft | 03/22/2023 | 2 | <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 |
| Sep Riser Mid 2 Ft | 03/22/2023 | 2 | 0.0444 | 0.101 | 0.0818 | 0.0549 | 0.0736 | 0.0306 | 0.0866 | <0.00500 | 0.183 | 0.0731 | 0.0442 | 0.143 | <0.00500 | 0.0127 |

Bold faced values exceed the COGCC 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

TABLE 3
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE ENERGY INC.
20-4N-64W SESE BALBOA HANSCOME TB LOC, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C023-091

| 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 |
| BKG 2 2 Ft | 03/22/2023 | 2 | 6.08 | 0.25 | 0.111 | 0.21 |
| BKG 3 2 Ft | 03/22/2023 | 2 | 7.93 | 0.282 | 0.177 | 0.213 |
| BKG 5 2 Ft | 03/22/2023 | 2 | 7.68 | 0.537 | 0.792 | 0.143 |
| AST E Cen Surf | 03/22/2023 | Surface | 7.83 | 0.225 | 0.113 | 0.0812 |
| AST Mid Cen Surf | 03/22/2023 | Surface | 7.98 | 0.194 | 0.131 | 0.125 |
| AST W Cen Surf | 03/22/2023 | Surface | 7.93 | 0.213 | 0.118 | 0.106 |
| DL Trench E 2 Ft | 03/22/2023 | 2 | 7.57 | 0.578 | 0.681 | 0.125 |
| DL Trench W 2 Ft | 03/22/2023 | 2 | 7.48 | 0.547 | 0.369 | 0.124 |
| PWV Cen Floor 2 Ft | 03/22/2023 | 2 | 7.87 | 0.444 | 0.696 | 0.13 |
| PWV E Floor 2 Ft | 03/22/2023 | 2 | 7.83 | 0.351 | 0.739 | 0.218 |
| Sep Riser Mid 2 Ft | 03/22/2023 | 2 | 7.67 | 0.186 | 0.235 | 0.0571 |

Bold faced values exceed the COGCC Table 915-1 concentrations

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

This topographic map depicts a rural landscape with brown contour lines indicating elevation. A network of roads is shown, with a prominent horizontal road intersecting a vertical road. A blue 'X' marks a specific location near a benchmark labeled 'BM 4771'. The map is divided into sections, with numbers 20, 21, 28, and 29 visible. A canal is shown in the bottom left corner, and a ditch is labeled in the top right. A scale bar at the bottom left indicates a scale of 1 inch = 1200 feet, and a north arrow points towards the top of the map.

20-4N-64W SESE Balboa TB Loc

API #/Facility #: 481074

Legal Description: SESE Sec. 20, T4N, R64W

Latitude/Longitude: 40.291009, -104.567072 (PWV)

Remediation # 25550

Fremont No. C023-091

Sep. Riser Mid 2 Ft 0

Impacted Locations

Cen. Floor 2 Ft

Google Earth

100 ft



Photo Log



Description:

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

Photo Log



Description:

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

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

April 18, 2023

Paul Henchan

Fremont Environmental

PO Box 1289

Wellington, CO 80549

RE: Noble - Hanscome Balboa Tank Battery

Work Order #2303771

Enclosed are the results of analyses for samples received by Summit Scientific on 03/31/23 16:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Scott Sheely".

Scott Sheely For Paul Shrewsbury
President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henehan

Reported:
04/18/23 11:16

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|--------------------|---------------|--------|----------------|----------------|
| AST E Cen Surf | 2303771-01 | Soil | 03/22/23 00:00 | 03/31/23 16:45 |
| AST Mid Cen Surf | 2303771-02 | Soil | 03/22/23 00:00 | 03/31/23 16:45 |
| AST W Cen Surf | 2303771-03 | Soil | 03/22/23 00:00 | 03/31/23 16:45 |
| PWV E Floor 2 Ft | 2303771-04 | Soil | 03/22/23 00:00 | 03/31/23 16:45 |
| PWV Cen Floor 2 Ft | 2303771-05 | Soil | 03/22/23 00:00 | 03/31/23 16:45 |
| PWV E Floor 2 Ft | 2303771-06 | Soil | 03/22/23 00:00 | 03/31/23 16:45 |
| DL Trench E 2 Ft | 2303771-07 | Soil | 03/22/23 00:00 | 03/31/23 16:45 |
| DL Trench W 2 Ft | 2303771-08 | Soil | 03/22/23 00:00 | 03/31/23 16:45 |
| BKG 2 2 Ft | 2303771-09 | Soil | 03/22/23 00:00 | 03/31/23 16:45 |
| BKG 3 2 Ft | 2303771-10 | Soil | 03/22/23 00:00 | 03/31/23 16:45 |
| Sep Riser Mid 2 Ft | 2303771-11 | Soil | 03/22/23 00:00 | 03/31/23 16:45 |
| BKG 5 2 Ft | 2303771-12 | Soil | 03/22/23 00:00 | 03/31/23 16:45 |

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

S₂

2303771

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

Page 1 of 1

Client: Fremont Environmental

Project Manager: Paul Henehan

Address:

E-Mail: Fremont Distribution List: PaulH, EthanB, JeffG and ChrisL. @fremontenv.com

City/State/Zip:

Bill to : Don

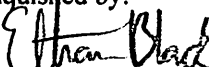

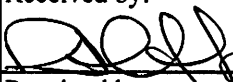
Phone:

Project Name: Noble - Hanscom Balboa Tank Battery

Sampler Name: EB

Project Number:

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | | | Analysis Requested | | | | | | | | Special Instructions | |
|----|--------------------|--------------|--------------|-----------------|--------------|------------------|------|-------|--------|------|----------------|-------|--------------------|-----|-----------|--------------------|--------------|------------------------|------|--|----------------------|--|
| | | | | | HCl | HNO ₃ | None | Other | Water | Soil | Air-Canister # | Other | BTEX, TMBs, Naph. | TPH | PAH (915) | EC, SAR, pH, Boron | Metals (915) | TDS, Chloride, Sulfate | HOLD | | | |
| 1 | AST E CEN SURF | 3/22/23 | | 2 | | | X | | | X | | | | X | X | X | | | | | | |
| 2 | AST MID CEN SURF | | | | | | | | | | | | | | | | | | | | | |
| 3 | AST W CEN. SURF | | | | | | | | | | | | | | | | | | | | | |
| 4 | PWV E FLOOR 2FT | | | | | | | | | | | | | | | | | | | | | |
| 5 | PWV CEN. FLOOR 2FT | | | | | | | | | | | | | | | | | | | | | |
| 6 | PWV E FLOOR 2FT | | | | | | | | | | | | | | | | | | | | | |
| 7 | DL TRENCH E 2FT | | | | | | | | | | | | | | | | | | | | | |
| 8 | DL TRENCH W 2FT | | | | | | | | | | | | | | | | | | | | | |
| 9 | BKG 2 2FT | | | | | | | | | | | | | | | | | | | | | |
| 10 | BKG 3 2FT | | | | | | | | | | | | | | | | | | | | | |

| | | | | | |
|--|-------------------------|--|-------------------------|---|--------|
| Relinquished by:  | Date/Time: 3/31/23 1350 | Received by:  | Date/Time: 3/31/23 1350 | Turn Around Time (Check) Same Day <input type="checkbox"/> 72 hours <input checked="" type="checkbox"/> 24 hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> 48 hours <input type="checkbox"/> Sample Integrity: Temperature Upon Receipt: 10.1 Samples Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Notes: |
| Relinquished by: S2 | Date/Time: 3/31/23 1645 | Received by:  | Date/Time: 3/31/23 1645 | | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | | |

S₂

Sample Receipt Checklist

S2 Work Order#

2303771

Client: Fremont

Client Project ID:

Noble - Hanscome Balboa

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"/> | W/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 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.

Custodian Printed Name

Date/Time

AR

3/23/23



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

AST E Cen Surf
2303771-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BGD0061 | 04/03/23 | 04/05/23 | 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: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0410 | 102 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0396 | 99.0 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.0408 | 102 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BGD0062 | 04/03/23 | 04/05/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | 14.7 | 118 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

AST E Cen Surf
2303771-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BGD0080 | 04/04/23 | 04/05/23 | 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: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0245 | 73.5 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0246 | 73.9 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.0812 | 0.0100 | mg/L | 1 | BGD0097 | 04/04/23 | 04/08/23 | EPA 6020B | |

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

Date Sampled: **03/22/23 00:00**

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

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

AST E Cen Surf
2303771-01 (Soil)

Summit Scientific

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

| | | | | | | | | |
|-----------|------|--------|----------|---|---------|----------|----------|-----------|
| Calcium | 25.4 | 0.0521 | mg/L dry | 1 | BGD0099 | 04/04/23 | 04/08/23 | EPA 6020B |
| Magnesium | 6.96 | 0.0521 | " | " | " | " | " | " |
| Sodium | 2.49 | 0.0521 | " | " | " | " | " | " |

Calculated Analysis

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.113 | 0.00100 | units | 1 | BGD0250 | 04/08/23 | 04/08/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 95.9 | | % | 1 | BGD0093 | 04/04/23 | 04/06/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.225 | 0.0100 | mmhos/cm | 1 | BGD0121 | 04/05/23 | 04/05/23 | EPA 120.1 | |

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

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.83 | | pH Units | 1 | BGD0120 | 04/05/23 | 04/05/23 | 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 - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henehan

Reported:
04/18/23 11:16

AST Mid Cen Surf
2303771-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BGD0061 | 04/03/23 | 04/05/23 | 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: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0402 | 100 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0412 | 103 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.0410 | 102 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BGD0062 | 04/03/23 | 04/05/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | 14.0 | 112 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

AST Mid Cen Surf
2303771-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BGD0080 | 04/04/23 | 04/05/23 | 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: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0198 | 59.5 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0209 | 62.6 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.125 | 0.0100 | mg/L | 1 | BGD0097 | 04/04/23 | 04/08/23 | EPA 6020B | |

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

Date Sampled: **03/22/23 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 - Hanscome Balboa Tank Battery
Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

AST Mid Cen Surf
2303771-02 (Soil)

Summit Scientific

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

| | | | | | | | | |
|-----------|------|--------|----------|---|---------|----------|----------|-----------|
| Calcium | 23.4 | 0.0511 | mg/L dry | 1 | BGD0099 | 04/04/23 | 04/08/23 | EPA 6020B |
| Magnesium | 8.79 | 0.0511 | " | " | " | " | " | " |
| Sodium | 2.93 | 0.0511 | " | " | " | " | " | " |

Calculated Analysis

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.131 | 0.00100 | units | 1 | BGD0250 | 04/08/23 | 04/08/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 97.9 | | % | 1 | BGD0093 | 04/04/23 | 04/06/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.194 | 0.0100 | mmhos/cm | 1 | BGD0121 | 04/05/23 | 04/05/23 | EPA 120.1 | |

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

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.98 | | pH Units | 1 | BGD0120 | 04/05/23 | 04/05/23 | EPA 9045D | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henehan

Reported:
04/18/23 11:16

AST W Cen Surf
2303771-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BGD0061 | 04/03/23 | 04/05/23 | 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: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0378 | 94.6 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0411 | 103 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.0398 | 99.4 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BGD0062 | 04/03/23 | 04/05/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | 14.0 | 112 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

AST W Cen Surf
2303771-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BGD0080 | 04/04/23 | 04/05/23 | 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: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0192 | 57.7 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0167 | 50.2 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.106 | 0.0100 | mg/L | 1 | BGD0097 | 04/04/23 | 04/08/23 | EPA 6020B | |

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

Date Sampled: **03/22/23 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 - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

AST W Cen Surf
2303771-03 (Soil)

Summit Scientific

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

| | | | | | | | | |
|-----------|------|--------|----------|---|---------|----------|----------|-----------|
| Calcium | 21.2 | 0.0513 | mg/L dry | 1 | BGD0099 | 04/04/23 | 04/08/23 | EPA 6020B |
| Magnesium | 6.38 | 0.0513 | " | " | " | " | " | " |
| Sodium | 2.41 | 0.0513 | " | " | " | " | " | " |

Calculated Analysis

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.118 | 0.00100 | units | 1 | BGD0250 | 04/08/23 | 04/08/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 97.5 | | % | 1 | BGD0093 | 04/04/23 | 04/06/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.213 | 0.0100 | mmhos/cm | 1 | BGD0121 | 04/05/23 | 04/05/23 | EPA 120.1 | |

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

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.93 | | pH Units | 1 | BGD0120 | 04/05/23 | 04/05/23 | 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 - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henehan

Reported:
04/18/23 11:16

**PWV E Floor 2 Ft
2303771-04 (Soil)**

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BGD0061 | 04/03/23 | 04/05/23 | 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: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0373 | 93.3 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0400 | 100 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.0396 | 99.0 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BGD0062 | 04/03/23 | 04/05/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | 14.4 | 115 % | 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 - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

PWV E Floor 2 Ft
2303771-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BGD0080 | 04/04/23 | 04/05/23 | 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: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0161 | 48.2 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0150 | 45.1 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.218 | 0.0100 | mg/L | 1 | BGD0097 | 04/04/23 | 04/08/23 | EPA 6020B | |

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

Date Sampled: **03/22/23 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 - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

**PWV E Floor 2 Ft
2303771-04 (Soil)**

Summit Scientific

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

| | | | | | | | | |
|-----------|------|--------|----------|---|---------|----------|----------|-----------|
| Calcium | 28.8 | 0.0519 | mg/L dry | 1 | BGD0099 | 04/04/23 | 04/08/23 | EPA 6020B |
| Magnesium | 6.51 | 0.0519 | " | " | " | " | " | " |
| Sodium | 14.2 | 0.0519 | " | " | " | " | " | " |

Calculated Analysis

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.622 | 0.00100 | units | 1 | BGD0250 | 04/08/23 | 04/08/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 96.3 | | % | 1 | BGD0093 | 04/04/23 | 04/06/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.351 | 0.0100 | mmhos/cm | 1 | BGD0121 | 04/05/23 | 04/05/23 | EPA 120.1 | |

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

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.90 | | pH Units | 1 | BGD0120 | 04/05/23 | 04/05/23 | 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 - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

**PWV Cen Floor 2 Ft
2303771-05 (Soil)**

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BGD0061 | 04/03/23 | 04/05/23 | 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: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0377 | 94.3 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0399 | 99.8 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.0399 | 99.8 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BGD0062 | 04/03/23 | 04/05/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | 13.8 | 110 % | 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 - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

**PWV Cen Floor 2 Ft
2303771-05 (Soil)**

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|----------------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | 0.00797 | 0.00500 | mg/kg | 1 | BGD0080 | 04/04/23 | 04/05/23 | EPA 8270D SIM | |
| Anthracene | 0.00770 | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) anthracene | 0.0120 | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | 0.00808 | 0.00500 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Chrysene | 0.00928 | 0.00500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluoranthene | 0.0219 | 0.00500 | " | " | " | " | " | " | |
| Fluorene | 0.00785 | 0.00500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Pyrene | 0.0198 | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0181 | 54.3 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0188 | 56.5 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.130 | 0.0100 | mg/L | 1 | BGD0097 | 04/04/23 | 04/08/23 | EPA 6020B | |

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

Date Sampled: **03/22/23 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 - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

**PWV Cen Floor 2 Ft
2303771-05 (Soil)**

Summit Scientific

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

| | | | | | | | | |
|-----------|------|--------|----------|---|---------|----------|----------|-----------|
| Calcium | 36.8 | 0.0530 | mg/L dry | 1 | BGD0099 | 04/04/23 | 04/08/23 | EPA 6020B |
| Magnesium | 7.08 | 0.0530 | " | " | " | " | " | " |
| Sodium | 17.6 | 0.0530 | " | " | " | " | " | " |

Calculated Analysis

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.696 | 0.00100 | units | 1 | BGD0250 | 04/08/23 | 04/08/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 94.4 | | % | 1 | BGD0093 | 04/04/23 | 04/06/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.444 | 0.0100 | mmhos/cm | 1 | BGD0121 | 04/05/23 | 04/05/23 | EPA 120.1 | |

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

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.87 | | pH Units | 1 | BGD0120 | 04/05/23 | 04/05/23 | 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 - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henehan

Reported:
04/18/23 11:16

PWV E Floor 2 Ft
2303771-06 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BGD0061 | 04/03/23 | 04/05/23 | 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: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0359 | 89.8 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0399 | 99.8 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.0409 | 102 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BGD0062 | 04/03/23 | 04/05/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | 12.9 | 103 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

**PWV E Floor 2 Ft
2303771-06 (Soil)**

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BGD0080 | 04/04/23 | 04/05/23 | 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: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0196 | 58.8 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0213 | 63.8 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.0855 | 0.0100 | mg/L | 1 | BGD0097 | 04/04/23 | 04/08/23 | EPA 6020B | |

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

Date Sampled: **03/22/23 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 - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

**PWV E Floor 2 Ft
2303771-06 (Soil)**

Summit Scientific

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

| | | | | | | | | |
|-----------|------|--------|----------|---|---------|----------|----------|-----------|
| Calcium | 26.8 | 0.0519 | mg/L dry | 1 | BGD0099 | 04/04/23 | 04/08/23 | EPA 6020B |
| Magnesium | 9.21 | 0.0519 | " | " | " | " | " | " |
| Sodium | 17.4 | 0.0519 | " | " | " | " | " | " |

Calculated Analysis

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.739 | 0.00100 | units | 1 | BGD0250 | 04/08/23 | 04/08/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 96.4 | | % | 1 | BGD0093 | 04/04/23 | 04/06/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.258 | 0.0100 | mmhos/cm | 1 | BGD0121 | 04/05/23 | 04/05/23 | EPA 120.1 | |

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

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.83 | | pH Units | 1 | BGD0120 | 04/05/23 | 04/05/23 | 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 - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henehan

Reported:
04/18/23 11:16

DL Trench E 2 Ft
2303771-07 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BGD0061 | 04/03/23 | 04/05/23 | 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: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0358 | 89.5 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0398 | 99.4 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.0402 | 100 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BGD0062 | 04/03/23 | 04/05/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | 5.92 | 47.3 % | 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 - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

DL Trench E 2 Ft
2303771-07 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BGD0080 | 04/04/23 | 04/05/23 | 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: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0204 | 61.1 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0199 | 59.7 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.125 | 0.0100 | mg/L | 1 | BGD0097 | 04/04/23 | 04/08/23 | EPA 6020B | |

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

Date Sampled: **03/22/23 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 - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

DL Trench E 2 Ft
2303771-07 (Soil)

Summit Scientific

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

| | | | | | | | | |
|-----------|------|--------|----------|---|---------|----------|----------|-----------|
| Calcium | 57.5 | 0.0567 | mg/L dry | 1 | BGD0099 | 04/04/23 | 04/08/23 | EPA 6020B |
| Magnesium | 9.75 | 0.0567 | " | " | " | " | " | " |
| Sodium | 21.2 | 0.0567 | " | " | " | " | " | " |

Calculated Analysis

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.681 | 0.00100 | units | 1 | BGD0250 | 04/08/23 | 04/08/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 88.1 | | % | 1 | BGD0093 | 04/04/23 | 04/06/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.578 | 0.0100 | mmhos/cm | 1 | BGD0121 | 04/05/23 | 04/05/23 | EPA 120.1 | |

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

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.57 | | pH Units | 1 | BGD0120 | 04/05/23 | 04/05/23 | EPA 9045D | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

DL Trench W 2 Ft
2303771-08 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BGD0061 | 04/03/23 | 04/05/23 | 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: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0368 | 91.9 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0399 | 99.7 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.0397 | 99.3 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BGD0062 | 04/03/23 | 04/05/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | 8.04 | 64.3 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

DL Trench W 2 Ft
2303771-08 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BGD0080 | 04/04/23 | 04/05/23 | 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: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0233 | 69.8 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0232 | 69.7 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.124 | 0.0100 | mg/L | 1 | BGD0097 | 04/04/23 | 04/08/23 | EPA 6020B | |

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

Date Sampled: **03/22/23 00:00**

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

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

DL Trench W 2 Ft
2303771-08 (Soil)

Summit Scientific

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

| | | | | | | | | |
|-----------|------|--------|----------|---|---------|----------|----------|-----------|
| Calcium | 48.3 | 0.0521 | mg/L dry | 1 | BGD0099 | 04/04/23 | 04/08/23 | EPA 6020B |
| Magnesium | 10.2 | 0.0521 | " | " | " | " | " | " |
| Sodium | 10.8 | 0.0521 | " | " | " | " | " | " |

Calculated Analysis

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.369 | 0.00100 | units | 1 | BGD0250 | 04/08/23 | 04/08/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 96.0 | | % | 1 | BGD0093 | 04/04/23 | 04/06/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.547 | 0.0100 | mmhos/cm | 1 | BGD0121 | 04/05/23 | 04/05/23 | EPA 120.1 | |

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

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.48 | | pH Units | 1 | BGD0120 | 04/05/23 | 04/05/23 | EPA 9045D | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Hanscome Balboa Tank Battery
Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

BKG 2 2 Ft
2303771-09 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.210 | 0.0100 | mg/L | 1 | BGD0097 | 04/04/23 | 04/08/23 | EPA 6020B | |

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

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 31.9 | 0.0524 | mg/L dry | 1 | BGD0099 | 04/04/23 | 04/08/23 | EPA 6020B | |
| Magnesium | 14.5 | 0.0524 | " | " | " | " | " | " | |
| Sodium | 3.01 | 0.0524 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.111 | 0.00100 | units | 1 | BGD0250 | 04/08/23 | 04/08/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 95.5 | | % | 1 | BGD0093 | 04/04/23 | 04/06/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.250 | 0.0100 | mmhos/cm | 1 | BGD0121 | 04/05/23 | 04/05/23 | EPA 120.1 | |

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

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

BKG 2 2 Ft
2303771-09 (Soil)

Summit Scientific

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

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------|--|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| pH | 6.08 | | | pH Units | 1 | BGD0120 | 04/05/23 | 04/05/23 | EPA 9045D | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

BKG 3 2 Ft
2303771-10 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.213 | 0.0100 | mg/L | 1 | BGD0097 | 04/04/23 | 04/08/23 | EPA 6020B | |

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

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 28.2 | 0.0526 | mg/L dry | 1 | BGD0099 | 04/04/23 | 04/08/23 | EPA 6020B | |
| Magnesium | 9.51 | 0.0526 | " | " | " | " | " | " | |
| Sodium | 4.26 | 0.0526 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.177 | 0.00100 | units | 1 | BGD0250 | 04/08/23 | 04/08/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 95.1 | | % | 1 | BGD0093 | 04/04/23 | 04/06/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.282 | 0.0100 | mmhos/cm | 1 | BGD0121 | 04/05/23 | 04/05/23 | EPA 120.1 | |

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

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

BKG 3 2 Ft
2303771-10 (Soil)

Summit Scientific

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

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------|--|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| pH | 7.93 | | | pH Units | 1 | BGD0120 | 04/05/23 | 04/05/23 | 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 - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henehan

Reported:
04/18/23 11:16

Sep Riser Mid 2 Ft
2303771-11 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

I-04

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BGD0170 | 04/06/23 | 04/07/23 | 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: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0372 | 93.1 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0404 | 101 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.0411 | 103 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BGD0172 | 04/06/23 | 04/10/23 | EPA 8015M | I-04 |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | I-04 |

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | 13.6 | 109 % | 30-150 | | " | " | " | " | I-04 |

PAH by EPA Method 8270D SIM

I-04

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

**Sep Riser Mid 2 Ft
2303771-11 (Soil)**

Summit Scientific

PAH by EPA Method 8270D SIM

I-04

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | 0.0444 | 0.00500 | mg/kg | 1 | BGD0152 | 04/06/23 | 04/06/23 | EPA 8270D SIM | |
| Anthracene | 0.101 | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) anthracene | 0.0818 | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) pyrene | 0.0549 | 0.00500 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | 0.0736 | 0.00500 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | 0.0306 | 0.00500 | " | " | " | " | " | " | |
| Chrysene | 0.0866 | 0.00500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluoranthene | 0.183 | 0.00500 | " | " | " | " | " | " | |
| Fluorene | 0.0731 | 0.00500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | 0.0442 | 0.00500 | " | " | " | " | " | " | |
| Pyrene | 0.143 | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | 0.0127 | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0235 | 70.6 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0188 | 56.5 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.0571 | 0.0100 | mg/L | 1 | BGD0239 | 04/08/23 | 04/12/23 | EPA 6020B | |

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

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 23.8 | 0.0529 | mg/L dry | 1 | BGD0341 | 04/11/23 | 04/17/23 | EPA 6020B | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

Sep Riser Mid 2 Ft
2303771-11 (Soil)

Summit Scientific

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

| | | | | | | | | |
|-----------|------|--------|----------|---|---------|----------|----------|-----------|
| Magnesium | 6.16 | 0.0529 | mg/L dry | 1 | BGD0341 | 04/11/23 | 04/17/23 | EPA 6020B |
| Sodium | 4.97 | 0.0529 | " | " | " | " | " | " |

Calculated Analysis

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.235 | 0.00100 | units | 1 | BGD0548 | 04/18/23 | 04/18/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 94.6 | | % | 1 | BGD0200 | 04/07/23 | 04/07/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.186 | 0.0100 | mmhos/cm | 1 | BGD0371 | 04/12/23 | 04/13/23 | EPA 120.1 | |

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

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.67 | | pH Units | 1 | BGD0372 | 04/12/23 | 04/13/23 | 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 - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henahan

Reported:
04/18/23 11:16

BKG 5 2 Ft
2303771-12 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.143 | 0.0100 | mg/L | 1 | BGD0239 | 04/08/23 | 04/12/23 | EPA 6020B | |

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

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 45.2 | 0.0539 | mg/L dry | 1 | BGD0341 | 04/11/23 | 04/17/23 | EPA 6020B | |
| Magnesium | 6.77 | 0.0539 | " | " | " | " | " | " | |
| Sodium | 21.6 | 0.0539 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.792 | 0.00100 | units | 1 | BGD0548 | 04/18/23 | 04/18/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 92.8 | | % | 1 | BGD0200 | 04/07/23 | 04/07/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.537 | 0.0100 | mmhos/cm | 1 | BGD0371 | 04/12/23 | 04/13/23 | EPA 120.1 | |

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

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

BKG 5 2 Ft
2303771-12 (Soil)

Summit Scientific

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

Date Sampled: **03/22/23 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------|--|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| pH | 7.68 | | | pH Units | 1 | BGD0372 | 04/12/23 | 04/13/23 | 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 - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

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 BGD0061 - EPA 5030 Soil MS

Blank (BGD0061-BLK1)

Prepared: 04/03/23 Analyzed: 04/04/23

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| 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 | 0.0398 | | " | 0.0400 | | 99.4 | 50-150 | | | |
| Surrogate: Toluene-d8 | 0.0401 | | " | 0.0400 | | 100 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0410 | | " | 0.0400 | | 103 | 50-150 | | | |

LCS (BGD0061-BS1)

Prepared: 04/03/23 Analyzed: 04/04/23

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Benzene | 0.0820 | 0.0020 | mg/kg | 0.100 | | 82.0 | 70-130 | | | |
| Toluene | 0.0847 | 0.0050 | " | 0.100 | | 84.7 | 70-130 | | | |
| Ethylbenzene | 0.101 | 0.0050 | " | 0.100 | | 101 | 70-130 | | | |
| m,p-Xylene | 0.194 | 0.010 | " | 0.200 | | 96.8 | 70-130 | | | |
| o-Xylene | 0.0961 | 0.0050 | " | 0.100 | | 96.1 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.0975 | 0.0050 | " | 0.100 | | 97.5 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0995 | 0.0050 | " | 0.100 | | 99.5 | 70-130 | | | |
| Naphthalene | 0.0979 | 0.0038 | " | 0.100 | | 97.9 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0324 | | " | 0.0400 | | 80.9 | 50-150 | | | |
| Surrogate: Toluene-d8 | 0.0392 | | " | 0.0400 | | 97.9 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0395 | | " | 0.0400 | | 98.8 | 50-150 | | | |

Matrix Spike (BGD0061-MS1)

Source: 2303767-01

Prepared: 04/03/23 Analyzed: 04/04/23

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|----|------|--------|--|--|--|
| Benzene | 0.0823 | 0.0020 | mg/kg | 0.100 | ND | 82.3 | 70-130 | | | |
| Toluene | 0.0861 | 0.0050 | " | 0.100 | ND | 86.1 | 70-130 | | | |
| Ethylbenzene | 0.0988 | 0.0050 | " | 0.100 | ND | 98.8 | 70-130 | | | |
| m,p-Xylene | 0.189 | 0.010 | " | 0.200 | ND | 94.5 | 70-130 | | | |
| o-Xylene | 0.0963 | 0.0050 | " | 0.100 | ND | 96.3 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.0973 | 0.0050 | " | 0.100 | ND | 97.3 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0982 | 0.0050 | " | 0.100 | ND | 98.2 | 70-130 | | | |
| Naphthalene | 0.106 | 0.0038 | " | 0.100 | ND | 106 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0344 | | " | 0.0400 | | 86.1 | 50-150 | | | |
| Surrogate: Toluene-d8 | 0.0399 | | " | 0.0400 | | 99.8 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0392 | | " | 0.0400 | | 97.9 | 50-150 | | | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

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 BGD0061 - EPA 5030 Soil MS

Matrix Spike Dup (BGD0061-MSD1)

Source: 2303767-01

Prepared: 04/03/23 Analyzed: 04/04/23

| | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|----|------|--------|------|----|
| Benzene | 0.0784 | 0.0020 | mg/kg | 0.100 | ND | 78.4 | 70-130 | 4.89 | 30 |
| Toluene | 0.0823 | 0.0050 | " | 0.100 | ND | 82.3 | 70-130 | 4.53 | 30 |
| Ethylbenzene | 0.0976 | 0.0050 | " | 0.100 | ND | 97.6 | 70-130 | 1.19 | 30 |
| m,p-Xylene | 0.185 | 0.010 | " | 0.200 | ND | 92.3 | 70-130 | 2.30 | 30 |
| o-Xylene | 0.0937 | 0.0050 | " | 0.100 | ND | 93.7 | 70-130 | 2.72 | 30 |
| 1,2,4-Trimethylbenzene | 0.0953 | 0.0050 | " | 0.100 | ND | 95.3 | 70-130 | 2.06 | 30 |
| 1,3,5-Trimethylbenzene | 0.0964 | 0.0050 | " | 0.100 | ND | 96.4 | 70-130 | 1.91 | 30 |
| Naphthalene | 0.104 | 0.0038 | " | 0.100 | ND | 104 | 70-130 | 1.34 | 30 |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0340 | | " | 0.0400 | | 85.1 | 50-150 | | |
| Surrogate: Toluene-d8 | 0.0398 | | " | 0.0400 | | 99.4 | 50-150 | | |
| Surrogate: 4-Bromofluorobenzene | 0.0392 | | " | 0.0400 | | 98.0 | 50-150 | | |

Batch BGD0170 - EPA 5030 Soil MS

Blank (BGD0170-BLK1)

Prepared & Analyzed: 04/06/23

| | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|
| 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 | 0.0397 | | " | 0.0400 | | 99.2 | 50-150 | | |
| Surrogate: Toluene-d8 | 0.0402 | | " | 0.0400 | | 101 | 50-150 | | |
| Surrogate: 4-Bromofluorobenzene | 0.0421 | | " | 0.0400 | | 105 | 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 - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

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 BGD0170 - EPA 5030 Soil MS

LCS (BGD0170-BS1)

Prepared & Analyzed: 04/06/23

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Benzene | 0.0823 | 0.0020 | mg/kg | 0.100 | | 82.3 | 70-130 | | | |
| Toluene | 0.0843 | 0.0050 | " | 0.100 | | 84.3 | 70-130 | | | |
| Ethylbenzene | 0.0995 | 0.0050 | " | 0.100 | | 99.5 | 70-130 | | | |
| m,p-Xylene | 0.189 | 0.010 | " | 0.200 | | 94.6 | 70-130 | | | |
| o-Xylene | 0.0948 | 0.0050 | " | 0.100 | | 94.8 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.0950 | 0.0050 | " | 0.100 | | 95.0 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0964 | 0.0050 | " | 0.100 | | 96.4 | 70-130 | | | |
| Naphthalene | 0.0922 | 0.0038 | " | 0.100 | | 92.2 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0319 | | " | 0.0400 | | 79.8 | 50-150 | | | |
| Surrogate: Toluene-d8 | 0.0395 | | " | 0.0400 | | 98.8 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0406 | | " | 0.0400 | | 102 | 50-150 | | | |

Matrix Spike (BGD0170-MS1)

Source: 2304027-01

Prepared & Analyzed: 04/06/23

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|----|------|--------|--|--|--|
| Benzene | 0.0776 | 0.0020 | mg/kg | 0.100 | ND | 77.6 | 70-130 | | | |
| Toluene | 0.0812 | 0.0050 | " | 0.100 | ND | 81.2 | 70-130 | | | |
| Ethylbenzene | 0.0968 | 0.0050 | " | 0.100 | ND | 96.8 | 70-130 | | | |
| m,p-Xylene | 0.186 | 0.010 | " | 0.200 | ND | 92.9 | 70-130 | | | |
| o-Xylene | 0.0928 | 0.0050 | " | 0.100 | ND | 92.8 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.0931 | 0.0050 | " | 0.100 | ND | 93.1 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0949 | 0.0050 | " | 0.100 | ND | 94.9 | 70-130 | | | |
| Naphthalene | 0.0954 | 0.0038 | " | 0.100 | ND | 95.4 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0320 | | " | 0.0400 | | 80.1 | 50-150 | | | |
| Surrogate: Toluene-d8 | 0.0391 | | " | 0.0400 | | 97.6 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0394 | | " | 0.0400 | | 98.6 | 50-150 | | | |

Matrix Spike Dup (BGD0170-MSD1)

Source: 2304027-01

Prepared & Analyzed: 04/06/23

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|----|------|--------|-------|----|--|
| Benzene | 0.0809 | 0.0020 | mg/kg | 0.100 | ND | 80.9 | 70-130 | 4.09 | 30 | |
| Toluene | 0.0829 | 0.0050 | " | 0.100 | ND | 82.9 | 70-130 | 2.12 | 30 | |
| Ethylbenzene | 0.0958 | 0.0050 | " | 0.100 | ND | 95.8 | 70-130 | 1.03 | 30 | |
| m,p-Xylene | 0.184 | 0.010 | " | 0.200 | ND | 91.8 | 70-130 | 1.23 | 30 | |
| o-Xylene | 0.0926 | 0.0050 | " | 0.100 | ND | 92.6 | 70-130 | 0.194 | 30 | |
| 1,2,4-Trimethylbenzene | 0.0920 | 0.0050 | " | 0.100 | ND | 92.0 | 70-130 | 1.17 | 30 | |
| 1,3,5-Trimethylbenzene | 0.0932 | 0.0050 | " | 0.100 | ND | 93.2 | 70-130 | 1.79 | 30 | |
| Naphthalene | 0.105 | 0.0038 | " | 0.100 | ND | 105 | 70-130 | 9.49 | 30 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0343 | | " | 0.0400 | | 85.8 | 50-150 | | | |
| Surrogate: Toluene-d8 | 0.0395 | | " | 0.0400 | | 98.8 | 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 - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BGD0062 - EPA 3550A

Blank (BGD0062-BLK1)

Prepared: 04/03/23 Analyzed: 04/05/23

| | | | | | | | | | | |
|------------------------|------|----|-------|------|--|-----|--------|--|--|--|
| C10-C28 (DRO) | ND | 50 | mg/kg | | | | | | | |
| C28-C36 (ORO) | ND | 50 | " | | | | | | | |
| Surrogate: o-Terphenyl | 14.2 | | " | 12.5 | | 114 | 30-150 | | | |

LCS (BGD0062-BS1)

Prepared: 04/03/23 Analyzed: 04/05/23

| | | | | | | | | | | |
|------------------------|------|----|-------|------|--|-----|--------|--|--|--|
| C10-C28 (DRO) | 505 | 50 | mg/kg | 500 | | 101 | 70-130 | | | |
| Surrogate: o-Terphenyl | 14.3 | | " | 12.5 | | 115 | 30-150 | | | |

Matrix Spike (BGD0062-MS1)

Source: 2303767-01

Prepared: 04/03/23 Analyzed: 04/05/23

| | | | | | | | | | | |
|------------------------|------|----|-------|------|------|------|--------|--|--|--|
| C10-C28 (DRO) | 507 | 50 | mg/kg | 500 | 34.0 | 94.6 | 70-130 | | | |
| Surrogate: o-Terphenyl | 14.3 | | " | 12.5 | | 115 | 30-150 | | | |

Matrix Spike Dup (BGD0062-MSD1)

Source: 2303767-01

Prepared: 04/03/23 Analyzed: 04/05/23

| | | | | | | | | | | |
|------------------------|------|----|-------|------|------|------|--------|------|----|--|
| C10-C28 (DRO) | 516 | 50 | mg/kg | 500 | 34.0 | 96.5 | 70-130 | 1.85 | 20 | |
| Surrogate: o-Terphenyl | 13.8 | | " | 12.5 | | 110 | 30-150 | | | |

Batch BGD0172 - EPA 3550A

Blank (BGD0172-BLK1)

Prepared: 04/06/23 Analyzed: 04/09/23

| | | | | | | | | | | |
|------------------------|------|----|-------|------|--|-----|--------|--|--|--|
| C10-C28 (DRO) | ND | 50 | mg/kg | | | | | | | |
| C28-C36 (ORO) | ND | 50 | " | | | | | | | |
| Surrogate: o-Terphenyl | 13.2 | | " | 12.5 | | 105 | 30-150 | | | |

LCS (BGD0172-BS1)

Prepared: 04/06/23 Analyzed: 04/09/23

| | | | | | | | | | | |
|------------------------|------|----|-------|------|--|-----|--------|--|--|--|
| C10-C28 (DRO) | 543 | 50 | mg/kg | 500 | | 109 | 70-130 | | | |
| Surrogate: o-Terphenyl | 13.7 | | " | 12.5 | | 110 | 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 - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BGD0172 - EPA 3550A

| | | | | | | | | | | |
|--|------|---------------------------|-------|------|---------------------------------------|------|--------|------|----|--|
| Matrix Spike (BGD0172-MS1) | | Source: 2304027-01 | | | Prepared: 04/06/23 Analyzed: 04/10/23 | | | | | |
| C10-C28 (DRO) | 498 | 50 | mg/kg | 500 | 17.9 | 95.9 | 70-130 | | | |
| Surrogate: o-Terphenyl | 14.4 | | " | 12.5 | | 115 | 30-150 | | | |
| Matrix Spike Dup (BGD0172-MSD1) | | Source: 2304027-01 | | | Prepared: 04/06/23 Analyzed: 04/10/23 | | | | | |
| C10-C28 (DRO) | 452 | 50 | mg/kg | 500 | 17.9 | 86.8 | 70-130 | 9.60 | 20 | |
| Surrogate: o-Terphenyl | 13.0 | | " | 12.5 | | 104 | 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 - Hanscome Balboa Tank Battery
Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BGD0080 - EPA 5030 Soil MS

Blank (BGD0080-BLK1)

Prepared: 04/04/23 Analyzed: 04/05/23

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|--|------|--------|--|--|--|
| 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 | " | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0269 | | " | 0.0333 | | 80.7 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0344 | | " | 0.0333 | | 103 | 40-150 | | | |

LCS (BGD0080-BS1)

Prepared: 04/04/23 Analyzed: 04/05/23

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|--|------|--------|--|--|--|
| Acenaphthene | 0.0308 | 0.00500 | mg/kg | 0.0333 | | 92.3 | 31-137 | | | |
| Anthracene | 0.0304 | 0.00500 | " | 0.0333 | | 91.2 | 30-120 | | | |
| Benzo (a) anthracene | 0.0324 | 0.00500 | " | 0.0333 | | 97.2 | 30-120 | | | |
| Benzo (a) pyrene | 0.0273 | 0.00500 | " | 0.0333 | | 81.8 | 30-120 | | | |
| Benzo (b) fluoranthene | 0.0267 | 0.00500 | " | 0.0333 | | 80.1 | 30-120 | | | |
| Benzo (k) fluoranthene | 0.0268 | 0.00500 | " | 0.0333 | | 80.4 | 30-120 | | | |
| Chrysene | 0.0256 | 0.00500 | " | 0.0333 | | 76.8 | 30-120 | | | |
| Dibenz (a,h) anthracene | 0.0247 | 0.00500 | " | 0.0333 | | 74.1 | 30-120 | | | |
| Fluoranthene | 0.0298 | 0.00500 | " | 0.0333 | | 89.3 | 30-120 | | | |
| Fluorene | 0.0304 | 0.00500 | " | 0.0333 | | 91.2 | 30-120 | | | |
| Indeno (1,2,3-cd) pyrene | 0.0260 | 0.00500 | " | 0.0333 | | 78.0 | 30-120 | | | |
| Pyrene | 0.0287 | 0.00500 | " | 0.0333 | | 86.1 | 35-142 | | | |
| 1-Methylnaphthalene | 0.0325 | 0.00500 | " | 0.0333 | | 97.4 | 35-142 | | | |
| 2-Methylnaphthalene | 0.0319 | 0.00500 | " | 0.0333 | | 95.8 | 35-142 | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0312 | | " | 0.0333 | | 93.5 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0328 | | " | 0.0333 | | 98.5 | 40-150 | | | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BGD0080 - EPA 5030 Soil MS

Matrix Spike (BGD0080-MS1)

Source: 2303762-01

Prepared: 04/04/23 Analyzed: 04/05/23

| | | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|----|------|--------|--|--|--|--|
| Acenaphthene | 0.0196 | 0.00500 | mg/kg | 0.0333 | ND | 58.7 | 31-137 | | | | |
| Anthracene | 0.0188 | 0.00500 | " | 0.0333 | ND | 56.4 | 30-120 | | | | |
| Benzo (a) anthracene | 0.0196 | 0.00500 | " | 0.0333 | ND | 58.9 | 30-120 | | | | |
| Benzo (a) pyrene | 0.0165 | 0.00500 | " | 0.0333 | ND | 49.6 | 30-120 | | | | |
| Benzo (b) fluoranthene | 0.0161 | 0.00500 | " | 0.0333 | ND | 48.4 | 30-120 | | | | |
| Benzo (k) fluoranthene | 0.0159 | 0.00500 | " | 0.0333 | ND | 47.6 | 30-120 | | | | |
| Chrysene | 0.0155 | 0.00500 | " | 0.0333 | ND | 46.6 | 30-120 | | | | |
| Dibenz (a,h) anthracene | 0.0163 | 0.00500 | " | 0.0333 | ND | 48.8 | 30-120 | | | | |
| Fluoranthene | 0.0184 | 0.00500 | " | 0.0333 | ND | 55.2 | 30-120 | | | | |
| Fluorene | 0.0190 | 0.00500 | " | 0.0333 | ND | 57.0 | 30-120 | | | | |
| Indeno (1,2,3-cd) pyrene | 0.0158 | 0.00500 | " | 0.0333 | ND | 47.4 | 30-120 | | | | |
| Pyrene | 0.0171 | 0.00500 | " | 0.0333 | ND | 51.3 | 35-142 | | | | |
| 1-Methylnaphthalene | 0.0221 | 0.00500 | " | 0.0333 | ND | 66.3 | 15-130 | | | | |
| 2-Methylnaphthalene | 0.0181 | 0.00500 | " | 0.0333 | ND | 54.2 | 15-130 | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0236 | | " | 0.0333 | | 70.7 | 40-150 | | | | |
| Surrogate: Fluoranthene-d10 | 0.0201 | | " | 0.0333 | | 60.2 | 40-150 | | | | |

Matrix Spike Dup (BGD0080-MSD1)

Source: 2303762-01

Prepared: 04/04/23 Analyzed: 04/05/23

| | | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|----|------|--------|------|----|--|--|
| Acenaphthene | 0.0206 | 0.00500 | mg/kg | 0.0333 | ND | 61.8 | 31-137 | 5.17 | 30 | | |
| Anthracene | 0.0213 | 0.00500 | " | 0.0333 | ND | 64.0 | 30-120 | 12.5 | 30 | | |
| Benzo (a) anthracene | 0.0215 | 0.00500 | " | 0.0333 | ND | 64.4 | 30-120 | 8.94 | 30 | | |
| Benzo (a) pyrene | 0.0180 | 0.00500 | " | 0.0333 | ND | 54.0 | 30-120 | 8.48 | 30 | | |
| Benzo (b) fluoranthene | 0.0180 | 0.00500 | " | 0.0333 | ND | 54.1 | 30-120 | 11.1 | 30 | | |
| Benzo (k) fluoranthene | 0.0171 | 0.00500 | " | 0.0333 | ND | 51.3 | 30-120 | 7.52 | 30 | | |
| Chrysene | 0.0165 | 0.00500 | " | 0.0333 | ND | 49.5 | 30-120 | 5.92 | 30 | | |
| Dibenz (a,h) anthracene | 0.0169 | 0.00500 | " | 0.0333 | ND | 50.7 | 30-120 | 3.83 | 30 | | |
| Fluoranthene | 0.0209 | 0.00500 | " | 0.0333 | ND | 62.8 | 30-120 | 12.9 | 30 | | |
| Fluorene | 0.0201 | 0.00500 | " | 0.0333 | ND | 60.4 | 30-120 | 5.85 | 30 | | |
| Indeno (1,2,3-cd) pyrene | 0.0177 | 0.00500 | " | 0.0333 | ND | 53.0 | 30-120 | 11.2 | 30 | | |
| Pyrene | 0.0185 | 0.00500 | " | 0.0333 | ND | 55.4 | 35-142 | 7.66 | 30 | | |
| 1-Methylnaphthalene | 0.0205 | 0.00500 | " | 0.0333 | ND | 61.5 | 15-130 | 7.49 | 50 | | |
| 2-Methylnaphthalene | 0.0155 | 0.00500 | " | 0.0333 | ND | 46.5 | 15-130 | 15.4 | 50 | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0216 | | " | 0.0333 | | 64.8 | 40-150 | | | | |
| Surrogate: Fluoranthene-d10 | 0.0227 | | " | 0.0333 | | 68.2 | 40-150 | | | | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

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 BGD0152 - EPA 5030 Soil MS

Blank (BGD0152-BLK1)

Prepared & Analyzed: 04/06/23

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|--|------|--------|--|--|--|
| 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 | " | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0397 | | " | 0.0333 | | 119 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0309 | | " | 0.0333 | | 92.6 | 40-150 | | | |

LCS (BGD0152-BS1)

Prepared & Analyzed: 04/06/23

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|--|------|--------|--|--|--|
| Acenaphthene | 0.0341 | 0.00500 | mg/kg | 0.0333 | | 102 | 31-137 | | | |
| Anthracene | 0.0367 | 0.00500 | " | 0.0333 | | 110 | 30-120 | | | |
| Benzo (a) anthracene | 0.0339 | 0.00500 | " | 0.0333 | | 102 | 30-120 | | | |
| Benzo (a) pyrene | 0.0336 | 0.00500 | " | 0.0333 | | 101 | 30-120 | | | |
| Benzo (b) fluoranthene | 0.0370 | 0.00500 | " | 0.0333 | | 111 | 30-120 | | | |
| Benzo (k) fluoranthene | 0.0360 | 0.00500 | " | 0.0333 | | 108 | 30-120 | | | |
| Chrysene | 0.0275 | 0.00500 | " | 0.0333 | | 82.6 | 30-120 | | | |
| Dibenz (a,h) anthracene | 0.0267 | 0.00500 | " | 0.0333 | | 80.2 | 30-120 | | | |
| Fluoranthene | 0.0368 | 0.00500 | " | 0.0333 | | 110 | 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 | 0.0360 | 0.00500 | " | 0.0333 | | 108 | 35-142 | | | |
| 1-Methylnaphthalene | 0.0365 | 0.00500 | " | 0.0333 | | 109 | 35-142 | | | |
| 2-Methylnaphthalene | 0.0379 | 0.00500 | " | 0.0333 | | 114 | 35-142 | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0390 | | " | 0.0333 | | 117 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0354 | | " | 0.0333 | | 106 | 40-150 | | | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BGD0152 - EPA 5030 Soil MS

Matrix Spike (BGD0152-MS1)

Source: 2304016-01

Prepared & Analyzed: 04/06/23

| | | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|----|------|--------|--|--|--|--|
| Acenaphthene | 0.0240 | 0.00500 | mg/kg | 0.0333 | ND | 72.1 | 31-137 | | | | |
| Anthracene | 0.0280 | 0.00500 | " | 0.0333 | ND | 83.9 | 30-120 | | | | |
| Benzo (a) anthracene | 0.0258 | 0.00500 | " | 0.0333 | ND | 77.4 | 30-120 | | | | |
| Benzo (a) pyrene | 0.0255 | 0.00500 | " | 0.0333 | ND | 76.5 | 30-120 | | | | |
| Benzo (b) fluoranthene | 0.0263 | 0.00500 | " | 0.0333 | ND | 78.8 | 30-120 | | | | |
| Benzo (k) fluoranthene | 0.0285 | 0.00500 | " | 0.0333 | ND | 85.4 | 30-120 | | | | |
| Chrysene | 0.0221 | 0.00500 | " | 0.0333 | ND | 66.4 | 30-120 | | | | |
| Dibenz (a,h) anthracene | 0.0209 | 0.00500 | " | 0.0333 | ND | 62.7 | 30-120 | | | | |
| Fluoranthene | 0.0276 | 0.00500 | " | 0.0333 | ND | 82.7 | 30-120 | | | | |
| Fluorene | 0.0271 | 0.00500 | " | 0.0333 | ND | 81.4 | 30-120 | | | | |
| Indeno (1,2,3-cd) pyrene | 0.0196 | 0.00500 | " | 0.0333 | ND | 58.8 | 30-120 | | | | |
| Pyrene | 0.0306 | 0.00500 | " | 0.0333 | ND | 91.8 | 35-142 | | | | |
| 1-Methylnaphthalene | 0.0310 | 0.00500 | " | 0.0333 | ND | 92.9 | 15-130 | | | | |
| 2-Methylnaphthalene | 0.0344 | 0.00500 | " | 0.0333 | ND | 103 | 15-130 | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0318 | | " | 0.0333 | | 95.3 | 40-150 | | | | |
| Surrogate: Fluoranthene-d10 | 0.0299 | | " | 0.0333 | | 89.8 | 40-150 | | | | |

Matrix Spike Dup (BGD0152-MSD1)

Source: 2304016-01

Prepared & Analyzed: 04/06/23

| | | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|----|------|--------|------|----|--|--|
| Acenaphthene | 0.0310 | 0.00500 | mg/kg | 0.0333 | ND | 93.1 | 31-137 | 25.4 | 30 | | |
| Anthracene | 0.0326 | 0.00500 | " | 0.0333 | ND | 97.8 | 30-120 | 15.3 | 30 | | |
| Benzo (a) anthracene | 0.0303 | 0.00500 | " | 0.0333 | ND | 90.8 | 30-120 | 16.0 | 30 | | |
| Benzo (a) pyrene | 0.0308 | 0.00500 | " | 0.0333 | ND | 92.5 | 30-120 | 18.9 | 30 | | |
| Benzo (b) fluoranthene | 0.0313 | 0.00500 | " | 0.0333 | ND | 93.8 | 30-120 | 17.4 | 30 | | |
| Benzo (k) fluoranthene | 0.0327 | 0.00500 | " | 0.0333 | ND | 98.0 | 30-120 | 13.7 | 30 | | |
| Chrysene | 0.0251 | 0.00500 | " | 0.0333 | ND | 75.3 | 30-120 | 12.6 | 30 | | |
| Dibenz (a,h) anthracene | 0.0260 | 0.00500 | " | 0.0333 | ND | 77.9 | 30-120 | 21.7 | 30 | | |
| Fluoranthene | 0.0314 | 0.00500 | " | 0.0333 | ND | 94.2 | 30-120 | 13.0 | 30 | | |
| Fluorene | 0.0347 | 0.00500 | " | 0.0333 | ND | 104 | 30-120 | 24.5 | 30 | | |
| Indeno (1,2,3-cd) pyrene | 0.0256 | 0.00500 | " | 0.0333 | ND | 76.8 | 30-120 | 26.5 | 30 | | |
| Pyrene | 0.0347 | 0.00500 | " | 0.0333 | ND | 104 | 35-142 | 12.6 | 30 | | |
| 1-Methylnaphthalene | 0.0345 | 0.00500 | " | 0.0333 | ND | 104 | 15-130 | 10.9 | 50 | | |
| 2-Methylnaphthalene | 0.0374 | 0.00500 | " | 0.0333 | ND | 112 | 15-130 | 8.36 | 50 | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0347 | | " | 0.0333 | | 104 | 40-150 | | | | |
| Surrogate: Fluoranthene-d10 | 0.0340 | | " | 0.0333 | | 102 | 40-150 | | | | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

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 BGD0097 - EPA 3050B

Blank (BGD0097-BLK1)

Prepared: 04/04/23 Analyzed: 04/08/23

Boron ND 0.0100 mg/L

LCS (BGD0097-BS1)

Prepared: 04/04/23 Analyzed: 04/08/23

Boron 4.81 0.0100 mg/L 5.00 96.3 80-120

Duplicate (BGD0097-DUP1)

Source: 2303771-01

Prepared: 04/04/23 Analyzed: 04/08/23

Boron 0.0760 0.0100 mg/L 0.0812 6.64 20

Matrix Spike (BGD0097-MS1)

Source: 2303771-01

Prepared: 04/04/23 Analyzed: 04/08/23

Boron 4.94 0.0100 mg/L 5.00 0.0812 97.2 75-125

Matrix Spike Dup (BGD0097-MSD1)

Source: 2303771-01

Prepared: 04/04/23 Analyzed: 04/08/23

Boron 5.09 0.0100 mg/L 5.00 0.0812 100 75-125 2.92 25

Batch BGD0239 - EPA 3050B

Blank (BGD0239-BLK1)

Prepared: 04/08/23 Analyzed: 04/12/23

Boron ND 0.0100 mg/L

LCS (BGD0239-BS1)

Prepared: 04/08/23 Analyzed: 04/12/23

Boron 4.86 0.0100 mg/L 5.00 97.3 80-120

Duplicate (BGD0239-DUP1)

Source: 2303771-11

Prepared: 04/08/23 Analyzed: 04/12/23

Boron 0.0634 0.0100 mg/L 0.0571 10.4 20

Matrix Spike (BGD0239-MS1)

Source: 2303771-11

Prepared: 04/08/23 Analyzed: 04/12/23

Boron 4.76 0.0100 mg/L 5.00 0.0571 94.1 75-125

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

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

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

Batch BGD0239 - EPA 3050B

| Matrix Spike Dup (BGD0239-MSD1) | | | | Source: 2303771-11 | | Prepared: 04/08/23 Analyzed: 04/12/23 | | | | |
|---------------------------------|------|--------|------|--------------------|--------|---------------------------------------|--------|-------|----|--|
| Boron | 4.77 | 0.0100 | mg/L | 5.00 | 0.0571 | 94.2 | 75-125 | 0.169 | 25 | |

Summit Scientific



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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

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

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

Batch BGD0099 - General Preparation

Blank (BGD0099-BLK1)

Prepared: 04/04/23 Analyzed: 04/08/23

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

LCS (BGD0099-BS1)

Prepared: 04/04/23 Analyzed: 04/08/23

| | | | | | | |
|-----------|------|--------|----------|------|-----|--------|
| Calcium | 5.81 | 0.0500 | mg/L wet | 5.00 | 116 | 70-130 |
| Magnesium | 5.11 | 0.0500 | " | 5.00 | 102 | 70-130 |
| Sodium | 5.29 | 0.0500 | " | 5.00 | 106 | 70-130 |

Batch BGD0341 - General Preparation

Blank (BGD0341-BLK1)

Prepared: 04/11/23 Analyzed: 04/17/23

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

LCS (BGD0341-BS1)

Prepared: 04/11/23 Analyzed: 04/17/23

| | | | | | | |
|-----------|------|--------|----------|------|------|--------|
| Calcium | 5.31 | 0.0500 | mg/L wet | 5.00 | 106 | 70-130 |
| Magnesium | 4.95 | 0.0500 | " | 5.00 | 99.0 | 70-130 |
| Sodium | 5.08 | 0.0500 | " | 5.00 | 102 | 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 - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

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 BGD0093 - General Preparation

| | | | | | | | | | | |
|---------------------------------|------|---------------------------|---|--|---------------------------------------|--|--|-------|----|--|
| Duplicate (BGD0093-DUP1) | | Source: 2303769-01 | | | Prepared: 04/04/23 Analyzed: 04/06/23 | | | | | |
| % Solids | 92.4 | | % | | 92.6 | | | 0.208 | 20 | |

Batch BGD0200 - General Preparation

| | | | | | | | | | | |
|---------------------------------|------|---------------------------|---|--|-------------------------------|--|--|--------|----|--|
| Duplicate (BGD0200-DUP1) | | Source: 2303542-01 | | | Prepared & Analyzed: 04/07/23 | | | | | |
| % Solids | 90.7 | | % | | 90.7 | | | 0.0163 | 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 - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

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 BGD0121 - General Preparation

Blank (BGD0121-BLK1)

Prepared & Analyzed: 04/05/23

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BGD0121-BS1)

Prepared & Analyzed: 04/05/23

Specific Conductance (EC) 0.148 0.0100 mmhos/cm 0.150 98.5 95-105

Duplicate (BGD0121-DUP1)

Source: 2303767-01

Prepared & Analyzed: 04/05/23

Specific Conductance (EC) 0.570 0.0100 mmhos/cm 0.568 0.228 20

Batch BGD0371 - General Preparation

Blank (BGD0371-BLK1)

Prepared: 04/12/23 Analyzed: 04/13/23

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BGD0371-BS1)

Prepared: 04/12/23 Analyzed: 04/13/23

Specific Conductance (EC) 0.151 0.0100 mmhos/cm 0.150 101 95-105

Duplicate (BGD0371-DUP1)

Source: 2303542-01

Prepared: 04/12/23 Analyzed: 04/13/23

Specific Conductance (EC) 0.722 0.0100 mmhos/cm 0.730 1.17 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 - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

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

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

Batch BGD0120 - General Preparation

LCS (BGD0120-BS1)

Prepared & Analyzed: 04/05/23

| | | | | | | | |
|----|------|--|----------|------|--|------|--------|
| pH | 9.03 | | pH Units | 9.18 | | 98.4 | 95-105 |
|----|------|--|----------|------|--|------|--------|

Duplicate (BGD0120-DUP1)

Source: 2303767-01

Prepared & Analyzed: 04/05/23

| | | | | | | | | |
|----|------|--|----------|--|------|--|-------|----|
| pH | 7.61 | | pH Units | | 7.59 | | 0.263 | 20 |
|----|------|--|----------|--|------|--|-------|----|

Batch BGD0372 - General Preparation

LCS (BGD0372-BS1)

Prepared: 04/12/23 Analyzed: 04/13/23

| | | | | | | | |
|----|------|--|----------|------|--|------|--------|
| pH | 9.05 | | pH Units | 9.18 | | 98.6 | 95-105 |
|----|------|--|----------|------|--|------|--------|

Duplicate (BGD0372-DUP1)

Source: 2303542-01

Prepared: 04/12/23 Analyzed: 04/13/23

| | | | | | | | | |
|----|------|--|----------|--|------|--|-------|----|
| pH | 7.90 | | pH Units | | 7.92 | | 0.253 | 20 |
|----|------|--|----------|--|------|--|-------|----|

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Hanscome Balboa Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
04/18/23 11:16

Notes and Definitions

I-04 Sample was analyzed out of recommended holding time per clients request.

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