

Wellhead Closure Checklist

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

| Additional attachments (optional): | | Pit Closure | | Tank Battery Closure | | Flowline Closure | | Partially Buried Vault Closure | |
|--|-------------|--------------------|--|----------------------|--|------------------|----------------------------------|--------------------------------|--|
| Site Name & COGCC Facility Number: Smith 21-05 | | Date: 8/19/2021 | | | | | Remediation Project #: 17185 | | |
| Associated Wells: | | Age of Site: | | | | | Number of Photos Attached: | | |
| Location: (GPS coordinates of wellhead or southeastern most wellhead for multiple) 40.3453393, -104.4634420 | | | | | | | Estimated Facility Size (acres): | | |
| General Condition of Site: (General observations regarding housekeeping, corrosion, waste management, etc.) Generally good condition | | | | | | | | | |
| USCS Soil Type: Clayey Sand - SC | | | | | Estimated Depth to Groundwater: >5' | | | | |
| Hydrocarbon Impacted Soils / Spills: (Note estimated size and if impact appears to be surficial or extends to an unknown depth) None observed | | | | | | | | | |
| Salt Crusted Soils or Impacted Vegetation: (Note estimated size and if impact appears to be surficial or extends to an unknown depth) None observed | | | | | | | | | |
| Wellhead(s) | | | | | | | | | |
| Well API | 123-20864 | | | | | | | | |
| Age | | | | | | | | | |
| Condition of surface around wellhead | Good | | | | | | | | |
| PID Readings | N/A | | | | | | | | |
| Condition of subsurface (staining present) | No staining | | | | | | | | |
| PID Readings | 0.0 - 65.5 | | | | | | | | |
| Sample taken? Location/Sample ID# | See below | | | | | | | | |
| Photo Number(s) | 9 | | | | | | | | |
| Other observations regarding wellheads: Four sidewall samples were collected at 2.5' bgs (SS01-SS04@2.5'), one base sample was collected (FS01@5'), and two samples were collected below the flowline at the wellhead and the separator (FL01A@3' and FL01B@3') | | | | | | | | | |
| Summary | | | | | | | | | |
| Was impacted soil identified? <input checked="" type="radio"/> No Yes - less than 10 cubic yards Yes - more than 10 cubic yards | | | | | | | | | |
| Total number of samples field screened: 9 | | | | | Total number of samples collected: 6 | | | | |
| Highest PID Reading: 65.5 | | | | | Total number of samples submitted to lab for analysis: 3 | | | | |
| If more than 10 cubic yards of impacted soil were observed: | | | | | | | | | |
| Vertical extent: | | | | | Estimated spill volume: | | | | |
| Lateral extent: | | | | | Volume of soil removed: | | | | |
| Is additional investigation required? | | | | | | | | | |
| Was groundwater encountered during the investigation? <input checked="" type="radio"/> No Yes - not impacted or in contact with impacted soils Yes - groundwater impacted and/or in contact with impacted soils | | | | | | | | | |
| Measured depth to groundwater: | | | | | Was remedial groundwater removal conducted? Yes No | | | | |
| Date Groundwater was encountered: | | | | | Commencement date of removal: | | | | |
| Sheen on groundwater? Yes No | | | | | Volume of groundwater removed prior to sampling: | | | | |
| Free product observed? Yes No | | | | | Volume of groundwater removed post sampling: | | | | |
| Total number of samples collected: | | | | | Total Volume of groundwater removed: | | | | |
| Total number of samples submitted to lab for analysis: | | | | | | | | | |

Flowline Closure Checklist

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

| | | | | | | | | |
|--|--|----------------------|--|------------------|------------------------------|-------------|--|--------------------------------|
| Additional Attachments: | | Tank Battery Closure | | Wellhead Closure | | Pit Closure | | Partially Buried Vault Closure |
| Site Name & COGCC Facility Number: Smith 21-05 | | Date: 8/19/2021 | | | Remediation Project #: 17185 | | | |
| Associated Wells: | | Age of Site: | | | Number of Photos Attached: 2 | | | |

Starting point: (GPS coordinates and descriptions)
40.3453796, -104.4633965

End point: (GPS coordinates and descriptions)
40.3451308, -104.4637573

USCS Soil Type: Clayey Sand - SC Estimated Depth to Groundwater: >5'

Hydrocarbon Impacted Soils / Spills: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)
None observed, slightly elevated PID at separator end.

Salt Crusted Soils or Impacted Vegetation: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)
None observed

Flowlines

| | | | | | | | | |
|-----------------------------------|---------------|--|--|--|--|--|--|--|
| Flowline type | oil/gas/water | | | | | | | |
| Depth | 3' | | | | | | | |
| Age | | | | | | | | |
| Length | ~160' | | | | | | | |
| Construction Material | Steel | | | | | | | |
| Were flowlines pulled? | no | | | | | | | |
| Visual Integrity of lines | | | | | | | | |
| Visual impacts if trenched | | | | | | | | |
| PID Readings if trenched | | | | | | | | |
| Sample taken? Location/Sample ID# | See below | | | | | | | |
| Photo Number(s) | 2 | | | | | | | |

Other observations regarding on location flowlines:
Samples were taken from the wellhead and separator ends (FL01A@3' and FL01B@3')

Summary

| | | | | |
|---|--|--|--|--|
| Was impacted soil identified? | | <input checked="" type="radio"/> No | Yes - less than 10 cubic yards | Yes - more than 10 cubic yards |
| Total number of samples field screened: | | Total number of samples collected: | | |
| Highest PID Reading: | | Total number of samples submitted to lab for analysis: | | |
| If more than 10 cubic yards of impacted soil were observed: | | | | |
| Vertical extent: | | Estimated spill volume: | | |
| Lateral extent: | | Volume of soil removed: | | |
| Is additional investigation required? | | | | |
| Was groundwater encountered during the investigation? | | <input checked="" type="radio"/> No | Yes - not impacted or in contact with impacted soils | Yes - groundwater impacted and/or in contact with impacted soils |
| Measured depth to groundwater: | | Was remedial groundwater removal conducted? Yes No | | |
| Date Groundwater was encountered: | | Commencement date of removal: | | |
| Sheen on groundwater? Yes No | | Volume of groundwater removed prior to sampling: | | |
| Free product observed? Yes No | | Volume of groundwater removed post sampling: | | |
| Total number of samples collected: | | Total Volume of groundwater removed: | | |
| Total number of samples submitted to lab for analysis: | | | | |

Photographic Log

| | | | | | |
|---|----------------|--------------------------------|--|----------------|--------------------------------|
|  | | |  | | |
| | | | | | |
| Material: Steel | Volume: | Contents: oil/gas/water | Material: Steel | Volume: | Contents: oil/gas/water |
| Notes/Conditions: North sidewall sampled at 2.5' | | | Notes/Conditions: East sidewall sampled at 2.5' | | |

Photographic Log



| | | | | | | | |
|--|----------------|---------------------------------|--|---|----------------|---------------------------------|--|
| Equipment ID: SS03@2.5' | | Equipment Type: Wellhead | | Equipment ID: SS04@2.5' | | Equipment Type: Wellhead | |
| Material: Steel | Volume: | Contents: oil/gas/water | | Material: Steel | Volume: | Contents: oil/gas/water | |
| Notes/Conditions: South sidewall sampled at 2.5' | | | | Notes/Conditions: West sidewall sampled at 2.5' | | | |

Photographic Log



| | | | | | | | |
|---|----------------|---------------------------------|--|--|----------------|---------------------------------|--|
| Equipment ID: FS01 @5' | | Equipment Type: Wellhead | | Equipment ID: FL01A @3' | | Equipment Type: Flowline | |
| Material: Steel | Volume: | Contents: oil/gas/water | | Material: Steel | Volume: | Contents: oil/gas/water | |
| Notes/Conditions: Wellhead excavation base sample collected at 5' | | | | Notes/Conditions: Wellhead flowline sample collected at 3' | | | |

Photographic Log



| | | | | | | | |
|---|--|---------------------------------|--|---|--|------------------------|--|
| Equipment ID: FL01B@3' | | Equipment Type: Flowline | | Equipment ID: NBG01 | | Equipment Type: | |
| Material: Steel | | Volume: | | Material: | | Volume: | |
| | | Contents: oil/gas/water | | | | Contents: | |
| Notes/Conditions: Separator end flowline sample collected at 3' | | | | Notes/Conditions: Background sample from North of wellhead excavation | | | |

Photographic Log

| | | | | | | | | | | | |
|---|--|--------------------------------------|--|--------------------------------|--|--------------------------|--|----------------|--|------------------|--|
|  | | | | | | | | | | | |
| | | | | | | | | | | | |
| Equipment ID: BG01 | | Equipment Type: ^{NA} | | Equipment ID: | | Equipment Type: | | | | | |
| Material: ^{NA} | | Volume: ^{NA} | | Contents: ^{NA} | | Material: | | Volume: | | Contents: | |
| Notes/Conditions: Smith 21-05, Photo of BG01 @3' | | | | | | Notes/Conditions: | | | | | |

TABLE 1
SOIL SAMPLE LOCATIONS
NOBLE ENERGY, INC. - SMITH 21-05

| Soil Sample ID | Date | PID (ppm) | Visual | Olfactory | Sample Type (Grab/Lab) | Latitude ¹ | Longitude | PDOP |
|----------------|----------|-----------|-------------|-----------|------------------------|-----------------------|--------------|------|
| FL01B@3' | 08/19/21 | 65.5 | No Staining | No Odor | Lab | 40.3451308 | -104.4637573 | NC |
| SS01@2.5' | 08/19/21 | 0.5 | No Staining | No Odor | Grab | 40.3453923 | -104.4634072 | NC |
| SS02@2.5' | 08/19/21 | 0.0 | No Staining | No Odor | Grab | 40.3454080 | -104.4634063 | NC |
| SS03@2.5' | 08/19/21 | 1.9 | No Staining | No Odor | Grab | 40.3453807 | -104.4633893 | NC |
| SS04@2.5' | 08/19/21 | 0.5 | No Staining | No Odor | Grab | 40.3453657 | -104.4633965 | NC |
| FS01@5' | 08/19/21 | 55 | No Staining | No Odor | Lab | 40.3453670 | -104.4634161 | NC |
| FL01A@3' | 08/19/21 | 1.5 | No Staining | No Odor | Lab | 40.3453796 | -104.4633965 | NC |
| BG01@5' | 10/14/21 | 0.0 | No Staining | No Odor | Lab | 40.3451673 | -104.4639312 | 0.9 |

Notes:

PID = Photo-ionization detector

ppm = parts per million

PDOP = Position dilution of precision

HC = Hydrocarbon

NC = Not collected

1.) Latitude and longitude coordinates will be provided in decimal degrees with an accuracy and precision of 5 decimals of a degree using the North American Datum ("NAD") of 1983

TABLE 2
SOIL ANALYTICAL DATA
NOBLE ENERGY, INC. - SMITH 21-05

| Soil Sample ID | Date | ¹ Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Total Xylenes (mg/kg) | 1,2,4 - TMB (mg/kg) | 1,3,5 - TMB (mg/kg) | Naphthalene (mg/kg) | TPH-GRO (mg/kg) | TPH-DRO (mg/kg) | TPH-ORO (mg/kg) | Acenaphthene (mg/kg) | Anthracene (mg/kg) | Benz(a) (mg/kg) | Benzo(a) (mg/kg) | Benzo(b) (mg/kg) | Benzo(k) (mg/kg) | Chrysene (mg/kg) | A,H (mg/kg) | Fluoranthene (mg/kg) | Fluorene (mg/kg) | 1,2,3-CD (mg/kg) | Pyrene (mg/kg) | 1-M (mg/kg) | 2-M (mg/kg) |
|--|----------|------------------------------|-----------------|----------------------|-----------------------|---------------------|---------------------|---------------------|-----------------|-----------------|-----------------|----------------------|--------------------|-----------------|------------------|------------------|------------------|------------------|-------------|----------------------|------------------|------------------|----------------|-------------|-------------|
| Residential SSL ² | | 1.2 | 490 | 5.8 | 58 | 30 | 27 | 2 | 500 | | | 360 | 1,800 | 1.1 | 0.11 | 1.1 | 11 | 110 | 0.11 | 240 | 240 | 1.1 | 180 | 18 | 24 |
| Protection of Groundwater SSL ^{2,3} | | 0.0026 | 0.69 | 0.78 | 9.9 | 0.0081 | 0.0087 | 0.0038 | 500 | | | 0.55 | 6 | 0.011 | 0.24 | 0.3 | 2.9 | 9 | 0.096 | 8.9 | 0.54 | 0.98 | 1.3 | 0.006 | 0.019 |
| FL01B@3' | 08/19/21 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.50 | 160 | 120 | <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 |
| FS01@5' | 08/19/21 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.50 | <50 | <50 | <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 |
| FL01A@3' | 08/19/21 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.50 | <50 | <50 | <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 |

| Soil Sample ID | Date | pH | SAR | EC (mmhos/cm) | Boron (mg/L) |
|------------------------------|----------|---------|-------|---------------|--------------|
| Residential SSL ² | | 6 - 8.3 | <6 | <4mmhos/cm | 2 |
| FL01B@3' | 08/19/21 | 8.35 | 0.700 | 0.182 | 0.1650 |
| FS01@5' | 08/19/21 | 8.23 | 0.817 | 0.337 | 0.1280 |
| FL01A@3' | 08/19/21 | 8.18 | 0.824 | 0.180 | 0.0715 |
| BG01@3' | 10/14/21 | 7.95 | NA | NA | NA |

Notes:

- Compounds referenced from 2 CCR 404-1, Table 915-1, effective January 15, 2021.
- Soil Screening Levels (SSL) referenced from EPA Regional Screening Levels (EPA RSLs) for
- SSLs are applicable if a pathway for communication with groundwater is present.

Definitions:

COGCC = Colorado Oil and Gas Conservation Commission

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics

TPH-DRO = Total petroleum hydrocarbons - diesel range organics

TPH-ORO = Total petroleum hydrocarbons - oil range organics

mg/kg = Milligrams per kilogram

SAR = Sodium Adsorption Ratio

EC = Electrical Conductivity

mmhos/cm = Millimhos per centimeter

mg/L = Milligrams per liter

< = Analytical result is less than the indicated laboratory reporting limit

Highlighted results are equal to or exceed the COGCC Table 915-1 standard

1,2,4 - TMB = 1,2,4 Trimethylbenzene

1,3,5 - TMB = 1,3,5 Trimethylbenzene

Benz(a) = Benzanthracene

Benzo(b) = Benzofluoranthene

Benzo(k) = Benzofluoranthene

Benzo(a) = Benzopyrene

A,H = Dibenzoanthracene

1,2,3-CD = Indenopyrene

1-M = 1-methylnaphthalene

2-M = 2-methylnaphthalene

NA = Not Analyzed



Legend

- Excavation Extent (Collected via Trimble GPS)
- ⊕ Soil Sample Location – Field Screen (Collected via Trimble GPS)
- ⊕ Soil Sample Location – Lab Analyzed (Collected via Trimble GPS)

Notes

- 1) All locations are approximate unless otherwise noted.
- 2) Buried infrastructure has been spatially projected.
- 3) Analytical results below laboratory detection limits or within compliance of COGCC Table 915-1 not shown.
- 4) Concentration in exceedance of COGCC table 915-1 soil standards indicated in **RED**.

GPS – Global Positioning System
 mg/kg – Milligrams per kilogram

0 ft. 20 ft. 40 ft.

Image Source: Google Earth; Google 2020

| | |
|--------------|------------|
| DATE: | 08/26/2021 |
| DESIGNED BY: | JW |
| DRAWN BY: | CA |



TASMAN
 GEOSCIENCES

Tasman Geosciences, Inc.
 6855 W 119th Avenue
 Broomfield, CO 80020

Noble Energy, Inc. – DJ Basin
 Smith 21-05 Wellhead
 NWNE, Section 5, Township 4 North, Range 63 West
 Weld County, Colorado

Wellhead Closure & Soil
 Analytical Results Map
 (08/19/2021)

FIGURE
 2

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

August 31, 2021

Jacob Whritenour

Tasman Geosciences

6855 W. 119th Ave.

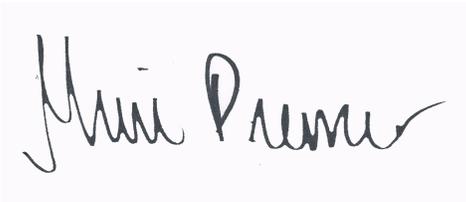
Broomfield, CO 80020

RE: Noble - Smith 21-05

Work Order #2108291

Enclosed are the results of analyses for samples received by Summit Scientific on 08/19/21 17:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Muri Premer". The signature is written in a cursive style with a large initial "M" and a long, sweeping underline.

Muri Premer For Paul Shrewsbury
President



Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - Smith 21-05

Project Number: 422119757 Task #247037

Project Manager: Jacob Whritenour

Reported:
08/31/21 14:13

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| FL01B@3' | 2108291-01 | Soil | 08/19/21 10:50 | 08/19/21 17:50 |
| FS01@5' | 2108291-02 | Soil | 08/19/21 11:10 | 08/19/21 17:50 |
| FL01A@3' | 2108291-03 | Soil | 08/19/21 11:15 | 08/19/21 17:50 |

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

2108291

S₂

4653 Table Mountain Drive ♦ Golden, Colorado 80403

303-277-9310

Client: Noble / Tasman Geosciences Project Manager: Jake Whritenour, Invoice: Wade Firestein
 Address: 6855 W. 119th Ave. E-Mail: Jwhritenour@tasman-geo.com
 City/State/Zip: Broomfield / CO / 80020
 Phone: 303-487-1228 Project Name: Smith 21-05
 Sampler Name: Kilian Collins Project Number: 422119757 Test #: 247037

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | | | Analysis Requested | | | | | | Special Instructions | |
|----|--------------------|--------------|--------------|-----------------|--------------|------|------|-------|--------|------|----------------|-------|--------------------|-----------|-----------|-----------|-------------|-------------|----------------------|-------------------|
| | | | | | HCl | HNO3 | None | Other | Water | Soil | Air-Canister # | Other | \$260 BTEX | VOC - 915 | TPH - 915 | PAH - 915 | SAR, EC, pH | Boron - HWS | | HOLD |
| 1 | FL01B@3' | 8/17/21 | 1050 | 2 | | | X | | | X | | | | X | X | X | X | X | | |
| 2 | FS01@5' | | 1110 | 2 | | | | | | | | | | | | | | | | |
| 3 | FL01A@3' | | 1115 | 2 | | | | | | | | | | | | | | | | |
| 4 | SS03@2.5' | | 1130 | 2 | | | | | | | | | | | | | | | X | Hold all analytes |
| 5 | NR001@3' | | 1215 | 1 | | | | | | | | | | | | | | | X | Hold all analytes |
| 6 | NR001@5' | | 1215 | 1 | | | | | | | | | | | | | | | X | Hold all analytes |
| 7 | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | |

| | | | |
|--|---|--|--------|
| Relinquished by: <i>Kilian Collins</i> Date/Time: 8/17/21 1655 | Received by: Tasman's Lock Box Date/Time: | Turn Around Time (Check) ___ Same Day 72 hours ___ 24 hours <input checked="" type="checkbox"/> Standard ___ 48 hours | Notes: |
| Relinquished by: Tasman's Lock Box Date/Time: 8/19/21 1750 | Received by: <i>Wally Dali</i> 8/19/21 1750 | Sample Integrity: | |
| Relinquished by: | Received by: | Temperature Upon Receipt: 10 Samples Intact: <input checked="" type="checkbox"/> Yes No | |



Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - Smith 21-05
Project Number: 422119757 Task #247037
Project Manager: Jacob Whritenour

Reported:
08/31/21 14:13

FL01B@3'
2108291-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/19/21 10:50**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | ND | 0.0020 | | mg/kg | 1 | BEH0366 | 08/20/21 | 08/21/21 | 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: **08/19/21 10:50**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 128 % | | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 114 % | | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 111 % | | 21-167 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **08/19/21 10:50**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|------------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| C10-C28 (DRO) | 160 | 50 | | mg/kg | 1 | BEH0454 | 08/25/21 | 08/27/21 | EPA 8015M | |
| C28-C36 (ORO) | 120 | 50 | | " | " | " | " | " | " | |

Date Sampled: **08/19/21 10:50**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: o-Terphenyl | | 116 % | | 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.



Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - Smith 21-05
Project Number: 422119757 Task #247037
Project Manager: Jacob Whritenour

Reported:
08/31/21 14:13

FL01B@3'
2108291-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **08/19/21 10:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BEH0394 | 08/24/21 | 08/26/21 | 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: **08/19/21 10:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 58.1 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 57.5 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **08/19/21 10:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.165 | 0.0100 | mg/L | 1 | BEH0403 | 08/24/21 | 08/25/21 | EPA 6020B | |

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

Date Sampled: **08/19/21 10:50**

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

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - Smith 21-05
Project Number: 422119757 Task #247037
Project Manager: Jacob Whritenour

Reported:
08/31/21 14:13

FL01B@3'
2108291-01 (Soil)

Summit Scientific

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

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 19.0 | 0.0548 | mg/L dry | 1 | BEH0407 | 08/24/21 | 08/26/21 | EPA 6020B | |
| Magnesium | 4.82 | 0.0548 | " | " | " | " | " | " | |
| Sodium | 13.2 | 0.0548 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **08/19/21 10:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.700 | 0.00100 | units | 1 | BEH0527 | 08/30/21 | 08/30/21 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/19/21 10:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 91.2 | | % | 1 | BEH0484 | 08/26/21 | 08/28/21 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/19/21 10:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.182 | 0.0100 | mmhos/cm | 1 | BEH0435 | 08/25/21 | 08/25/21 | EPA 120.1 | |

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

Date Sampled: **08/19/21 10:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.35 | | pH Units | 1 | BEH0434 | 08/25/21 | 08/25/21 | EPA 9045D | |

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - Smith 21-05
Project Number: 422119757 Task #247037
Project Manager: Jacob Whritenour

Reported:
08/31/21 14:13

FS01@5'
2108291-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/19/21 11:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BEH0366 | 08/20/21 | 08/21/21 | 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: **08/19/21 11:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 113 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 106 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 112 % | 21-167 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **08/19/21 11:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BEH0454 | 08/25/21 | 08/27/21 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **08/19/21 11:10**

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

PAH by EPA Method 8270D SIM

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - Smith 21-05
Project Number: 422119757 Task #247037
Project Manager: Jacob Whritenour

Reported:
08/31/21 14:13

FS01@5'
2108291-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **08/19/21 11:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BEH0394 | 08/24/21 | 08/26/21 | 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: **08/19/21 11:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 54.7 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 53.2 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **08/19/21 11:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.128 | 0.0100 | mg/L | 1 | BEH0403 | 08/24/21 | 08/25/21 | EPA 6020B | |

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

Date Sampled: **08/19/21 11:10**

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

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - Smith 21-05
Project Number: 422119757 Task #247037
Project Manager: Jacob Whritenour

Reported:
08/31/21 14:13

FS01@5'
2108291-02 (Soil)

Summit Scientific

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

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 26.1 | 0.0558 | mg/L dry | 1 | BEH0407 | 08/24/21 | 08/26/21 | EPA 6020B | |
| Magnesium | 6.76 | 0.0558 | " | " | " | " | " | " | |
| Sodium | 18.1 | 0.0558 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **08/19/21 11:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.817 | 0.00100 | units | 1 | BEH0527 | 08/30/21 | 08/30/21 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/19/21 11:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 89.6 | | % | 1 | BEH0484 | 08/26/21 | 08/28/21 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/19/21 11:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.337 | 0.0100 | mmhos/cm | 1 | BEH0435 | 08/25/21 | 08/25/21 | EPA 120.1 | |

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

Date Sampled: **08/19/21 11:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.23 | | pH Units | 1 | BEH0434 | 08/25/21 | 08/25/21 | EPA 9045D | |

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - Smith 21-05
Project Number: 422119757 Task #247037
Project Manager: Jacob Whritenour

Reported:
08/31/21 14:13

FL01A@3'
2108291-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/19/21 11:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BEH0366 | 08/20/21 | 08/21/21 | 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: **08/19/21 11:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 105 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 106 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 106 % | 21-167 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **08/19/21 11:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BEH0454 | 08/25/21 | 08/27/21 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **08/19/21 11:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 113 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - Smith 21-05
Project Number: 422119757 Task #247037
Project Manager: Jacob Whritenour

Reported:
08/31/21 14:13

FL01A@3'
2108291-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **08/19/21 11:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BEH0394 | 08/24/21 | 08/26/21 | 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: **08/19/21 11:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 60.5 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 58.3 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **08/19/21 11:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.0715 | 0.0100 | mg/L | 1 | BEH0403 | 08/24/21 | 08/25/21 | EPA 6020B | |

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

Date Sampled: **08/19/21 11:15**

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

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - Smith 21-05
Project Number: 422119757 Task #247037
Project Manager: Jacob Whritenour

Reported:
08/31/21 14:13

FL01A@3'
2108291-03 (Soil)

Summit Scientific

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

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 13.4 | 0.0578 | mg/L dry | 1 | BEH0407 | 08/24/21 | 08/26/21 | EPA 6020B | |
| Magnesium | 4.05 | 0.0578 | " | " | " | " | " | " | |
| Sodium | 13.4 | 0.0578 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **08/19/21 11:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.824 | 0.00100 | units | 1 | BEH0527 | 08/30/21 | 08/30/21 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/19/21 11:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 86.5 | | % | 1 | BEH0484 | 08/26/21 | 08/28/21 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/19/21 11:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.180 | 0.0100 | mmhos/cm | 1 | BEH0435 | 08/25/21 | 08/25/21 | EPA 120.1 | |

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

Date Sampled: **08/19/21 11:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.18 | | pH Units | 1 | BEH0434 | 08/25/21 | 08/25/21 | EPA 9045D | |

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - Smith 21-05
Project Number: 422119757 Task #247037
Project Manager: Jacob Whritenour

Reported:
08/31/21 14:13

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BEH0366 - EPA 5030 Soil MS

Blank (BEH0366-BLK1)

Prepared & Analyzed: 08/20/21

| | | | | | | | | | | |
|---|--------|--------|-------|--------|--|-----|--------|--|--|--|
| Benzene | ND | 0.0020 | mg/kg | | | | | | | |
| Toluene | ND | 0.0050 | " | | | | | | | |
| Ethylbenzene | ND | 0.0050 | " | | | | | | | |
| Xylenes (total) | ND | 0.010 | " | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | | | | | | | |
| Naphthalene | ND | 0.0038 | " | | | | | | | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | | | | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 0.0435 | | " | 0.0400 | | 109 | 23-173 | | | |
| <i>Surrogate: Toluene-d8</i> | 0.0424 | | " | 0.0400 | | 106 | 20-170 | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 0.0429 | | " | 0.0400 | | 107 | 21-167 | | | |

LCS (BEH0366-BS1)

Prepared & Analyzed: 08/20/21

| | | | | | | | | | | |
|---|--------|--------|-------|--------|--|------|--------|--|--|--|
| Benzene | 0.0710 | 0.0020 | mg/kg | 0.0750 | | 94.6 | 70-130 | | | |
| Toluene | 0.0845 | 0.0050 | " | 0.0750 | | 113 | 70-130 | | | |
| Ethylbenzene | 0.0870 | 0.0050 | " | 0.0750 | | 116 | 70-130 | | | |
| m,p-Xylene | 0.175 | 0.010 | " | 0.150 | | 117 | 70-130 | | | |
| o-Xylene | 0.0860 | 0.0050 | " | 0.0750 | | 115 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.0901 | 0.0050 | " | 0.0750 | | 120 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0879 | 0.0050 | " | 0.0750 | | 117 | 70-130 | | | |
| Naphthalene | 0.0865 | 0.0038 | " | 0.0750 | | 115 | 70-130 | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 0.0458 | | " | 0.0400 | | 114 | 23-173 | | | |
| <i>Surrogate: Toluene-d8</i> | 0.0412 | | " | 0.0400 | | 103 | 20-170 | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 0.0427 | | " | 0.0400 | | 107 | 21-167 | | | |

Matrix Spike (BEH0366-MS1)

Source: 2108261-03

Prepared & Analyzed: 08/20/21

| | | | | | | | | | | |
|---|--------|--------|-------|--------|----|------|--------|--|--|--|
| Benzene | 0.0722 | 0.0020 | mg/kg | 0.0750 | ND | 96.3 | 70-130 | | | |
| Toluene | 0.0877 | 0.0050 | " | 0.0750 | ND | 117 | 70-130 | | | |
| Ethylbenzene | 0.0893 | 0.0050 | " | 0.0750 | ND | 119 | 70-130 | | | |
| m,p-Xylene | 0.150 | 0.010 | " | 0.150 | ND | 100 | 70-130 | | | |
| o-Xylene | 0.0881 | 0.0050 | " | 0.0750 | ND | 118 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.0938 | 0.0050 | " | 0.0750 | ND | 125 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0916 | 0.0050 | " | 0.0750 | ND | 122 | 70-130 | | | |
| Naphthalene | 0.0888 | 0.0038 | " | 0.0750 | ND | 118 | 70-130 | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 0.0435 | | " | 0.0400 | | 109 | 23-173 | | | |
| <i>Surrogate: Toluene-d8</i> | 0.0418 | | " | 0.0400 | | 104 | 20-170 | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 0.0413 | | " | 0.0400 | | 103 | 21-167 | | | |

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - Smith 21-05
Project Number: 422119757 Task #247037
Project Manager: Jacob Whritenour

Reported:
08/31/21 14:13

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

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

Batch BEH0366 - EPA 5030 Soil MS

| Matrix Spike Dup (BEH0366-MSD1) | Source: 2108261-03 | | | Prepared & Analyzed: 08/20/21 | | | | | | |
|---|---------------------------|--------|----------|--|----|-------------|---------------|-------|----|--|
| Benzene | 0.0706 | 0.0020 | mg/kg | 0.0750 | ND | 94.2 | 70-130 | 2.23 | 30 | |
| Toluene | 0.0834 | 0.0050 | " | 0.0750 | ND | 111 | 70-130 | 5.05 | 30 | |
| Ethylbenzene | 0.0864 | 0.0050 | " | 0.0750 | ND | 115 | 70-130 | 3.35 | 30 | |
| m,p-Xylene | 0.143 | 0.010 | " | 0.150 | ND | 95.3 | 70-130 | 4.77 | 30 | |
| o-Xylene | 0.0856 | 0.0050 | " | 0.0750 | ND | 114 | 70-130 | 2.97 | 30 | |
| 1,2,4-Trimethylbenzene | 0.0904 | 0.0050 | " | 0.0750 | ND | 121 | 70-130 | 3.68 | 30 | |
| 1,3,5-Trimethylbenzene | 0.0877 | 0.0050 | " | 0.0750 | ND | 117 | 70-130 | 4.32 | 30 | |
| Naphthalene | 0.0880 | 0.0038 | " | 0.0750 | ND | 117 | 70-130 | 0.848 | 30 | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0391</i> | | <i>"</i> | <i>0.0400</i> | | <i>97.7</i> | <i>23-173</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.0408</i> | | <i>"</i> | <i>0.0400</i> | | <i>102</i> | <i>20-170</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.0418</i> | | <i>"</i> | <i>0.0400</i> | | <i>104</i> | <i>21-167</i> | | | |

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - Smith 21-05
Project Number: 422119757 Task #247037
Project Manager: Jacob Whritenour

Reported:
08/31/21 14:13

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BEH0454 - EPA 3550A

Blank (BEH0454-BLK1)

Prepared: 08/25/21 Analyzed: 08/27/21

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

LCS (BEH0454-BS1)

Prepared: 08/25/21 Analyzed: 08/27/21

| | | | | | | | | | | |
|---------------|-----|----|-------|-----|-----|--------|--|--|--|--|
| C10-C28 (DRO) | 569 | 50 | mg/kg | 500 | 114 | 70-130 | | | | |
|---------------|-----|----|-------|-----|-----|--------|--|--|--|--|

Matrix Spike (BEH0454-MS1)

Source: 2108334-02

Prepared: 08/25/21 Analyzed: 08/27/21

| | | | | | | | | | | |
|---------------|-----|----|-------|-----|------|-----|--------|--|--|--|
| C10-C28 (DRO) | 516 | 50 | mg/kg | 500 | 12.9 | 101 | 70-130 | | | |
|---------------|-----|----|-------|-----|------|-----|--------|--|--|--|

Matrix Spike Dup (BEH0454-MSD1)

Source: 2108334-02

Prepared: 08/25/21 Analyzed: 08/27/21

| | | | | | | | | | | |
|---------------|-----|----|-------|-----|------|-----|--------|------|----|--|
| C10-C28 (DRO) | 596 | 50 | mg/kg | 500 | 12.9 | 117 | 70-130 | 14.5 | 20 | |
|---------------|-----|----|-------|-----|------|-----|--------|------|----|--|

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - Smith 21-05
Project Number: 422119757 Task #247037
Project Manager: Jacob Whritenour

Reported:
08/31/21 14:13

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BEH0394 - EPA 5030 Soil MS

Blank (BEH0394-BLK1)

Prepared: 08/24/21 Analyzed: 08/26/21

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|--|------|--|--------|--|--|
| 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 | 0.0244 | | " | 0.0333 | | 73.2 | | 40-150 | | |
| Surrogate: Fluoranthene-d10 | 0.0237 | | " | 0.0333 | | 71.0 | | 40-150 | | |

LCS (BEH0394-BS1)

Prepared: 08/24/21 Analyzed: 08/26/21

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|--|------|--|--------|--|--|
| Acenaphthene | 0.0235 | 0.00500 | mg/kg | 0.0333 | | 70.4 | | 31-137 | | |
| Anthracene | 0.0211 | 0.00500 | " | 0.0333 | | 63.3 | | 30-120 | | |
| Benzo (a) anthracene | 0.0210 | 0.00500 | " | 0.0333 | | 63.0 | | 30-120 | | |
| Benzo (a) pyrene | 0.0235 | 0.00500 | " | 0.0333 | | 70.5 | | 30-120 | | |
| Benzo (b) fluoranthene | 0.0233 | 0.00500 | " | 0.0333 | | 70.0 | | 30-120 | | |
| Benzo (k) fluoranthene | 0.0232 | 0.00500 | " | 0.0333 | | 69.6 | | 30-120 | | |
| Chrysene | 0.0209 | 0.00500 | " | 0.0333 | | 62.7 | | 30-120 | | |
| Dibenz (a,h) anthracene | 0.0196 | 0.00500 | " | 0.0333 | | 58.9 | | 30-120 | | |
| Fluoranthene | 0.0185 | 0.00500 | " | 0.0333 | | 55.6 | | 30-120 | | |
| Fluorene | 0.0237 | 0.00500 | " | 0.0333 | | 71.0 | | 30-120 | | |
| Indeno (1,2,3-cd) pyrene | 0.0207 | 0.00500 | " | 0.0333 | | 62.0 | | 30-120 | | |
| Pyrene | 0.0178 | 0.00500 | " | 0.0333 | | 53.3 | | 35-142 | | |
| 1-Methylnaphthalene | 0.0202 | 0.00500 | " | 0.0333 | | 60.6 | | 35-142 | | |
| 2-Methylnaphthalene | 0.0196 | 0.00500 | " | 0.0333 | | 58.7 | | 35-142 | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0222 | | " | 0.0333 | | 66.7 | | 40-150 | | |
| Surrogate: Fluoranthene-d10 | 0.0193 | | " | 0.0333 | | 57.9 | | 40-150 | | |

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - Smith 21-05
Project Number: 422119757 Task #247037
Project Manager: Jacob Whritenour

Reported:
08/31/21 14:13

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BEH0394 - EPA 5030 Soil MS

| Matrix Spike (BEH0394-MS1) | Source: 2108291-01 | | | Prepared: 08/24/21 Analyzed: 08/26/21 | | | | | | | | |
|---|---------------------------|---------|----------|--|---------|-------------|---------------|--|--|--|--|--|
| Acenaphthene | 0.0242 | 0.00500 | mg/kg | 0.0333 | ND | 72.6 | 31-137 | | | | | |
| Anthracene | 0.0224 | 0.00500 | " | 0.0333 | ND | 67.1 | 30-120 | | | | | |
| Benzo (a) anthracene | 0.0246 | 0.00500 | " | 0.0333 | 0.00345 | 63.4 | 30-120 | | | | | |
| Benzo (a) pyrene | 0.0249 | 0.00500 | " | 0.0333 | ND | 74.8 | 30-120 | | | | | |
| Benzo (b) fluoranthene | 0.0270 | 0.00500 | " | 0.0333 | ND | 80.9 | 30-120 | | | | | |
| Benzo (k) fluoranthene | 0.0269 | 0.00500 | " | 0.0333 | ND | 80.7 | 30-120 | | | | | |
| Chrysene | 0.0244 | 0.00500 | " | 0.0333 | ND | 73.3 | 30-120 | | | | | |
| Dibenz (a,h) anthracene | 0.0133 | 0.00500 | " | 0.0333 | ND | 39.8 | 30-120 | | | | | |
| Fluoranthene | 0.0203 | 0.00500 | " | 0.0333 | ND | 61.0 | 30-120 | | | | | |
| Fluorene | 0.0269 | 0.00500 | " | 0.0333 | ND | 80.6 | 30-120 | | | | | |
| Indeno (1,2,3-cd) pyrene | 0.0136 | 0.00500 | " | 0.0333 | ND | 40.8 | 30-120 | | | | | |
| Pyrene | 0.0237 | 0.00500 | " | 0.0333 | ND | 71.1 | 35-142 | | | | | |
| 1-Methylnaphthalene | 0.0264 | 0.00500 | " | 0.0333 | ND | 79.1 | 15-130 | | | | | |
| 2-Methylnaphthalene | 0.0194 | 0.00500 | " | 0.0333 | ND | 58.4 | 15-130 | | | | | |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0213</i> | | <i>"</i> | <i>0.0333</i> | | <i>63.8</i> | <i>40-150</i> | | | | | |
| <i>Surrogate: Fluoranthene-d10</i> | <i>0.0206</i> | | <i>"</i> | <i>0.0333</i> | | <i>61.9</i> | <i>40-150</i> | | | | | |

| Matrix Spike Dup (BEH0394-MSD1) | Source: 2108291-01 | | | Prepared: 08/24/21 Analyzed: 08/26/21 | | | | | | | | |
|---|---------------------------|---------|----------|--|---------|-------------|---------------|-------|----|--|--|--|
| Acenaphthene | 0.0243 | 0.00500 | mg/kg | 0.0333 | ND | 72.8 | 31-137 | 0.256 | 30 | | | |
| Anthracene | 0.0185 | 0.00500 | " | 0.0333 | ND | 55.6 | 30-120 | 18.8 | 30 | | | |
| Benzo (a) anthracene | 0.0214 | 0.00500 | " | 0.0333 | 0.00345 | 54.0 | 30-120 | 13.7 | 30 | | | |
| Benzo (a) pyrene | 0.0223 | 0.00500 | " | 0.0333 | ND | 67.0 | 30-120 | 11.0 | 30 | | | |
| Benzo (b) fluoranthene | 0.0247 | 0.00500 | " | 0.0333 | ND | 74.0 | 30-120 | 8.89 | 30 | | | |
| Benzo (k) fluoranthene | 0.0247 | 0.00500 | " | 0.0333 | ND | 74.2 | 30-120 | 8.41 | 30 | | | |
| Chrysene | 0.0214 | 0.00500 | " | 0.0333 | ND | 64.2 | 30-120 | 13.3 | 30 | | | |
| Dibenz (a,h) anthracene | 0.0107 | 0.00500 | " | 0.0333 | ND | 32.1 | 30-120 | 21.4 | 30 | | | |
| Fluoranthene | 0.0169 | 0.00500 | " | 0.0333 | ND | 50.8 | 30-120 | 18.2 | 30 | | | |
| Fluorene | 0.0261 | 0.00500 | " | 0.0333 | ND | 78.2 | 30-120 | 3.05 | 30 | | | |
| Indeno (1,2,3-cd) pyrene | 0.0109 | 0.00500 | " | 0.0333 | ND | 32.7 | 30-120 | 21.9 | 30 | | | |
| Pyrene | 0.0252 | 0.00500 | " | 0.0333 | ND | 75.5 | 35-142 | 6.05 | 30 | | | |
| 1-Methylnaphthalene | 0.0304 | 0.00500 | " | 0.0333 | ND | 91.3 | 15-130 | 14.3 | 50 | | | |
| 2-Methylnaphthalene | 0.0195 | 0.00500 | " | 0.0333 | ND | 58.6 | 15-130 | 0.369 | 50 | | | |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0183</i> | | <i>"</i> | <i>0.0333</i> | | <i>55.0</i> | <i>40-150</i> | | | | | |
| <i>Surrogate: Fluoranthene-d10</i> | <i>0.0169</i> | | <i>"</i> | <i>0.0333</i> | | <i>50.7</i> | <i>40-150</i> | | | | | |

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - Smith 21-05
Project Number: 422119757 Task #247037
Project Manager: Jacob Whritenour

Reported:
08/31/21 14:13

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

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

Batch BEH0403 - EPA 3050B

Blank (BEH0403-BLK1)

Prepared: 08/24/21 Analyzed: 08/25/21

Boron ND 0.0100 mg/L

LCS (BEH0403-BS1)

Prepared: 08/24/21 Analyzed: 08/25/21

Boron 4.90 0.0100 mg/L 5.00 98.1 80-120

Duplicate (BEH0403-DUP1)

Source: 2108285-01

Prepared: 08/24/21 Analyzed: 08/25/21

Boron 0.143 0.0100 mg/L 0.149 4.46 20

Matrix Spike (BEH0403-MS1)

Source: 2108285-01

Prepared: 08/24/21 Analyzed: 08/25/21

Boron 5.47 0.0100 mg/L 5.00 0.149 106 75-125

Matrix Spike Dup (BEH0403-MSD1)

Source: 2108285-01

Prepared: 08/24/21 Analyzed: 08/25/21

Boron 4.74 0.0100 mg/L 5.00 0.149 91.7 75-125 14.3 25

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - Smith 21-05

Project Number: 422119757 Task #247037

Project Manager: Jacob Whritenour

Reported:
08/31/21 14:13

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

Summit Scientific

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

Batch BEH0407 - General Preparation

Blank (BEH0407-BLK1)

Prepared: 08/24/21 Analyzed: 08/26/21

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

LCS (BEH0407-BS1)

Prepared: 08/24/21 Analyzed: 08/26/21

| | | | | | | | | | | |
|-----------|------|--------|----------|------|------|--------|--|--|--|--|
| Calcium | 5.28 | 0.0500 | mg/L wet | 5.00 | 106 | 70-130 | | | | |
| Magnesium | 5.58 | 0.0500 | " | 5.00 | 112 | 70-130 | | | | |
| Sodium | 4.87 | 0.0500 | " | 5.00 | 97.4 | 70-130 | | | | |

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - Smith 21-05

Project Number: 422119757 Task #247037

Project Manager: Jacob Whritenour

Reported:
08/31/21 14:13

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

Summit Scientific

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

Batch BEH0484 - General Preparation

| Duplicate (BEH0484-DUP1) | Source: 2108219-04 | Prepared: 08/26/21 | Analyzed: 08/28/21 |
|--------------------------|--------------------|--------------------|--------------------|
| % Solids | 93.5 | % | 93.5 |
| | | | 0.00691 |
| | | | 20 |

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - Smith 21-05
Project Number: 422119757 Task #247037
Project Manager: Jacob Whritenour

Reported:
08/31/21 14:13

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

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

Batch BEH0435 - General Preparation

Blank (BEH0435-BLK1)

Prepared & Analyzed: 08/25/21

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BEH0435-BS1)

Prepared & Analyzed: 08/25/21

Specific Conductance (EC) 0.139 0.0100 mmhos/cm 0.150 92.7 90-110

Duplicate (BEH0435-DUP1)

Source: 2108234-01

Prepared & Analyzed: 08/25/21

Specific Conductance (EC) 3.78 0.0100 mmhos/cm 3.78 0.0529 20

Summit Scientific



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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - Smith 21-05

Project Number: 422119757 Task #247037

Project Manager: Jacob Whritenour

Reported:
08/31/21 14:13

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

Summit Scientific

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

Batch BEH0434 - General Preparation

LCS (BEH0434-BS1)

Prepared & Analyzed: 08/25/21

pH 9.22 pH Units 9.21 100 95-105

Duplicate (BEH0434-DUP1)

Source: 2108285-01

Prepared & Analyzed: 08/25/21

pH 8.16 pH Units 8.15 0.123 20

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - Smith 21-05
Project Number: 422119757 Task #247037
Project Manager: Jacob Whritenour

Reported:
08/31/21 14:13

Notes and Definitions

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

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

October 22, 2021

Jacob Whritenour

Tasman Geosciences

6855 W. 119th Ave.

Broomfield, CO 80020

RE: Noble - Smith 21-05

Work Order #2110243

Enclosed are the results of analyses for samples received by Summit Scientific on 10/14/21 15:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Muri Premer". The signature is written in a cursive style with a large initial "M" and a long, sweeping underline.

Muri Premer For Paul Shrewsbury
President



Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - Smith 21-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
10/22/21 14:02

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| BG01@3' | 2110243-01 | Soil | 10/14/21 13:30 | 10/14/21 15:45 |

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

2110243

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

Client: Noble / Tasman Geosciences Project Manager: Jake Whritenour, Invoice: Jacob Evans
 Address: 6855 W. 119th Ave. E-Mail: Jwhritenour@tasman-geo.com
 City/State/Zip: Broomfield / CO/ 80020
 Phone: 303-487-1228 Project Name: Smith 21-05
 Sampler Name: Daniel Qua Project Number:

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | | | Analysis Requested | | | | | | | | Special Instructions | |
|----|--------------------|--------------|--------------|-----------------|--------------|------|------|-------|--------|------|----------------|-------|--------------------|-----------|-----------|-----------|-------------|-------------|------|----|----------------------|-----------------------|
| | | | | | HCl | HNO3 | None | Other | Water | Soil | Air-Canister # | Other | 8260 BTEX | VOC - 915 | TPH - 915 | PAH - 915 | SAR, EC, pH | Boron - HWS | HOLD | pH | | |
| 1 | BG01 @ 3' | 10/14/21 | 1330 | 1 | | | X | | | X | | | | | | | | | | | | pH by saturated paste |
| 2 | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | |
|---|--------------------------|--|--------------------------|--|--------|
| Relinquished by:  | Date/Time: 10/14/21 1545 | Received by: Tasman's Lock Box | Date/Time: 10/14/21 1545 | Turn Around Time (Check) ___ Same Day 72 hours ___ 24 hours <input checked="" type="checkbox"/> Standard ___ 48 hours ___ | Notes: |
| Relinquished by: Tasman's Lock Box | Date/Time: | Received by:  | Date/Time: 10.14.21 1545 | Sample Integrity: | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Temperature Upon Receipt: 11.1 Samples Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |

S₂

2110243

Sample Receipt Checklist

S2 Work Order# _____

Client: NOBLE/TASMAN Client Project ID: Smith 21-05

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

Matrix (check all that apply): Air Soil/Solid Water Other: _____
(Describe)

| | |
|-----------|-------------|
| Temp (°C) | <u>11.1</u> |
|-----------|-------------|

Thermometer ID: G86A9201901378

| | Yes | No | N/A | Comments (if any) |
|--|-------------------------------------|-------------------------------------|-------------------------------------|-------------------|
| If samples require cooling, was the temperature at 4°C +/- 2°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"/> | <u>on ICE</u> |
| 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"/> | |
| If custody seals are present, are they intact ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Are samples with holding times due within 48 hours sample due within 48 hours present? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 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"/> | |
| Is the COC properly relinquished by the client w/ date and time recorded ⁽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, H2SO4, NaOH, HNO3, 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.

[Signature]
Custodian Printed Name or Initials

10.14.21
Date/Time



Tasman Geosciences
 6855 W. 119th Ave.
 Broomfield CO, 80020

Project: Noble - Smith 21-05

Project Number: [none]
 Project Manager: Jacob Whritenour

Reported:
 10/22/21 14:02

BG01@3'
2110243-01 (Soil)

Summit Scientific

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

Date Sampled: **10/14/21 13:30**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| pH | 7.95 | | pH Units | 1 | BEJ0283 | 10/15/21 | 10/15/21 | 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.



Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - Smith 21-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
10/22/21 14:02

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

Summit Scientific

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

Batch BEJ0283 - General Preparation

LCS (BEJ0283-BS1)

Prepared & Analyzed: 10/15/21

pH 9.18 pH Units 9.18 100 95-105

Duplicate (BEJ0283-DUP1)

Source: 2110241-01

Prepared & Analyzed: 10/15/21

pH 8.15 pH Units 8.10 0.615 20

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - Smith 21-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
10/22/21 14:02

Notes and Definitions

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