

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

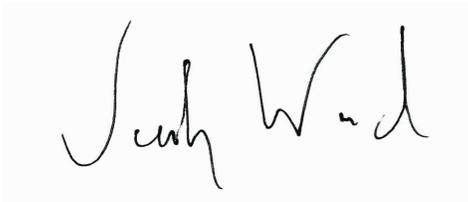
303.277.9310

February 19, 2025

Daniel Simpson
Tasman Geosciences
6855 W. 119th Ave.
Broomfield, CO 80020
RE: Noble - DR. Joe CC06-09 FL
Work Order #2501247

Enclosed are the results of analyses for samples received by Summit Scientific on 01/16/25 18:06. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink that reads "Jacob Wood". The signature is written in a cursive style with a large initial "J" and a long, sweeping underline.

Jacob Wood For Paul Shrewsbury
President



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

Project: Noble - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
 Project Manager: Daniel Simpson

Reported:
 02/19/25 11:02

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------------|---------------|--------|----------------|----------------|
| BKG01@0-6" | 2501247-01 | Soil | 01/16/25 11:04 | 01/16/25 18:06 |
| BKG01@1' | 2501247-02 | Soil | 01/16/25 11:11 | 01/16/25 18:06 |
| BKG01@2' | 2501247-03 | Soil | 01/16/25 11:13 | 01/16/25 18:06 |
| BKG01@2.5' | 2501247-04 | Soil | 01/16/25 11:15 | 01/16/25 18:06 |
| BKG01@3' | 2501247-05 | Soil | 01/16/25 11:20 | 01/16/25 18:06 |
| BKG01@4' | 2501247-06 | Soil | 01/16/25 11:24 | 01/16/25 18:06 |
| BKG01@5' | 2501247-07 | Soil | 01/16/25 11:28 | 01/16/25 18:06 |
| BKG01@6' | 2501247-08 | Soil | 01/16/25 11:32 | 01/16/25 18:06 |
| BKG02@0-6" | 2501247-09 | Soil | 01/16/25 11:38 | 01/16/25 18:06 |
| BKG02@1' | 2501247-10 | Soil | 01/16/25 11:40 | 01/16/25 18:06 |
| BKG02@2' | 2501247-11 | Soil | 01/16/25 11:42 | 01/16/25 18:06 |
| BKG02@3' | 2501247-12 | Soil | 01/16/25 11:50 | 01/16/25 18:06 |
| BKG02@4' | 2501247-13 | Soil | 01/16/25 11:54 | 01/16/25 18:06 |
| BKG02@5' | 2501247-14 | Soil | 01/16/25 11:58 | 01/16/25 18:06 |
| BKG02@2.5' | 2501247-15 | Soil | 01/16/25 11:46 | 01/16/25 18:06 |
| FS01-FL01-09@5' | 2501247-16 | Soil | 01/16/25 14:25 | 01/16/25 18:06 |
| SS01-FL01R-W@4' | 2501247-17 | Soil | 01/16/25 14:38 | 01/16/25 18:06 |
| SS02-FL01R-W@4' | 2501247-18 | Soil | 01/16/25 14:42 | 01/16/25 18:06 |
| SS03-FL01R-W@4' | 2501247-19 | Soil | 01/16/25 14:45 | 01/16/25 18:06 |
| SS04-FL01R-W@4' | 2501247-20 | Soil | 01/16/25 14:49 | 01/16/25 18:06 |

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.

S₂

Sample Receipt Checklist

S2 Work Order# 2501247

2/2

Client: Tarman Client Project ID: Dr Joe CCAL-09 FL

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

Matrix (Circle all that apply) Air/Soil/Water/Other Temp (°C) 2.1 Thermometer # 1

Bottle ware (Circle all that apply) Glass/Jar/Voa/Amber/Poly/Other

| | 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. | - | | | on ZOE |
| If custody seals are present, are they intact? ⁽¹⁾ | - | | | |
| Are samples due within 48 hours? | - | | | same day |
| 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, Total Residual Chlorine (TRC) | | - | | |
| Is a chain-of-custody (COC) form present and filled out Completely? ⁽¹⁾ | | - | | |
| Is the COC properly relinquished by the client w/ date and time recorded? ⁽¹⁾ | | - | | NO TIME |
| Were all samples received intact? ⁽¹⁾ | ✓ | | | |
| Was adequate sample volume provided? ⁽¹⁾ | ✓ | | | |
| Were samples provided in appropriate bottle ware? | ✓ | | | |
| Does the COC agree with the number and type of sample bottles received? ⁽¹⁾ | ✓ | | | |
| Do the sample IDs on the bottle labels match the COC? ⁽¹⁾ | ✓ | | | |
| For volatiles in water – is there headspace present? If yes, contact client and note in narrative. | | | ✓ | |
| Are any samples/bottles preserved (excluding cooling)? ⁽¹⁾ Note the type of preservative in the comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc. | | | ✓ | |
| If samples are acid preserved for metals, is the pH ≤ 2? ⁽¹⁾ Record the pH in Comments. | | | ✓ | |
| If dissolved metals are requested, were samples field filtered? | | | ✓ | |
| Are there requested analysis that cannot be performed by S2? Note analysis in the comments column | | ✓ | | |
| Additional Comments (if any): | | | | |
| | | | | |
| | | | | |
| ⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative. | | | | |

Control Form #: SRC-001

AS

Custodian Printed Name

1/21/25
Date/Time



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

Project: Noble - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

BKG01@0-6"
2501247-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/16/25 11:04**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Boron | ND | 2.00 | | mg/L | 1 | BIB0906 | 02/18/25 | 02/18/25 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/16/25 11:04**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|--|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Arsenic | 1.74 | 0.200 | | mg/kg dry | 1 | BIA0807 | 01/17/25 | 01/20/25 | EPA 6020B | |
| Barium | 56.8 | 0.400 | | " | " | " | " | " | " | |
| Cadmium | ND | 0.200 | | " | " | " | " | " | " | |
| Copper | 6.29 | 0.400 | | " | " | " | " | " | " | |
| Lead | 5.31 | 0.200 | | " | " | " | " | " | " | |
| Nickel | 3.28 | 0.400 | | " | " | " | " | " | " | |
| Silver | 0.0220 | 0.0200 | | " | " | " | " | " | " | |
| Zinc | 37.3 | 0.400 | | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/16/25 11:04**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|--|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BIA0814 | 01/17/25 | 01/17/25 | EPA 7196A | |

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

Date Sampled: **01/16/25 11:04**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------|--|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Calcium | 25.5 | 0.0500 | | mg/L dry | 1 | BIB0297 | 02/06/25 | 02/13/25 | EPA 6020B | |
| Magnesium | 8.56 | 0.0500 | | " | " | " | " | " | " | |
| Sodium | 76.6 | 0.0500 | | " | " | " | " | " | " | |

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 - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

**BKG01@0-6''
2501247-01 (Soil)**

Summit Scientific

Calculated Analysis

Date Sampled: **01/16/25 11:04**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 3.35 | 0.00100 | units | 1 | BIB0707 | 02/13/25 | 02/13/25 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/16/25 11:04**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 88.5 | | % | 1 | BIA0810 | 01/17/25 | 01/17/25 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/16/25 11:04**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.224 | 0.0100 | mmhos/cm | 1 | BIB0299 | 02/06/25 | 02/07/25 | EPA 120.1 | |

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

Date Sampled: **01/16/25 11:04**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.44 | | pH Units | 1 | BIB0303 | 02/06/25 | 02/07/25 | 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 - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

BKG01@1'
2501247-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/16/25 11:11**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Boron | ND | 2.00 | mg/L | 1 | BIB0906 | 02/18/25 | 02/18/25 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/16/25 11:11**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 1.75 | 0.200 | mg/kg dry | 1 | BIA0807 | 01/17/25 | 01/20/25 | EPA 6020B | |
| Barium | 44.2 | 0.400 | " | " | " | " | " | " | |
| Cadmium | ND | 0.200 | " | " | " | " | " | " | |
| Copper | 5.23 | 0.400 | " | " | " | " | " | " | |
| Lead | 5.41 | 0.200 | " | " | " | " | " | " | |
| Nickel | 3.11 | 0.400 | " | " | " | " | " | " | |
| Silver | 0.0225 | 0.0200 | " | " | " | " | " | " | |
| Zinc | 27.6 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/16/25 11:11**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BIA0814 | 01/17/25 | 01/17/25 | EPA 7196A | |

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

Date Sampled: **01/16/25 11:11**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Calcium | 61.8 | 0.0500 | mg/L dry | 1 | BIB0297 | 02/06/25 | 02/13/25 | EPA 6020B | |
| Magnesium | 7.66 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 9.59 | 0.0500 | " | " | " | " | " | " | |

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 - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

BKG01@1'
2501247-02 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **01/16/25 11:11**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.306 | 0.00100 | units | 1 | BIB0707 | 02/13/25 | 02/13/25 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/16/25 11:11**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|-------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 91.1 | | % | 1 | BIA0810 | 01/17/25 | 01/17/25 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/16/25 11:11**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.203 | 0.0100 | mmhos/cm | 1 | BIB0299 | 02/06/25 | 02/07/25 | EPA 120.1 | |

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

Date Sampled: **01/16/25 11:11**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.60 | | pH Units | 1 | BIB0303 | 02/06/25 | 02/07/25 | 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 - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

BKG01@2'
2501247-03 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/16/25 11:13**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Boron | ND | 2.00 | mg/L | 1 | BIB0906 | 02/18/25 | 02/18/25 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/16/25 11:13**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|---------------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 2.03 | 0.200 | mg/kg dry | 1 | BIA0807 | 01/17/25 | 01/20/25 | EPA 6020B | |
| Barium | 48.3 | 0.400 | " | " | " | " | " | " | |
| Cadmium | ND | 0.200 | " | " | " | " | " | " | |
| Copper | 3.90 | 0.400 | " | " | " | " | " | " | |
| Lead | 5.18 | 0.200 | " | " | " | " | " | " | |
| Nickel | 3.28 | 0.400 | " | " | " | " | " | " | |
| Silver | 0.0418 | 0.0200 | " | " | " | " | " | " | |
| Zinc | 19.2 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/16/25 11:13**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BIA0814 | 01/17/25 | 01/17/25 | EPA 7196A | |

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

Date Sampled: **01/16/25 11:13**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Calcium | 188 | 0.0500 | mg/L dry | 1 | BIB0297 | 02/06/25 | 02/13/25 | EPA 6020B | |
| Magnesium | 8.63 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 44.0 | 0.0500 | " | " | " | " | " | " | |

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 - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

BKG01@2'
2501247-03 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **01/16/25 11:13**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.852 | 0.00100 | units | 1 | BIB0707 | 02/13/25 | 02/13/25 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/16/25 11:13**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|-------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 95.6 | | % | 1 | BIA0810 | 01/17/25 | 01/17/25 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/16/25 11:13**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.769 | 0.0100 | mmhos/cm | 1 | BIB0299 | 02/06/25 | 02/07/25 | EPA 120.1 | |

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

Date Sampled: **01/16/25 11:13**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.42 | | pH Units | 1 | BIB0303 | 02/06/25 | 02/07/25 | 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 - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

BKG01@2.5'
2501247-04 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/16/25 11:15**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Boron | ND | 2.00 | mg/L | 1 | BIB0906 | 02/18/25 | 02/18/25 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/16/25 11:15**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------|-------------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 1.39 | 0.200 | mg/kg dry | 1 | BIA0807 | 01/17/25 | 01/20/25 | EPA 6020B | |
| Barium | 41.8 | 0.400 | " | " | " | " | " | " | |
| Cadmium | ND | 0.200 | " | " | " | " | " | " | |
| Copper | 2.89 | 0.400 | " | " | " | " | " | " | |
| Lead | 3.93 | 0.200 | " | " | " | " | " | " | |
| Nickel | 2.72 | 0.400 | " | " | " | " | " | " | |
| Silver | ND | 0.0200 | " | " | " | " | " | " | |
| Zinc | 13.9 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/16/25 11:15**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BIA0814 | 01/17/25 | 01/17/25 | EPA 7196A | |

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

Date Sampled: **01/16/25 11:15**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------|-------------|-----------|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Calcium | 38.8 | 0.0500 | mg/L dry | 1 | BIB0297 | 02/06/25 | 02/13/25 | EPA 6020B | |
| Magnesium | 12.4 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 86.8 | 0.0500 | " | " | " | " | " | " | |

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 - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

BKG01@2.5'
2501247-04 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **01/16/25 11:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 3.11 | 0.00100 | units | 1 | BIB0707 | 02/13/25 | 02/13/25 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/16/25 11:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 95.8 | | % | 1 | BIA0810 | 01/17/25 | 01/17/25 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/16/25 11:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.902 | 0.0100 | mmhos/cm | 1 | BIB0299 | 02/06/25 | 02/07/25 | EPA 120.1 | |

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

Date Sampled: **01/16/25 11:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.19 | | pH Units | 1 | BIB0303 | 02/06/25 | 02/07/25 | 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 - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

BKG01@3'
2501247-05 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/16/25 11:20**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Boron | ND | 2.00 | mg/L | 1 | BIB0906 | 02/18/25 | 02/18/25 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/16/25 11:20**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|---------------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 1.68 | 0.200 | mg/kg dry | 1 | BIA0807 | 01/17/25 | 01/20/25 | EPA 6020B | |
| Barium | 64.5 | 0.400 | " | " | " | " | " | " | |
| Cadmium | ND | 0.200 | " | " | " | " | " | " | |
| Copper | 3.26 | 0.400 | " | " | " | " | " | " | |
| Lead | 4.71 | 0.200 | " | " | " | " | " | " | |
| Nickel | 3.29 | 0.400 | " | " | " | " | " | " | |
| Silver | 0.0263 | 0.0200 | " | " | " | " | " | " | |
| Zinc | 12.1 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/16/25 11:20**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BIA0814 | 01/17/25 | 01/17/25 | EPA 7196A | |

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

Date Sampled: **01/16/25 11:20**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Calcium | 46.5 | 0.0500 | mg/L dry | 1 | BIB0297 | 02/06/25 | 02/13/25 | EPA 6020B | |
| Magnesium | 17.7 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 95.9 | 0.0500 | " | " | " | " | " | " | |

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 - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

BKG01@3'
2501247-05 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **01/16/25 11:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 3.04 | 0.00100 | units | 1 | BIB0707 | 02/13/25 | 02/13/25 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/16/25 11:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 97.1 | | % | 1 | BIA0810 | 01/17/25 | 01/17/25 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/16/25 11:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.566 | 0.0100 | mmhos/cm | 1 | BIB0299 | 02/06/25 | 02/07/25 | EPA 120.1 | |

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

Date Sampled: **01/16/25 11:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.48 | | pH Units | 1 | BIB0303 | 02/06/25 | 02/07/25 | 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 - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

BKG01@4'
2501247-06 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/16/25 11:24**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Boron | ND | 2.00 | mg/L | 1 | BIB0906 | 02/18/25 | 02/18/25 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/16/25 11:24**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------|-------------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 1.31 | 0.200 | mg/kg dry | 1 | BIA0807 | 01/17/25 | 01/20/25 | EPA 6020B | |
| Barium | 33.8 | 0.400 | " | " | " | " | " | " | |
| Cadmium | ND | 0.200 | " | " | " | " | " | " | |
| Copper | 1.85 | 0.400 | " | " | " | " | " | " | |
| Lead | 3.37 | 0.200 | " | " | " | " | " | " | |
| Nickel | 2.09 | 0.400 | " | " | " | " | " | " | |
| Silver | ND | 0.0200 | " | " | " | " | " | " | |
| Zinc | 9.80 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/16/25 11:24**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BIA0814 | 01/17/25 | 01/17/25 | EPA 7196A | |

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

Date Sampled: **01/16/25 11:24**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------|-------------|-----------|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Calcium | 21.8 | 0.0500 | mg/L dry | 1 | BIB0297 | 02/06/25 | 02/13/25 | EPA 6020B | |
| Magnesium | 9.78 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 62.5 | 0.0500 | " | " | " | " | " | " | |

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 - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

BKG01@4'
2501247-06 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **01/16/25 11:24**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 2.79 | 0.00100 | units | 1 | BIB0707 | 02/13/25 | 02/13/25 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/16/25 11:24**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 96.5 | | % | 1 | BIA0810 | 01/17/25 | 01/17/25 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/16/25 11:24**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.613 | 0.0100 | mmhos/cm | 1 | BIB0299 | 02/06/25 | 02/07/25 | EPA 120.1 | |

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

Date Sampled: **01/16/25 11:24**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.37 | | pH Units | 1 | BIB0303 | 02/06/25 | 02/07/25 | 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 - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

BKG01@5'
2501247-07 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/16/25 11:28**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Boron | ND | 2.00 | mg/L | 1 | BIB0906 | 02/18/25 | 02/18/25 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/16/25 11:28**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------|-------------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 1.69 | 0.200 | mg/kg dry | 1 | BIA0807 | 01/17/25 | 01/20/25 | EPA 6020B | |
| Barium | 38.8 | 0.400 | " | " | " | " | " | " | |
| Cadmium | ND | 0.200 | " | " | " | " | " | " | |
| Copper | 3.00 | 0.400 | " | " | " | " | " | " | |
| Lead | 3.90 | 0.200 | " | " | " | " | " | " | |
| Nickel | 3.19 | 0.400 | " | " | " | " | " | " | |
| Silver | ND | 0.0200 | " | " | " | " | " | " | |
| Zinc | 13.8 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/16/25 11:28**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BIA0814 | 01/17/25 | 01/17/25 | EPA 7196A | |

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

Date Sampled: **01/16/25 11:28**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------|-------------|-----------|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Calcium | 25.0 | 0.0500 | mg/L dry | 1 | BIB0297 | 02/06/25 | 02/13/25 | EPA 6020B | |
| Magnesium | 7.32 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 86.9 | 0.0500 | " | " | " | " | " | " | |

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 - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

BKG01@5'
2501247-07 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **01/16/25 11:28**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 3.93 | 0.00100 | units | 1 | BIB0707 | 02/13/25 | 02/13/25 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/16/25 11:28**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 96.0 | | % | 1 | BIA0810 | 01/17/25 | 01/17/25 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/16/25 11:28**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.650 | 0.0100 | mmhos/cm | 1 | BIB0299 | 02/06/25 | 02/07/25 | EPA 120.1 | |

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

Date Sampled: **01/16/25 11:28**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.24 | | pH Units | 1 | BIB0303 | 02/06/25 | 02/07/25 | 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 - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

BKG01@6'
2501247-08 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/16/25 11:32**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Boron | ND | 2.00 | mg/L | 1 | BIB0906 | 02/18/25 | 02/18/25 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/16/25 11:32**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------|-------------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 1.37 | 0.200 | mg/kg dry | 1 | BIA0807 | 01/17/25 | 01/20/25 | EPA 6020B | |
| Barium | 35.1 | 0.400 | " | " | " | " | " | " | |
| Cadmium | ND | 0.200 | " | " | " | " | " | " | |
| Copper | 2.58 | 0.400 | " | " | " | " | " | " | |
| Lead | 3.87 | 0.200 | " | " | " | " | " | " | |
| Nickel | 2.45 | 0.400 | " | " | " | " | " | " | |
| Silver | ND | 0.0200 | " | " | " | " | " | " | |
| Zinc | 13.1 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/16/25 11:32**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BIA0814 | 01/17/25 | 01/17/25 | EPA 7196A | |

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

Date Sampled: **01/16/25 11:32**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------|-------------|-----------|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Calcium | 25.8 | 0.0500 | mg/L dry | 1 | BIB0297 | 02/06/25 | 02/13/25 | EPA 6020B | |
| Magnesium | 9.98 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 87.5 | 0.0500 | " | " | " | " | " | " | |

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 - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

BKG01@6'
2501247-08 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **01/16/25 11:32**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 3.71 | 0.00100 | units | 1 | BIB0707 | 02/13/25 | 02/13/25 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/16/25 11:32**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 92.2 | | % | 1 | BIA0810 | 01/17/25 | 01/17/25 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/16/25 11:32**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.647 | 0.0100 | mmhos/cm | 1 | BIB0299 | 02/06/25 | 02/07/25 | EPA 120.1 | |

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

Date Sampled: **01/16/25 11:32**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.57 | | pH Units | 1 | BIB0303 | 02/06/25 | 02/07/25 | 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 - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

BKG02@0-6''
2501247-09 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/16/25 11:38**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Boron | ND | 2.00 | mg/L | 1 | BIB0906 | 02/18/25 | 02/18/25 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/16/25 11:38**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|---------------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 2.81 | 0.200 | mg/kg dry | 1 | BIA0807 | 01/17/25 | 01/20/25 | EPA 6020B | |
| Barium | 79.1 | 0.400 | " | " | " | " | " | " | |
| Cadmium | 0.210 | 0.200 | " | " | " | " | " | " | |
| Copper | 5.31 | 0.400 | " | " | " | " | " | " | |
| Lead | 7.43 | 0.200 | " | " | " | " | " | " | |
| Nickel | 4.32 | 0.400 | " | " | " | " | " | " | |
| Silver | 0.0350 | 0.0200 | " | " | " | " | " | " | |
| Zinc | 25.1 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/16/25 11:38**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BIA0814 | 01/17/25 | 01/17/25 | EPA 7196A | |

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

Date Sampled: **01/16/25 11:38**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Calcium | 25.9 | 0.0500 | mg/L dry | 1 | BIB0297 | 02/06/25 | 02/13/25 | EPA 6020B | |
| Magnesium | 9.40 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 87.6 | 0.0500 | " | " | " | " | " | " | |

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 - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

BKG02@0-6''
2501247-09 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **01/16/25 11:38**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 3.75 | 0.00100 | units | 1 | BIB0707 | 02/13/25 | 02/13/25 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/16/25 11:38**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 89.8 | | % | 1 | BIA0810 | 01/17/25 | 01/17/25 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/16/25 11:38**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.781 | 0.0100 | mmhos/cm | 1 | BIB0299 | 02/06/25 | 02/07/25 | EPA 120.1 | |

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

Date Sampled: **01/16/25 11:38**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.53 | | pH Units | 1 | BIB0303 | 02/06/25 | 02/07/25 | 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 - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

BKG02@1'
2501247-10 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/16/25 11:40**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Boron | ND | 2.00 | mg/L | 1 | BIB0906 | 02/18/25 | 02/18/25 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/16/25 11:40**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 2.62 | 0.200 | mg/kg dry | 1 | BIA0807 | 01/17/25 | 01/20/25 | EPA 6020B | |
| Barium | 75.9 | 0.400 | " | " | " | " | " | " | |
| Cadmium | 0.202 | 0.200 | " | " | " | " | " | " | |
| Copper | 5.48 | 0.400 | " | " | " | " | " | " | |
| Lead | 7.30 | 0.200 | " | " | " | " | " | " | |
| Nickel | 4.33 | 0.400 | " | " | " | " | " | " | |
| Silver | 0.0298 | 0.0200 | " | " | " | " | " | " | |
| Zinc | 25.7 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/16/25 11:40**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BIA0814 | 01/17/25 | 01/17/25 | EPA 7196A | |

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

Date Sampled: **01/16/25 11:40**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Calcium | 53.9 | 0.0500 | mg/L dry | 1 | BIB0297 | 02/06/25 | 02/13/25 | EPA 6020B | |
| Magnesium | 22.3 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 113 | 0.0500 | " | " | " | " | " | " | |

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 - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

BKG02@1'
2501247-10 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **01/16/25 11:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 3.27 | 0.00100 | units | 1 | BIB0707 | 02/13/25 | 02/13/25 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/16/25 11:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 92.2 | | % | 1 | BIA0810 | 01/17/25 | 01/17/25 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/16/25 11:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.432 | 0.0100 | mmhos/cm | 1 | BIB0299 | 02/06/25 | 02/07/25 | EPA 120.1 | |

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

Date Sampled: **01/16/25 11:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.12 | | pH Units | 1 | BIB0303 | 02/06/25 | 02/07/25 | 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 - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

BKG02@2'
2501247-11 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/16/25 11:42**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Boron | ND | 2.00 | mg/L | 1 | BIB0906 | 02/18/25 | 02/18/25 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/16/25 11:42**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------|-------------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 1.67 | 0.200 | mg/kg dry | 1 | BIA0807 | 01/17/25 | 01/20/25 | EPA 6020B | |
| Barium | 48.0 | 0.400 | " | " | " | " | " | " | |
| Cadmium | ND | 0.200 | " | " | " | " | " | " | |
| Copper | 2.38 | 0.400 | " | " | " | " | " | " | |
| Lead | 3.84 | 0.200 | " | " | " | " | " | " | |
| Nickel | 2.73 | 0.400 | " | " | " | " | " | " | |
| Silver | ND | 0.0200 | " | " | " | " | " | " | |
| Zinc | 10.7 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/16/25 11:42**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BIA0814 | 01/17/25 | 01/17/25 | EPA 7196A | |

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

Date Sampled: **01/16/25 11:42**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------|-------------|-----------|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Calcium | 20.4 | 0.0500 | mg/L dry | 1 | BIB0297 | 02/06/25 | 02/13/25 | EPA 6020B | |
| Magnesium | 6.12 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 60.5 | 0.0500 | " | " | " | " | " | " | |

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 - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

BKG02@2'
2501247-11 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **01/16/25 11:42**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 3.02 | 0.00100 | units | 1 | BIB0707 | 02/13/25 | 02/13/25 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/16/25 11:42**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 97.2 | | % | 1 | BIA0810 | 01/17/25 | 01/17/25 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/16/25 11:42**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.754 | 0.0100 | mmhos/cm | 1 | BIB0299 | 02/06/25 | 02/07/25 | EPA 120.1 | |

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

Date Sampled: **01/16/25 11:42**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.34 | | pH Units | 1 | BIB0303 | 02/06/25 | 02/07/25 | 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 - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

BKG02@3'
2501247-12 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/16/25 11:50**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Boron | ND | 2.00 | | mg/L | 1 | BIB0906 | 02/18/25 | 02/18/25 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/16/25 11:50**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|--|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Arsenic | 2.75 | 0.200 | | mg/kg dry | 1 | BIA0807 | 01/17/25 | 01/20/25 | EPA 6020B | |
| Barium | 84.6 | 0.400 | | " | " | " | " | " | " | |
| Cadmium | 0.200 | 0.200 | | " | " | " | " | " | " | |
| Copper | 5.18 | 0.400 | | " | " | " | " | " | " | |
| Lead | 7.96 | 0.200 | | " | " | " | " | " | " | |
| Nickel | 4.64 | 0.400 | | " | " | " | " | " | " | |
| Silver | 0.0347 | 0.0200 | | " | " | " | " | " | " | |
| Zinc | 21.9 | 0.400 | | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/16/25 11:50**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|--|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | | mg/kg dry | 1 | BIA0814 | 01/17/25 | 01/17/25 | EPA 7196A | |

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

Date Sampled: **01/16/25 11:50**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------|--|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Calcium | 41.4 | 0.0500 | | mg/L dry | 1 | BIB0297 | 02/06/25 | 02/13/25 | EPA 6020B | |
| Magnesium | 14.1 | 0.0500 | | " | " | " | " | " | " | |
| Sodium | 134 | 0.0500 | | " | " | " | " | " | " | |

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 - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

BKG02@3'
2501247-12 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **01/16/25 11:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 4.59 | 0.00100 | units | 1 | BIB0707 | 02/13/25 | 02/13/25 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/16/25 11:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 80.8 | | % | 1 | BIA0810 | 01/17/25 | 01/17/25 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/16/25 11:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.447 | 0.0100 | mmhos/cm | 1 | BIB0299 | 02/06/25 | 02/07/25 | EPA 120.1 | |

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

Date Sampled: **01/16/25 11:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.69 | | pH Units | 1 | BIB0303 | 02/06/25 | 02/07/25 | 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 - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

BKG02@4'
2501247-13 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/16/25 11:54**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Boron | ND | 2.00 | mg/L | 1 | BIB0906 | 02/18/25 | 02/18/25 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/16/25 11:54**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------|-------------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 1.57 | 0.200 | mg/kg dry | 1 | BIA0807 | 01/17/25 | 01/20/25 | EPA 6020B | |
| Barium | 38.3 | 0.400 | " | " | " | " | " | " | |
| Cadmium | ND | 0.200 | " | " | " | " | " | " | |
| Copper | 1.68 | 0.400 | " | " | " | " | " | " | |
| Lead | 3.08 | 0.200 | " | " | " | " | " | " | |
| Nickel | 2.29 | 0.400 | " | " | " | " | " | " | |
| Silver | ND | 0.0200 | " | " | " | " | " | " | |
| Zinc | 9.12 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/16/25 11:54**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BIA0814 | 01/17/25 | 01/17/25 | EPA 7196A | |

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

Date Sampled: **01/16/25 11:54**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------|-------------|-----------|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Calcium | 22.1 | 0.0500 | mg/L dry | 1 | BIB0297 | 02/06/25 | 02/13/25 | EPA 6020B | |
| Magnesium | 5.46 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 67.3 | 0.0500 | " | " | " | " | " | " | |

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 - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

BKG02@4'
2501247-13 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **01/16/25 11:54**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 3.32 | 0.00100 | units | 1 | BIB0707 | 02/13/25 | 02/13/25 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/16/25 11:54**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 96.9 | | % | 1 | BIA0810 | 01/17/25 | 01/17/25 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/16/25 11:54**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.991 | 0.0100 | mmhos/cm | 1 | BIB0299 | 02/06/25 | 02/07/25 | EPA 120.1 | |

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

Date Sampled: **01/16/25 11:54**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.18 | | pH Units | 1 | BIB0303 | 02/06/25 | 02/07/25 | 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 - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

BKG02@5'
2501247-14 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/16/25 11:58**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Boron | ND | 2.00 | mg/L | 1 | BIB0906 | 02/18/25 | 02/18/25 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/16/25 11:58**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------|-------------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 1.39 | 0.200 | mg/kg dry | 1 | BIA0807 | 01/17/25 | 01/20/25 | EPA 6020B | |
| Barium | 36.2 | 0.400 | " | " | " | " | " | " | |
| Cadmium | ND | 0.200 | " | " | " | " | " | " | |
| Copper | 1.49 | 0.400 | " | " | " | " | " | " | |
| Lead | 2.97 | 0.200 | " | " | " | " | " | " | |
| Nickel | 1.96 | 0.400 | " | " | " | " | " | " | |
| Silver | ND | 0.0200 | " | " | " | " | " | " | |
| Zinc | 8.21 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/16/25 11:58**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BIA0814 | 01/17/25 | 01/17/25 | EPA 7196A | |

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

Date Sampled: **01/16/25 11:58**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------|-------------|-----------|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Calcium | 65.6 | 0.0500 | mg/L dry | 1 | BIB0297 | 02/06/25 | 02/13/25 | EPA 6020B | |
| Magnesium | 20.2 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 124 | 0.0500 | " | " | " | " | " | " | |

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 - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

BKG02@5'
2501247-14 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **01/16/25 11:58**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 3.43 | 0.00100 | units | 1 | BIB0707 | 02/13/25 | 02/13/25 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/16/25 11:58**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 98.4 | | % | 1 | BIA0810 | 01/17/25 | 01/17/25 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/16/25 11:58**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.469 | 0.0100 | mmhos/cm | 1 | BIB0299 | 02/06/25 | 02/07/25 | EPA 120.1 | |

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

Date Sampled: **01/16/25 11:58**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.89 | | pH Units | 1 | BIB0303 | 02/06/25 | 02/07/25 | 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 - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

BKG02@2.5'
2501247-15 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/16/25 11:46**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Boron | ND | 2.00 | mg/L | 1 | BIB0906 | 02/18/25 | 02/18/25 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/16/25 11:46**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|---------------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 1.51 | 0.200 | mg/kg dry | 1 | BIA0807 | 01/17/25 | 01/20/25 | EPA 6020B | |
| Barium | 45.4 | 0.400 | " | " | " | " | " | " | |
| Cadmium | ND | 0.200 | " | " | " | " | " | " | |
| Copper | 2.18 | 0.400 | " | " | " | " | " | " | |
| Lead | 3.89 | 0.200 | " | " | " | " | " | " | |
| Nickel | 2.54 | 0.400 | " | " | " | " | " | " | |
| Silver | 0.0209 | 0.0200 | " | " | " | " | " | " | |
| Zinc | 10.8 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/16/25 11:46**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BIA0814 | 01/17/25 | 01/17/25 | EPA 7196A | |

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

Date Sampled: **01/16/25 11:46**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Calcium | 22.2 | 0.0500 | mg/L dry | 1 | BIB0297 | 02/06/25 | 02/13/25 | EPA 6020B | |
| Magnesium | 4.86 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 76.0 | 0.0500 | " | " | " | " | " | " | |

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 - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

BKG02@2.5'
2501247-15 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **01/16/25 11:46**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 3.81 | 0.00100 | units | 1 | BIB0707 | 02/13/25 | 02/13/25 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/16/25 11:46**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 97.2 | | % | 1 | BIA0810 | 01/17/25 | 01/17/25 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/16/25 11:46**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.487 | 0.0100 | mmhos/cm | 1 | BIB0299 | 02/06/25 | 02/07/25 | EPA 120.1 | |

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

Date Sampled: **01/16/25 11:46**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.66 | | pH Units | 1 | BIB0303 | 02/06/25 | 02/07/25 | 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 - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

FS01-FL01-09@5'
2501247-16 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/16/25 14:25**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | ND | 0.0020 | | mg/kg | 1 | BIA0741 | 01/16/25 | 01/18/25 | 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: **01/16/25 14:25**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0378 | 94.5 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0395 | 98.8 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.0372 | 93.1 % | | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/16/25 14:25**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| C10-C28 (DRO) | ND | 50 | | mg/kg | 1 | BIA0783 | 01/16/25 | 01/17/25 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | | " | " | " | " | " | " | |

Date Sampled: **01/16/25 14:25**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: o-Terphenyl | 11.0 | 87.6 % | | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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



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

Project: Noble - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

FS01-FL01-09@5'
2501247-16 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/16/25 14:25**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BIA0852 | 01/20/25 | 01/27/25 | 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: **01/16/25 14:25**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0214 | 64.3 % | 40-140 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0239 | 71.8 % | 40-140 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/16/25 14:25**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | ND | 2.00 | mg/L | 1 | BIA0828 | 01/17/25 | 01/20/25 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/16/25 14:25**

| 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.



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

Project: Noble - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

FS01-FL01-09@5'
2501247-16 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|
| Arsenic | 2.67 | 0.200 | mg/kg dry | 1 | BIA0807 | 01/17/25 | 01/20/25 | EPA 6020B |
| Barium | 84.7 | 0.400 | " | " | " | " | " | " |
| Cadmium | 0.221 | 0.200 | " | " | " | " | " | " |
| Copper | 5.01 | 0.400 | " | " | " | " | " | " |
| Lead | 7.03 | 0.200 | " | " | " | " | " | " |
| Nickel | 4.69 | 0.400 | " | " | " | " | " | " |
| Silver | 0.0292 | 0.0200 | " | " | " | " | " | " |
| Zinc | 19.1 | 0.400 | " | " | " | " | " | " |
| Selenium | ND | 0.260 | " | " | " | " | " | " |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/16/25 14:25**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BIA0811 | 01/17/25 | 01/17/25 | EPA 7196A | |

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

Date Sampled: **01/16/25 14:25**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 48.7 | 0.0500 | mg/L dry | 1 | BIA0785 | 01/16/25 | 01/18/25 | EPA 6020B | |
| Magnesium | 14.7 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 112 | 0.0500 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **01/16/25 14:25**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 3.61 | 0.00100 | units | 1 | BIA0840 | 01/19/25 | 01/19/25 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/16/25 14:25**

| 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.



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

Project: Noble - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

FS01-FL01-09@5'
2501247-16 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

| | | | | | | | |
|-----------------|-------------|---|---|---------|----------|----------|-------------|
| % Solids | 88.3 | % | 1 | BIA0810 | 01/17/25 | 01/17/25 | Calculation |
|-----------------|-------------|---|---|---------|----------|----------|-------------|

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/16/25 14:25**

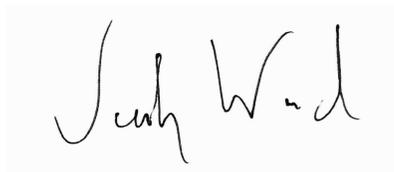
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.810 | 0.0100 | mmhos/cm | 1 | BIA0786 | 01/16/25 | 01/17/25 | EPA 120.1 | |

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

Date Sampled: **01/16/25 14:25**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.06 | | pH Units | 1 | BIA0787 | 01/16/25 | 01/17/25 | 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 - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

SS01-FL01R-W@4'
2501247-17 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/16/25 14:38**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BIA0741 | 01/16/25 | 01/18/25 | 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: **01/16/25 14:38**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | Units | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0369 | 92.2 % | 50-150 | " | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0393 | 98.2 % | 50-150 | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.0392 | 97.9 % | 50-150 | " | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/16/25 14:38**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|------------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| C10-C28 (DRO) | 170 | 50 | mg/kg | 1 | BIA0783 | 01/16/25 | 01/17/25 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **01/16/25 14:38**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | Units | | | | | | |
| Surrogate: o-Terphenyl | 8.25 | 66.0 % | 30-150 | " | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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



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

Project: Noble - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

SS01-FL01R-W@4'
2501247-17 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/16/25 14:38**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BIA0852 | 01/20/25 | 01/27/25 | 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: **01/16/25 14:38**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0231 | 69.2 % | 40-140 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0248 | 74.4 % | 40-140 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/16/25 14:38**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | ND | 2.00 | mg/L | 1 | BIA0828 | 01/17/25 | 01/20/25 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/16/25 14:38**

| 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.



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

Project: Noble - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

SS01-FL01R-W@4'
2501247-17 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|
| Arsenic | 2.36 | 0.200 | mg/kg dry | 1 | BIA0808 | 01/17/25 | 01/20/25 | EPA 6020B |
| Barium | 80.2 | 0.400 | " | " | " | " | " | " |
| Cadmium | 0.262 | 0.200 | " | " | " | " | " | " |
| Copper | 10.4 | 0.400 | " | " | " | " | " | " |
| Lead | 621 | 0.200 | " | " | " | " | " | " |
| Nickel | 4.39 | 0.400 | " | " | " | " | " | " |
| Silver | 0.0488 | 0.0200 | " | " | " | " | " | " |
| Zinc | 23.7 | 0.400 | " | " | " | " | " | " |
| Selenium | ND | 0.260 | " | " | " | " | " | " |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/16/25 14:38**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BIA0811 | 01/17/25 | 01/17/25 | EPA 7196A | |

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

Date Sampled: **01/16/25 14:38**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 29.0 | 0.0500 | mg/L dry | 1 | BIA0785 | 01/16/25 | 01/18/25 | EPA 6020B | |
| Magnesium | 6.19 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 92.0 | 0.0500 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **01/16/25 14:38**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 4.05 | 0.00100 | units | 1 | BIA0840 | 01/19/25 | 01/19/25 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/16/25 14:38**

| 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.



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

Project: Noble - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

SS01-FL01R-W@4'
2501247-17 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

| | | | | | | | |
|-----------------|-------------|---|---|---------|----------|----------|-------------|
| % Solids | 86.8 | % | 1 | BIA0810 | 01/17/25 | 01/17/25 | Calculation |
|-----------------|-------------|---|---|---------|----------|----------|-------------|

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/16/25 14:38**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.584 | 0.0100 | mmhos/cm | 1 | BIA0786 | 01/16/25 | 01/17/25 | EPA 120.1 | |

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

Date Sampled: **01/16/25 14:38**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.23 | | pH Units | 1 | BIA0787 | 01/16/25 | 01/17/25 | 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 - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

SS02-FL01R-W@4'
2501247-18 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/16/25 14:42**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | ND | 0.0020 | | mg/kg | 1 | BIA0741 | 01/16/25 | 01/18/25 | 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: **01/16/25 14:42**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0368 | 92.0 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0393 | 98.3 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.0387 | 96.7 % | | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/16/25 14:42**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| C10-C28 (DRO) | ND | 50 | | mg/kg | 1 | BIA0783 | 01/16/25 | 01/17/25 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | | " | " | " | " | " | " | |

Date Sampled: **01/16/25 14:42**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: o-Terphenyl | 11.4 | 91.0 % | | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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



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

Project: Noble - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

SS02-FL01R-W@4'
2501247-18 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/16/25 14:42**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BIA0852 | 01/20/25 | 01/27/25 | 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: **01/16/25 14:42**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0227 | 68.1 % | 40-140 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0251 | 75.3 % | 40-140 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/16/25 14:42**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | ND | 2.00 | mg/L | 1 | BIA0828 | 01/17/25 | 01/20/25 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/16/25 14:42**

| 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.



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

Project: Noble - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

SS02-FL01R-W@4'
2501247-18 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 1.46 | 0.200 | mg/kg dry | 1 | BIA0808 | 01/17/25 | 01/20/25 | EPA 6020B | |
| Barium | 43.2 | 0.400 | " | " | " | " | " | " | |
| Cadmium | ND | 0.200 | " | " | " | " | " | " | |
| Copper | 2.78 | 0.400 | " | " | " | " | " | " | |
| Lead | 4.65 | 0.200 | " | " | " | " | " | " | |
| Nickel | 2.90 | 0.400 | " | " | " | " | " | " | |
| Silver | ND | 0.0200 | " | " | " | " | " | " | |
| Zinc | 9.98 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.260 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/16/25 14:42**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BIA0811 | 01/17/25 | 01/17/25 | EPA 7196A | |

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

Date Sampled: **01/16/25 14:42**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 50.7 | 0.0500 | mg/L dry | 1 | BIA0785 | 01/16/25 | 01/18/25 | EPA 6020B | |
| Magnesium | 15.0 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 57.4 | 0.0500 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **01/16/25 14:42**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 1.82 | 0.00100 | units | 1 | BIA0840 | 01/19/25 | 01/19/25 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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



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

Project: Noble - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

SS02-FL01R-W@4'
2501247-18 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/16/25 14:42**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 93.5 | | % | 1 | BIA0810 | 01/17/25 | 01/17/25 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/16/25 14:42**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.646 | 0.0100 | mmhos/cm | 1 | BIA0786 | 01/16/25 | 01/17/25 | EPA 120.1 | |

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

Date Sampled: **01/16/25 14:42**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.12 | | pH Units | 1 | BIA0787 | 01/16/25 | 01/17/25 | 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 - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

SS03-FL01R-W@4'
2501247-19 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/16/25 14:45**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | ND | 0.0020 | | mg/kg | 1 | BIA0741 | 01/16/25 | 01/18/25 | 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: **01/16/25 14:45**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0371 | 92.8 % | | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0393 | 98.2 % | | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.0378 | 94.4 % | | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/16/25 14:45**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|-----------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| C10-C28 (DRO) | 68 | 50 | | mg/kg | 1 | BIA0783 | 01/16/25 | 01/17/25 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | | " | " | " | " | " | " | |

Date Sampled: **01/16/25 14:45**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: o-Terphenyl | 10.9 | 87.2 % | | 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 - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

SS03-FL01R-W@4'
2501247-19 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/16/25 14:45**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BIA0852 | 01/20/25 | 01/27/25 | 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: **01/16/25 14:45**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0207 | 62.1 % | 40-140 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0245 | 73.4 % | 40-140 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/16/25 14:45**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | ND | 2.00 | mg/L | 1 | BIA0828 | 01/17/25 | 01/20/25 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/16/25 14:45**

| 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.



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

Project: Noble - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

SS03-FL01R-W@4'
2501247-19 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|
| Arsenic | 2.13 | 0.200 | mg/kg dry | 1 | BIA0808 | 01/17/25 | 01/20/25 | EPA 6020B |
| Barium | 77.9 | 0.400 | " | " | " | " | " | " |
| Cadmium | ND | 0.200 | " | " | " | " | " | " |
| Copper | 5.09 | 0.400 | " | " | " | " | " | " |
| Lead | 11.0 | 0.200 | " | " | " | " | " | " |
| Nickel | 4.30 | 0.400 | " | " | " | " | " | " |
| Silver | 0.0302 | 0.0200 | " | " | " | " | " | " |
| Zinc | 18.4 | 0.400 | " | " | " | " | " | " |
| Selenium | ND | 0.260 | " | " | " | " | " | " |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/16/25 14:45**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BIA0811 | 01/17/25 | 01/17/25 | EPA 7196A | |

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

Date Sampled: **01/16/25 14:45**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 66.4 | 0.0500 | mg/L dry | 1 | BIA0785 | 01/16/25 | 01/18/25 | EPA 6020B | |
| Magnesium | 11.4 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 26.0 | 0.0500 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **01/16/25 14:45**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.776 | 0.00100 | units | 1 | BIA0840 | 01/19/25 | 01/19/25 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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



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

Project: Noble - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

SS03-FL01R-W@4'
2501247-19 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/16/25 14:45**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|-------------|-----------|--|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | | | | | | | | |
| % Solids | 88.0 | | | % | 1 | BIA0810 | 01/17/25 | 01/17/25 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/16/25 14:45**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------------|-----------|--|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Specific Conductance (EC) | 0.201 | 0.0100 | | mmhos/cm | 1 | BIA0786 | 01/16/25 | 01/17/25 | EPA 120.1 | |

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

Date Sampled: **01/16/25 14:45**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|-------------|-----------|--|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| pH | 8.46 | | | pH Units | 1 | BIA0787 | 01/16/25 | 01/17/25 | 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 - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

SS04-FL01R-W@4'
2501247-20 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/16/25 14:49**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BIA0741 | 01/16/25 | 01/18/25 | 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: **01/16/25 14:49**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | Units | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0341 | 85.4 % | 50-150 | " | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0391 | 97.6 % | 50-150 | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.0377 | 94.3 % | 50-150 | " | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/16/25 14:49**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BIA0783 | 01/16/25 | 01/17/25 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **01/16/25 14:49**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | Units | | | | | | |
| Surrogate: o-Terphenyl | 7.39 | 59.1 % | 30-150 | " | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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



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

Project: Noble - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

SS04-FL01R-W@4'
2501247-20 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/16/25 14:49**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BIA0852 | 01/20/25 | 01/27/25 | 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: **01/16/25 14:49**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0244 | 73.3 % | 40-140 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0262 | 78.7 % | 40-140 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/16/25 14:49**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | ND | 2.00 | mg/L | 1 | BIA0828 | 01/17/25 | 01/20/25 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **01/16/25 14:49**

| 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.



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

Project: Noble - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

SS04-FL01R-W@4'
2501247-20 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|
| Arsenic | 1.38 | 0.200 | mg/kg dry | 1 | BIA0808 | 01/17/25 | 01/20/25 | EPA 6020B |
| Barium | 39.2 | 0.400 | " | " | " | " | " | " |
| Cadmium | ND | 0.200 | " | " | " | " | " | " |
| Copper | 2.58 | 0.400 | " | " | " | " | " | " |
| Lead | 3.58 | 0.200 | " | " | " | " | " | " |
| Nickel | 2.65 | 0.400 | " | " | " | " | " | " |
| Silver | ND | 0.0200 | " | " | " | " | " | " |
| Zinc | 8.84 | 0.400 | " | " | " | " | " | " |
| Selenium | ND | 0.260 | " | " | " | " | " | " |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/16/25 14:49**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BIA0811 | 01/17/25 | 01/17/25 | EPA 7196A | |

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

Date Sampled: **01/16/25 14:49**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 51.9 | 0.0500 | mg/L dry | 1 | BIA0785 | 01/16/25 | 01/18/25 | EPA 6020B | |
| Magnesium | 11.7 | 0.0500 | " | " | " | " | " | " | |
| Sodium | 29.4 | 0.0500 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **01/16/25 14:49**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.960 | 0.00100 | units | 1 | BIA0840 | 01/19/25 | 01/19/25 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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



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

Project: Noble - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

SS04-FL01R-W@4'
2501247-20 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/16/25 14:49**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 94.7 | | % | 1 | BIA0810 | 01/17/25 | 01/17/25 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/16/25 14:49**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.265 | 0.0100 | mmhos/cm | 1 | BIA0786 | 01/16/25 | 01/17/25 | EPA 120.1 | |

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

Date Sampled: **01/16/25 14:49**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.29 | | pH Units | 1 | BIA0787 | 01/16/25 | 01/17/25 | 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 - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

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 BIA0741 - EPA 5030 Soil MS

Blank (BIA0741-BLK1)

Prepared: 01/16/25 Analyzed: 01/18/25

| | | | | | | | | | | |
|---|--------|--------|-------|--------|--|------|--------|--|--|--|
| 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> | 0.0306 | | " | 0.0400 | | 76.5 | 50-150 | | | |
| <i>Surrogate: Toluene-d8</i> | 0.0392 | | " | 0.0400 | | 98.0 | 50-150 | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 0.0376 | | " | 0.0400 | | 94.0 | 50-150 | | | |

LCS (BIA0741-BS1)

Prepared: 01/16/25 Analyzed: 01/18/25

| | | | | | | | | | | |
|---|--------|--------|-------|--------|--|------|--------|--|--|--|
| Benzene | 0.110 | 0.0020 | mg/kg | 0.100 | | 110 | 70-130 | | | |
| Toluene | 0.113 | 0.0050 | " | 0.100 | | 113 | 70-130 | | | |
| Ethylbenzene | 0.122 | 0.0050 | " | 0.100 | | 122 | 70-130 | | | |
| m,p-Xylene | 0.234 | 0.010 | " | 0.200 | | 117 | 70-130 | | | |
| o-Xylene | 0.117 | 0.0050 | " | 0.100 | | 117 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.112 | 0.0050 | " | 0.100 | | 112 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.115 | 0.0050 | " | 0.100 | | 115 | 70-130 | | | |
| Naphthalene | 0.0783 | 0.0038 | " | 0.100 | | 78.3 | 70-130 | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 0.0280 | | " | 0.0400 | | 69.9 | 50-150 | | | |
| <i>Surrogate: Toluene-d8</i> | 0.0393 | | " | 0.0400 | | 98.3 | 50-150 | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 0.0388 | | " | 0.0400 | | 97.1 | 50-150 | | | |

Matrix Spike (BIA0741-MS1)

Source: 2501246-01

Prepared: 01/16/25 Analyzed: 01/19/25

| | | | | | | | | | | |
|---|--------|--------|-------|--------|--------|------|--------|--|--|--|
| Benzene | 0.0847 | 0.0020 | mg/kg | 0.100 | ND | 84.7 | 70-130 | | | |
| Toluene | 0.0978 | 0.0050 | " | 0.100 | ND | 97.8 | 70-130 | | | |
| Ethylbenzene | 0.101 | 0.0050 | " | 0.100 | ND | 101 | 70-130 | | | |
| m,p-Xylene | 0.197 | 0.010 | " | 0.200 | ND | 98.4 | 70-130 | | | |
| o-Xylene | 0.0984 | 0.0050 | " | 0.100 | ND | 98.4 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.0873 | 0.0050 | " | 0.100 | ND | 87.3 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0899 | 0.0050 | " | 0.100 | ND | 89.9 | 70-130 | | | |
| Naphthalene | 0.0883 | 0.0038 | " | 0.100 | 0.0114 | 76.8 | 70-130 | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 0.0267 | | " | 0.0400 | | 66.7 | 50-150 | | | |
| <i>Surrogate: Toluene-d8</i> | 0.0394 | | " | 0.0400 | | 98.4 | 50-150 | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 0.0383 | | " | 0.0400 | | 95.8 | 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.



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

Project: Noble - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

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 BIA0741 - EPA 5030 Soil MS

| Matrix Spike Dup (BIA0741-MSD1) | Source: 2501246-01 | | | Prepared: 01/16/25 Analyzed: 01/19/25 | | | | | | |
|---|---------------------------|--------|----------|--|--------|-------------|---------------|------|----|--|
| Benzene | 0.0884 | 0.0020 | mg/kg | 0.100 | ND | 88.4 | 70-130 | 4.33 | 30 | |
| Toluene | 0.0934 | 0.0050 | " | 0.100 | ND | 93.4 | 70-130 | 4.64 | 30 | |
| Ethylbenzene | 0.0932 | 0.0050 | " | 0.100 | ND | 93.2 | 70-130 | 7.82 | 30 | |
| m,p-Xylene | 0.181 | 0.010 | " | 0.200 | ND | 90.4 | 70-130 | 8.44 | 30 | |
| o-Xylene | 0.0901 | 0.0050 | " | 0.100 | ND | 90.1 | 70-130 | 8.78 | 30 | |
| 1,2,4-Trimethylbenzene | 0.0765 | 0.0050 | " | 0.100 | ND | 76.5 | 70-130 | 13.2 | 30 | |
| 1,3,5-Trimethylbenzene | 0.0785 | 0.0050 | " | 0.100 | ND | 78.5 | 70-130 | 13.6 | 30 | |
| Naphthalene | 0.0901 | 0.0038 | " | 0.100 | 0.0114 | 78.7 | 70-130 | 2.09 | 30 | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0266</i> | | <i>"</i> | <i>0.0400</i> | | <i>66.4</i> | <i>50-150</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.0390</i> | | <i>"</i> | <i>0.0400</i> | | <i>97.4</i> | <i>50-150</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.0387</i> | | <i>"</i> | <i>0.0400</i> | | <i>96.8</i> | <i>50-150</i> | | | |

Summit Scientific

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



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

Project: Noble - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

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 BIA0783 - EPA 3550A

Blank (BIA0783-BLK1)

Prepared: 01/16/25 Analyzed: 01/17/25

| | | | | | | | | | | | |
|--------------------------------|------|----|-------|------|--|-----|--|--------|--|--|--|
| C10-C28 (DRO) | ND | 50 | mg/kg | | | | | | | | |
| C28-C36 (ORO) | ND | 50 | " | | | | | | | | |
| Surrogate: <i>o</i> -Terphenyl | 12.8 | | " | 12.5 | | 103 | | 30-150 | | | |

LCS (BIA0783-BS1)

Prepared: 01/16/25 Analyzed: 01/17/25

| | | | | | | | | | | | |
|--------------------------------|------|----|-------|------|--|------|--|--------|--|--|--|
| C10-C28 (DRO) | 452 | 50 | mg/kg | 500 | | 90.4 | | 70-130 | | | |
| Surrogate: <i>o</i> -Terphenyl | 12.2 | | " | 12.5 | | 97.7 | | 30-150 | | | |

Matrix Spike (BIA0783-MS1)

Source: 2501246-01

Prepared: 01/16/25 Analyzed: 01/17/25

| | | | | | | | | | | | |
|--------------------------------|------|----|-------|------|------|------|--|--------|--|--|--|
| C10-C28 (DRO) | 513 | 50 | mg/kg | 500 | 95.3 | 83.6 | | 70-130 | | | |
| Surrogate: <i>o</i> -Terphenyl | 12.3 | | " | 12.5 | | 98.8 | | 30-150 | | | |

Matrix Spike Dup (BIA0783-MSD1)

Source: 2501246-01

Prepared: 01/16/25 Analyzed: 01/17/25

| | | | | | | | | | | | |
|--------------------------------|------|----|-------|------|------|------|--|--------|------|----|--|
| C10-C28 (DRO) | 538 | 50 | mg/kg | 500 | 95.3 | 88.5 | | 70-130 | 4.70 | 20 | |
| Surrogate: <i>o</i> -Terphenyl | 12.6 | | " | 12.5 | | 101 | | 30-150 | | | |

Summit Scientific

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



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

Project: Noble - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

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 BIA0852 - EPA 5030 Soil MS

Blank (BIA0852-BLK1)

Prepared: 01/20/25 Analyzed: 02/05/25

| | | | | | | | | | | |
|---|---------------|---------|-------|---------------|--|-------------|---------------|--|--|--|
| Acenaphthene | ND | 0.00500 | mg/kg | | | | | | | |
| Anthracene | ND | 0.00500 | " | | | | | | | |
| Benzo (a) anthracene | ND | 0.00500 | " | | | | | | | |
| Benzo (a) pyrene | ND | 0.00500 | " | | | | | | | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | | | | | | | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | | | | | | | |
| Chrysene | ND | 0.00500 | " | | | | | | | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | | | | | | | |
| Fluoranthene | ND | 0.00500 | " | | | | | | | |
| Fluorene | ND | 0.00500 | " | | | | | | | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | | | | | | | |
| Pyrene | ND | 0.00500 | " | | | | | | | |
| 1-Methylnaphthalene | ND | 0.00500 | " | | | | | | | |
| 2-Methylnaphthalene | ND | 0.00500 | " | | | | | | | |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0136</i> | | " | <i>0.0333</i> | | <i>40.8</i> | <i>40-140</i> | | | |
| <i>Surrogate: Fluoranthene-d10</i> | <i>0.0152</i> | | " | <i>0.0333</i> | | <i>45.7</i> | <i>40-140</i> | | | |

LCS (BIA0852-BS1)

Prepared: 01/20/25 Analyzed: 02/01/25

| | | | | | | | | | | |
|---|---------------|---------|-------|---------------|--|-------------|---------------|--|--|---------|
| Acenaphthene | 0.0154 | 0.00500 | mg/kg | 0.0333 | | 46.1 | 40-140 | | | |
| Anthracene | 0.0158 | 0.00500 | " | 0.0333 | | 47.5 | 40-140 | | | |
| Benzo (a) anthracene | 0.0185 | 0.00500 | " | 0.0333 | | 55.5 | 40-140 | | | |
| Benzo (a) pyrene | 0.0187 | 0.00500 | " | 0.0333 | | 56.0 | 40-140 | | | |
| Benzo (b) fluoranthene | 0.0147 | 0.00500 | " | 0.0333 | | 44.2 | 40-140 | | | |
| Benzo (k) fluoranthene | 0.0141 | 0.00500 | " | 0.0333 | | 42.3 | 40-140 | | | |
| Chrysene | 0.0156 | 0.00500 | " | 0.0333 | | 46.8 | 40-140 | | | |
| Dibenz (a,h) anthracene | 0.0484 | 0.00500 | " | 0.0333 | | 145 | 40-140 | | | QLCS-01 |
| Fluoranthene | 0.0167 | 0.00500 | " | 0.0333 | | 50.2 | 40-140 | | | |
| Fluorene | 0.0173 | 0.00500 | " | 0.0333 | | 51.8 | 40-140 | | | |
| Indeno (1,2,3-cd) pyrene | 0.0395 | 0.00500 | " | 0.0333 | | 118 | 40-140 | | | |
| Pyrene | 0.0154 | 0.00500 | " | 0.0333 | | 46.3 | 40-140 | | | |
| 1-Methylnaphthalene | 0.0162 | 0.00500 | " | 0.0333 | | 48.6 | 40-140 | | | |
| 2-Methylnaphthalene | 0.0167 | 0.00500 | " | 0.0333 | | 50.0 | 40-140 | | | |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0165</i> | | " | <i>0.0333</i> | | <i>49.6</i> | <i>40-140</i> | | | |
| <i>Surrogate: Fluoranthene-d10</i> | <i>0.0161</i> | | " | <i>0.0333</i> | | <i>48.3</i> | <i>40-140</i> | | | |

Summit Scientific

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



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

Project: Noble - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

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 BIA0852 - EPA 5030 Soil MS

| Matrix Spike (BIA0852-MS1) | Source: 2501202-01 | | | Prepared: 01/20/25 Analyzed: 01/26/25 | | | | | | |
|---|---------------------------|---------|----------|--|----|-------------|---------------|--|--|--|
| Acenaphthene | 0.0206 | 0.00500 | mg/kg | 0.0333 | ND | 61.9 | 40-140 | | | |
| Anthracene | 0.0244 | 0.00500 | " | 0.0333 | ND | 73.3 | 40-140 | | | |
| Benzo (a) anthracene | 0.0240 | 0.00500 | " | 0.0333 | ND | 72.0 | 40-140 | | | |
| Benzo (a) pyrene | 0.0220 | 0.00500 | " | 0.0333 | ND | 66.1 | 40-140 | | | |
| Benzo (b) fluoranthene | 0.0214 | 0.00500 | " | 0.0333 | ND | 64.2 | 40-140 | | | |
| Benzo (k) fluoranthene | 0.0208 | 0.00500 | " | 0.0333 | ND | 62.5 | 40-140 | | | |
| Chrysene | 0.0228 | 0.00500 | " | 0.0333 | ND | 68.5 | 40-140 | | | |
| Dibenz (a,h) anthracene | 0.0216 | 0.00500 | " | 0.0333 | ND | 64.9 | 40-140 | | | |
| Fluoranthene | 0.0257 | 0.00500 | " | 0.0333 | ND | 77.1 | 40-140 | | | |
| Fluorene | 0.0237 | 0.00500 | " | 0.0333 | ND | 71.0 | 40-140 | | | |
| Indeno (1,2,3-cd) pyrene | 0.0145 | 0.00500 | " | 0.0333 | ND | 43.5 | 40-140 | | | |
| Pyrene | 0.0225 | 0.00500 | " | 0.0333 | ND | 67.6 | 40-140 | | | |
| 1-Methylnaphthalene | 0.0248 | 0.00500 | " | 0.0333 | ND | 74.3 | 40-140 | | | |
| 2-Methylnaphthalene | 0.0257 | 0.00500 | " | 0.0333 | ND | 77.1 | 40-140 | | | |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0246</i> | | <i>"</i> | <i>0.0333</i> | | <i>73.9</i> | <i>40-140</i> | | | |
| <i>Surrogate: Fluoranthene-d10</i> | <i>0.0265</i> | | <i>"</i> | <i>0.0333</i> | | <i>79.5</i> | <i>40-140</i> | | | |

| Matrix Spike Dup (BIA0852-MSD1) | Source: 2501202-01 | | | Prepared: 01/20/25 Analyzed: 01/26/25 | | | | | | |
|---|---------------------------|---------|----------|--|----|-------------|---------------|------|----|-------|
| Acenaphthene | 0.0157 | 0.00500 | mg/kg | 0.0333 | ND | 47.2 | 40-140 | 27.0 | 30 | |
| Anthracene | 0.0175 | 0.00500 | " | 0.0333 | ND | 52.5 | 40-140 | 33.1 | 30 | QR-02 |
| Benzo (a) anthracene | 0.0173 | 0.00500 | " | 0.0333 | ND | 51.9 | 40-140 | 32.4 | 30 | QR-02 |
| Benzo (a) pyrene | 0.0166 | 0.00500 | " | 0.0333 | ND | 49.8 | 40-140 | 28.2 | 30 | |
| Benzo (b) fluoranthene | 0.0158 | 0.00500 | " | 0.0333 | ND | 47.5 | 40-140 | 30.0 | 30 | |
| Benzo (k) fluoranthene | 0.0149 | 0.00500 | " | 0.0333 | ND | 44.6 | 40-140 | 33.5 | 30 | QR-02 |
| Chrysene | 0.0157 | 0.00500 | " | 0.0333 | ND | 47.1 | 40-140 | 37.0 | 30 | QR-02 |
| Dibenz (a,h) anthracene | 0.0168 | 0.00500 | " | 0.0333 | ND | 50.3 | 40-140 | 25.2 | 30 | |
| Fluoranthene | 0.0179 | 0.00500 | " | 0.0333 | ND | 53.7 | 40-140 | 35.8 | 30 | QR-02 |
| Fluorene | 0.0170 | 0.00500 | " | 0.0333 | ND | 51.1 | 40-140 | 32.6 | 30 | QR-02 |
| Indeno (1,2,3-cd) pyrene | 0.0116 | 0.00500 | " | 0.0333 | ND | 34.9 | 40-140 | 22.1 | 30 | QM-05 |
| Pyrene | 0.0165 | 0.00500 | " | 0.0333 | ND | 49.6 | 40-140 | 30.8 | 30 | QR-02 |
| 1-Methylnaphthalene | 0.0160 | 0.00500 | " | 0.0333 | ND | 48.1 | 40-140 | 42.9 | 30 | QR-02 |
| 2-Methylnaphthalene | 0.0170 | 0.00500 | " | 0.0333 | ND | 51.1 | 40-140 | 40.6 | 30 | QR-02 |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0145</i> | | <i>"</i> | <i>0.0333</i> | | <i>43.6</i> | <i>40-140</i> | | | |
| <i>Surrogate: Fluoranthene-d10</i> | <i>0.0185</i> | | <i>"</i> | <i>0.0333</i> | | <i>55.5</i> | <i>40-140</i> | | | |

Summit Scientific

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



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

Project: Noble - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

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

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

Batch BIA0828 - EPA 3050B

| | | | | | | | | | | | |
|--|-------|------|------|---------------------------------------|-------|---------------------------------------|--------|-------|------|----|-------|
| Blank (BIA0828-BLK1) | | | | Prepared: 01/17/25 Analyzed: 01/20/25 | | | | | | | |
| Boron | ND | 2.00 | mg/L | | | | | | | | |
| LCS (BIA0828-BS1) | | | | Prepared: 01/17/25 Analyzed: 01/20/25 | | | | | | | |
| Boron | 5.17 | 2.00 | mg/L | 5.00 | | 103 | 80-120 | | | | |
| Duplicate (BIA0828-DUP1) | | | | Source: 2412038-37 | | Prepared: 01/17/25 Analyzed: 01/20/25 | | | | | |
| Boron | 0.123 | 2.00 | mg/L | | 0.153 | | | | 21.6 | 20 | QR-01 |
| Matrix Spike (BIA0828-MS1) | | | | Source: 2412038-37 | | Prepared: 01/17/25 Analyzed: 01/20/25 | | | | | |
| Boron | 5.31 | 2.00 | mg/L | 5.00 | 0.153 | 103 | 75-125 | | | | |
| Matrix Spike Dup (BIA0828-MSD1) | | | | Source: 2412038-37 | | Prepared: 01/17/25 Analyzed: 01/20/25 | | | | | |
| Boron | 5.36 | 2.00 | mg/L | 5.00 | 0.153 | 104 | 75-125 | 0.877 | | 25 | |

Batch BIB0906 - EPA 3050B

| | | | | | | | | | | | |
|-----------------------------------|-------|------|------|---------------------------------------|-------|-------------------------------|--------|--|------|----|--|
| Blank (BIB0906-BLK1) | | | | Prepared & Analyzed: 02/18/25 | | | | | | | |
| Boron | ND | 2.00 | mg/L | | | | | | | | |
| LCS (BIB0906-BS1) | | | | Prepared: 02/18/25 Analyzed: 02/19/25 | | | | | | | |
| Boron | 4.68 | 2.00 | mg/L | 5.00 | | 93.6 | 80-120 | | | | |
| Duplicate (BIB0906-DUP1) | | | | Source: 2501247-01 | | Prepared & Analyzed: 02/18/25 | | | | | |
| Boron | 0.876 | 2.00 | mg/L | | 0.961 | | | | 9.25 | 20 | |
| Matrix Spike (BIB0906-MS1) | | | | Source: 2501247-01 | | Prepared & Analyzed: 02/18/25 | | | | | |
| Boron | 5.53 | 2.00 | mg/L | 4.98 | 0.961 | 91.8 | 75-125 | | | | |

Summit Scientific

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



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

Project: Noble - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

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

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

Batch BIB0906 - EPA 3050B

Matrix Spike Dup (BIB0906-MSD1)

Source: 2501247-01

Prepared & Analyzed: 02/18/25

| | | | | | | | | | | |
|-------|------|------|------|------|-------|------|--------|------|----|--|
| Boron | 5.70 | 2.00 | mg/L | 4.98 | 0.961 | 95.1 | 75-125 | 2.91 | 25 | |
|-------|------|------|------|------|-------|------|--------|------|----|--|

Summit Scientific



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



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

Project: Noble - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BIA0807 - EPA 3050B

Blank (BIA0807-BLK1)

Prepared: 01/17/25 Analyzed: 01/20/25

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

LCS (BIA0807-BS1)

Prepared: 01/17/25 Analyzed: 01/20/25

| | | | | | | |
|----------|------|--------|-----------|------|------|--------|
| Arsenic | 42.1 | 0.200 | mg/kg wet | 41.3 | 102 | 80-120 |
| Barium | 42.1 | 0.400 | " | 41.3 | 102 | 80-120 |
| Cadmium | 2.03 | 0.200 | " | 2.07 | 98.4 | 80-120 |
| Copper | 43.0 | 0.400 | " | 41.3 | 104 | 80-120 |
| Lead | 20.2 | 0.200 | " | 20.7 | 97.6 | 80-120 |
| Nickel | 43.5 | 0.400 | " | 41.3 | 105 | 80-120 |
| Silver | 1.99 | 0.0200 | " | 2.07 | 96.5 | 80-120 |
| Zinc | 42.4 | 0.400 | " | 41.3 | 103 | 80-120 |
| Selenium | 4.09 | 0.260 | " | 4.13 | 99.1 | 80-120 |

Duplicate (BIA0807-DUP1)

Source: 2501246-22

Prepared: 01/17/25 Analyzed: 01/20/25

| | | | | | | |
|----------|--------|--------|-----------|--------|-------|----|
| Arsenic | 2.94 | 0.200 | mg/kg dry | 2.95 | 0.336 | 20 |
| Barium | 86.6 | 0.400 | " | 87.0 | 0.391 | 20 |
| Cadmium | 0.256 | 0.200 | " | 0.258 | 0.585 | 20 |
| Copper | 5.90 | 0.400 | " | 5.73 | 2.84 | 20 |
| Lead | 9.35 | 0.200 | " | 9.41 | 0.558 | 20 |
| Nickel | 5.09 | 0.400 | " | 4.93 | 3.20 | 20 |
| Silver | 0.0449 | 0.0200 | " | 0.0458 | 2.12 | 20 |
| Zinc | 24.6 | 0.400 | " | 24.0 | 2.44 | 20 |
| Selenium | ND | 0.260 | " | ND | | 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.



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

Project: Noble - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

Total Metals by EPA 6020B - Quality Control

Summit Scientific

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

Batch BIA0807 - EPA 3050B

| Matrix Spike (BIA0807-MS1) | | Source: 2501246-22 | | | Prepared: 01/17/25 | | Analyzed: 01/20/25 | |
|-----------------------------------|------|---------------------------|-----------|------|--------------------|------|--------------------|-------|
| Arsenic | 48.2 | 0.200 | mg/kg dry | 45.4 | 2.95 | 99.6 | 75-125 | |
| Barium | 123 | 0.400 | " | 45.4 | 87.0 | 79.0 | 75-125 | |
| Cadmium | 2.43 | 0.200 | " | 2.27 | 0.258 | 95.7 | 75-125 | |
| Copper | 33.8 | 0.400 | " | 45.4 | 5.73 | 61.9 | 75-125 | QM-05 |
| Lead | 37.3 | 0.200 | " | 22.7 | 9.41 | 123 | 75-125 | |
| Nickel | 33.8 | 0.400 | " | 45.4 | 4.93 | 63.5 | 75-125 | QM-05 |
| Silver | 2.21 | 0.0200 | " | 2.27 | 0.0458 | 95.1 | 75-125 | |
| Zinc | 54.8 | 0.400 | " | 45.4 | 24.0 | 67.8 | 75-125 | QM-05 |
| Selenium | 3.90 | 0.260 | " | 4.54 | ND | 85.9 | 75-125 | |

| Matrix Spike Dup (BIA0807-MSD1) | | Source: 2501246-22 | | | Prepared: 01/17/25 | | Analyzed: 01/20/25 | |
|--|------|---------------------------|-----------|------|--------------------|------|--------------------|---------------|
| Arsenic | 47.6 | 0.200 | mg/kg dry | 45.8 | 2.95 | 97.4 | 75-125 | 1.29 25 |
| Barium | 122 | 0.400 | " | 45.8 | 87.0 | 76.5 | 75-125 | 0.703 25 |
| Cadmium | 2.45 | 0.200 | " | 2.29 | 0.258 | 95.9 | 75-125 | 0.903 25 |
| Copper | 34.4 | 0.400 | " | 45.8 | 5.73 | 62.7 | 75-125 | 1.78 25 QM-05 |
| Lead | 32.7 | 0.200 | " | 22.9 | 9.41 | 102 | 75-125 | 13.0 25 |
| Nickel | 34.4 | 0.400 | " | 45.8 | 4.93 | 64.3 | 75-125 | 1.78 25 QM-05 |
| Silver | 2.19 | 0.0200 | " | 2.29 | 0.0458 | 93.7 | 75-125 | 0.663 25 |
| Zinc | 53.5 | 0.400 | " | 45.8 | 24.0 | 64.6 | 75-125 | 2.25 25 QM-05 |
| Selenium | 3.95 | 0.260 | " | 4.58 | ND | 86.3 | 75-125 | 1.36 25 |

Batch BIA0808 - EPA 3050B

| Blank (BIA0808-BLK1) | | | | | Prepared: 01/17/25 | | Analyzed: 01/20/25 | |
|-----------------------------|----|--------|-----------|--|--------------------|--|--------------------|--|
| Arsenic | ND | 0.200 | mg/kg wet | | | | | |
| Barium | ND | 0.400 | " | | | | | |
| Cadmium | ND | 0.200 | " | | | | | |
| Copper | ND | 0.400 | " | | | | | |
| Lead | ND | 0.200 | " | | | | | |
| Nickel | ND | 0.400 | " | | | | | |
| Silver | ND | 0.0200 | " | | | | | |
| Zinc | ND | 0.400 | " | | | | | |
| Selenium | ND | 0.260 | " | | | | | |

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 - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BIA0808 - EPA 3050B

LCS (BIA0808-BS1)

Prepared: 01/17/25 Analyzed: 01/20/25

| | | | | | | | | | | |
|----------|------|--------|-----------|------|--|------|--------|--|--|--|
| Arsenic | 44.4 | 0.200 | mg/kg wet | 41.7 | | 106 | 80-120 | | | |
| Barium | 46.1 | 0.400 | " | 41.7 | | 111 | 80-120 | | | |
| Cadmium | 2.13 | 0.200 | " | 2.08 | | 102 | 80-120 | | | |
| Copper | 40.8 | 0.400 | " | 41.7 | | 98.0 | 80-120 | | | |
| Lead | 21.3 | 0.200 | " | 20.8 | | 102 | 80-120 | | | |
| Nickel | 41.5 | 0.400 | " | 41.7 | | 99.6 | 80-120 | | | |
| Silver | 2.14 | 0.0200 | " | 2.08 | | 103 | 80-120 | | | |
| Zinc | 40.8 | 0.400 | " | 41.7 | | 97.9 | 80-120 | | | |
| Selenium | 4.32 | 0.260 | " | 4.17 | | 104 | 80-120 | | | |

Duplicate (BIA0808-DUP1)

Source: 2501232-01

Prepared: 01/17/25 Analyzed: 01/20/25

| | | | | | | | | | | |
|----------|--------|--------|-----------|--|--------|--|--|------|----|--|
| Arsenic | 2.99 | 0.200 | mg/kg dry | | 2.95 | | | 1.60 | 20 | |
| Barium | 131 | 0.400 | " | | 129 | | | 1.60 | 20 | |
| Cadmium | 0.227 | 0.200 | " | | 0.223 | | | 1.60 | 20 | |
| Copper | 5.53 | 0.400 | " | | 5.44 | | | 1.60 | 20 | |
| Lead | 7.00 | 0.200 | " | | 6.89 | | | 1.60 | 20 | |
| Nickel | 7.05 | 0.400 | " | | 6.94 | | | 1.60 | 20 | |
| Silver | 0.0348 | 0.0200 | " | | 0.0343 | | | 1.60 | 20 | |
| Zinc | 17.6 | 0.400 | " | | 17.3 | | | 1.60 | 20 | |
| Selenium | ND | 0.260 | " | | ND | | | | 20 | |

Matrix Spike (BIA0808-MS1)

Source: 2501232-01

Prepared: 01/17/25 Analyzed: 01/20/25

| | | | | | | | | | | |
|----------|------|--------|-----------|------|--------|------|--------|--|--|-------|
| Arsenic | 53.9 | 0.200 | mg/kg dry | 48.9 | 2.95 | 104 | 75-125 | | | |
| Barium | 176 | 0.400 | " | 48.9 | 129 | 95.0 | 75-125 | | | |
| Cadmium | 2.63 | 0.200 | " | 2.44 | 0.223 | 98.4 | 75-125 | | | |
| Copper | 40.5 | 0.400 | " | 48.9 | 5.44 | 71.8 | 75-125 | | | QM-05 |
| Lead | 30.6 | 0.200 | " | 24.4 | 6.89 | 97.0 | 75-125 | | | |
| Nickel | 42.8 | 0.400 | " | 48.9 | 6.94 | 73.5 | 75-125 | | | QM-05 |
| Silver | 2.40 | 0.0200 | " | 2.44 | 0.0343 | 97.0 | 75-125 | | | |
| Zinc | 54.8 | 0.400 | " | 48.9 | 17.3 | 76.6 | 75-125 | | | |
| Selenium | 4.19 | 0.260 | " | 4.89 | ND | 85.7 | 75-125 | | | |

Summit Scientific

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



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

Project: Noble - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BIA0808 - EPA 3050B

| Matrix Spike Dup (BIA0808-MSD1) | Source: 2501232-01 | | | Prepared: 01/17/25 Analyzed: 01/20/25 | | | | | | | |
|--|---------------------------|--------|-----------|--|--------|------|--------|------|----|--|-------|
| Arsenic | 51.6 | 0.200 | mg/kg dry | 48.1 | 2.95 | 101 | 75-125 | 4.41 | 25 | | |
| Barium | 162 | 0.400 | " | 48.1 | 129 | 67.5 | 75-125 | 8.30 | 25 | | QM-05 |
| Cadmium | 2.57 | 0.200 | " | 2.40 | 0.223 | 97.5 | 75-125 | 2.31 | 25 | | |
| Copper | 39.8 | 0.400 | " | 48.1 | 5.44 | 71.5 | 75-125 | 1.85 | 25 | | QM-05 |
| Lead | 30.2 | 0.200 | " | 24.0 | 6.89 | 97.1 | 75-125 | 1.15 | 25 | | |
| Nickel | 43.9 | 0.400 | " | 48.1 | 6.94 | 76.8 | 75-125 | 2.36 | 25 | | |
| Silver | 2.35 | 0.0200 | " | 2.40 | 0.0343 | 96.2 | 75-125 | 2.35 | 25 | | |
| Zinc | 62.0 | 0.400 | " | 48.1 | 17.3 | 93.0 | 75-125 | 12.4 | 25 | | |
| Selenium | 3.86 | 0.260 | " | 4.81 | ND | 80.3 | 75-125 | 8.13 | 25 | | |

Summit Scientific

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



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

Project: Noble - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

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

Batch BIA0811 - 3060A Mod

| | | | | | | | | | | | |
|--|------|-------------------------------|-----------|-------------------------------|------|--------|--------|------|--|----|--|
| Blank (BIA0811-BLK1) | | Prepared & Analyzed: 01/17/25 | | | | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg wet | | | | | | | | |
| LCS (BIA0811-BS1) | | Prepared & Analyzed: 01/17/25 | | | | | | | | | |
| Chromium, Hexavalent | 23.5 | 0.30 | mg/kg wet | 24.3 | 97.0 | 80-120 | | | | | |
| Duplicate (BIA0811-DUP1) | | Source: 2501246-01 | | Prepared & Analyzed: 01/17/25 | | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | | ND | | | | | 20 | |
| Matrix Spike (BIA0811-MS1) | | Source: 2501246-01 | | Prepared & Analyzed: 01/17/25 | | | | | | | |
| Chromium, Hexavalent | 25.3 | 0.30 | mg/kg dry | 25.3 | ND | 100 | 75-125 | | | | |
| Matrix Spike Dup (BIA0811-MSD1) | | Source: 2501246-01 | | Prepared & Analyzed: 01/17/25 | | | | | | | |
| Chromium, Hexavalent | 27.2 | 0.30 | mg/kg dry | 26.9 | ND | 101 | 75-125 | 7.13 | | 20 | |

Batch BIA0814 - 3060A Mod

| | | | | | | | | | | | |
|-----------------------------------|------|-------------------------------|-----------|-------------------------------|------|--------|--------|--|--|----|--|
| Blank (BIA0814-BLK1) | | Prepared & Analyzed: 01/17/25 | | | | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg wet | | | | | | | | |
| LCS (BIA0814-BS1) | | Prepared & Analyzed: 01/17/25 | | | | | | | | | |
| Chromium, Hexavalent | 23.5 | 0.30 | mg/kg wet | 24.0 | 97.8 | 80-120 | | | | | |
| Duplicate (BIA0814-DUP1) | | Source: 2501246-16 | | Prepared & Analyzed: 01/17/25 | | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | | ND | | | | | 20 | |
| Matrix Spike (BIA0814-MS1) | | Source: 2501246-16 | | Prepared & Analyzed: 01/17/25 | | | | | | | |
| Chromium, Hexavalent | 28.5 | 0.30 | mg/kg dry | 25.3 | ND | 113 | 75-125 | | | | |

Summit Scientific

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



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

Project: Noble - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

Hexavalent Chromium by EPA Method 7196 - Quality Control

Summit Scientific

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

Batch BIA0814 - 3060A Mod

Matrix Spike Dup (BIA0814-MSD1)

Source: 2501246-16

Prepared & Analyzed: 01/17/25

| | | | | | | | | | | |
|----------------------|------|------|-----------|------|----|-----|--------|------|----|--|
| Chromium, Hexavalent | 27.4 | 0.30 | mg/kg dry | 25.8 | ND | 106 | 75-125 | 3.87 | 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.



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

Project: Noble - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

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

Summit Scientific

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

Batch BIA0785 - General Preparation

Blank (BIA0785-BLK1)

Prepared: 01/16/25 Analyzed: 01/17/25

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

LCS (BIA0785-BS1)

Prepared: 01/16/25 Analyzed: 01/17/25

| | | | | | | |
|-----------|------|--------|----------|------|------|--------|
| Calcium | 5.66 | 0.0500 | mg/L wet | 5.00 | 113 | 70-130 |
| Magnesium | 4.94 | 0.0500 | " | 5.00 | 98.8 | 70-130 |
| Sodium | 4.68 | 0.0500 | " | 5.00 | 93.6 | 70-130 |

Batch BIB0297 - General Preparation

Blank (BIB0297-BLK1)

Prepared: 02/06/25 Analyzed: 02/13/25

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

LCS (BIB0297-BS1)

Prepared: 02/06/25 Analyzed: 02/13/25

| | | | | | | |
|-----------|------|--------|----------|------|------|--------|
| Calcium | 5.78 | 0.0500 | mg/L wet | 5.00 | 116 | 70-130 |
| Magnesium | 5.24 | 0.0500 | " | 5.00 | 105 | 70-130 |
| Sodium | 4.86 | 0.0500 | " | 5.00 | 97.2 | 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.



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

Project: Noble - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
 Project Manager: Daniel Simpson

Reported:
 02/19/25 11:02

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

Summit Scientific

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

Batch BIA0810 - General Preparation

Duplicate (BIA0810-DUP1)

Source: 2501246-13

Prepared & Analyzed: 01/17/25

| | | | | | | | | | | |
|----------|------|--|---|--|------|--|--|------|----|--|
| % Solids | 75.5 | | % | | 74.6 | | | 1.15 | 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.



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

Project: Noble - DR. Joe CC06-09 FL
Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

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

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

Batch BIA0786 - General Preparation

| | | | | | | | | | | |
|--|-------|--------|----------|------|-------|------|--------|-------|----|--|
| Blank (BIA0786-BLK1) | | | | | | | | | | |
| Prepared: 01/16/25 Analyzed: 01/17/25 | | | | | | | | | | |
| Specific Conductance (EC) | ND | 0.0100 | mmhos/cm | | | | | | | |
| LCS (BIA0786-BS1) | | | | | | | | | | |
| Prepared: 01/16/25 Analyzed: 01/17/25 | | | | | | | | | | |
| Specific Conductance (EC) | 1.40 | 0.0100 | mmhos/cm | 1.41 | | 99.0 | 95-105 | | | |
| Duplicate (BIA0786-DUP1) | | | | | | | | | | |
| Source: 2501242-01 Prepared: 01/16/25 Analyzed: 01/17/25 | | | | | | | | | | |
| Specific Conductance (EC) | 0.456 | 0.0100 | mmhos/cm | | 0.457 | | | 0.216 | 20 | |

Batch BIB0299 - General Preparation

| | | | | | | | | | | |
|--|-------|--------|----------|------|-------|------|--------|-------|----|--|
| Blank (BIB0299-BLK1) | | | | | | | | | | |
| Prepared: 02/06/25 Analyzed: 02/07/25 | | | | | | | | | | |
| Specific Conductance (EC) | ND | 0.0100 | mmhos/cm | | | | | | | |
| LCS (BIB0299-BS1) | | | | | | | | | | |
| Prepared: 02/06/25 Analyzed: 02/07/25 | | | | | | | | | | |
| Specific Conductance (EC) | 1.37 | 0.0100 | mmhos/cm | 1.41 | | 97.0 | 95-105 | | | |
| Duplicate (BIB0299-DUP1) | | | | | | | | | | |
| Source: 2501201-01 Prepared: 02/06/25 Analyzed: 02/07/25 | | | | | | | | | | |
| Specific Conductance (EC) | 0.677 | 0.0100 | mmhos/cm | | 0.678 | | | 0.285 | 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.



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

Project: Noble - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

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

Summit Scientific

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

Batch BIA0787 - General Preparation

| LCS (BIA0787-BS1) | | | | | | | | | | |
|---------------------------------|------|--|----------|------|--|-----|--------|----|--|--|
| | | | | | Prepared: 01/16/25 Analyzed: 01/17/25 | | | | | |
| pH | 9.29 | | pH Units | 9.18 | | 101 | 95-105 | | | |
| Duplicate (BIA0787-DUP1) | | | | | | | | | | |
| | | | | | Source: 2501242-01 Prepared: 01/16/25 Analyzed: 01/17/25 | | | | | |
| pH | 8.91 | | pH Units | 8.93 | | | 0.227 | 20 | | |

Batch BIB0303 - General Preparation

| LCS (BIB0303-BS1) | | | | | | | | | | |
|---------------------------------|------|--|----------|------|--|-----|--------|----|--|--|
| | | | | | Prepared: 02/06/25 Analyzed: 02/07/25 | | | | | |
| pH | 9.22 | | pH Units | 9.18 | | 100 | 95-105 | | | |
| Duplicate (BIB0303-DUP1) | | | | | | | | | | |
| | | | | | Source: 2501201-01 Prepared: 02/06/25 Analyzed: 02/07/25 | | | | | |
| pH | 7.82 | | pH Units | 7.87 | | | 0.707 | 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.



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

Project: Noble - DR. Joe CC06-09 FL

Project Number: UWRWE-A4040-ABN
Project Manager: Daniel Simpson

Reported:
02/19/25 11:02

Notes and Definitions

- QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- QR-01 Analyses are not controlled on RPD values from sample concentrations below the reporting limit. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.
- QLCS-01 The spike recovery was outside acceptance limits for this analyte indicating a potential high bias. The corresponding samples did not exhibit concentrations above reporting level for this analyte. Data quality is not affected.
- 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