

# Summit Scientific

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4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

July 16, 2021

Afton Iiams  
Foundation Energy  
1801 Broadway, Suite 1500  
Denver, CO 80202

RE: Background - Bonny

Work Order #2107127

Enclosed are the results of analyses for samples received by Summit Scientific on 07/09/21 11:46. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

Muri Premer For Paul Shrewsbury  
President



Foundation Energy  
1801 Broadway, Suite 1500  
Denver CO, 80202

Project: Background - Bonny

Project Number: [none]  
Project Manager: Afton Iiams

**Reported:**  
07/16/21 16:59

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID  | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|------------|---------------|--------|----------------|----------------|
| Background | 2107127-01    | Soil   | 07/08/21 15:30 | 07/09/21 11:46 |

Summit Scientific

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

2107127

# Summit Scientific

S<sub>2</sub>

4653 Table Mountain Drive ♦ Golden, Colorado 80403

303-277-9310 ♦ 303-374-5933 (f)

Client: Foundation Energy

Project Manager: Afton Iiams

Page 1 of 1

Address: 1775 Sherman Street, Suite 1800

E-Mail: aiiams@foundationenergy.com ; abeard@foundationenergy.com

City/State/Zip: Denver, CO 80203

Phone: 720.879.4954

Project Name: ~~Background - Bonny~~ Background - Bonny

Sampler Name: Afton Iiams

Project Number:

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative |      |      |       | Matrix |      |                |       | Analysis Requested |     |             |       |             |                               | Special Instructions |                      |
|----|--------------------|--------------|--------------|-----------------|--------------|------|------|-------|--------|------|----------------|-------|--------------------|-----|-------------|-------|-------------|-------------------------------|----------------------|----------------------|
|    |                    |              |              |                 | HCl          | HNO3 | None | Other | Water  | Soil | Air-Canister # | Other | ISTEX              | TPH | PH, SAR, EC | Boron | Naphthalene | 1,2,4 trimethyl-1,3,5 benzene |                      |                      |
| 1  | Background         | 7/8/21       | 15:50        | 1               |              |      | X    |       |        | X    |                |       |                    | X   | X           | X     | X           | X                             | X                    | 2 JARS<br>&<br>1 BAC |
| 2  |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |     |             |       |             |                               |                      |                      |
| 3  |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |     |             |       |             |                               |                      |                      |
| 4  |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |     |             |       |             |                               |                      |                      |
| 5  |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |     |             |       |             |                               |                      |                      |
| 6  |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |     |             |       |             |                               |                      |                      |
| 7  |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |     |             |       |             |                               |                      |                      |
| 8  |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |     |             |       |             |                               |                      |                      |
| 9  |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |     |             |       |             |                               |                      |                      |
| 10 |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |     |             |       |             |                               |                      |                      |

|                                     |   |                                 |  |   |        |
|-------------------------------------|---|---------------------------------|--|---|--------|
| Relinquished by: <u>Afton Iiams</u> | Date/Time: <u>07/09/21</u><br><u>12:46 AM</u> | Received by: <u>[Signature]</u> | Date/Time: <u>07/09/21</u><br><u>11:46</u> | Turn Around Time (Check)<br>Same Day <u>    </u> 72 hours<br>24 hours <u>    </u> Standard <u>X</u><br>48 hours <u>    </u> | Notes: |
| Relinquished by:                    | Date/Time:                                    | Received by:                    | Date/Time:                                 | Sample Integrity:   |        |
| Relinquished by:                    | Date/Time:                                    | Received by:                    | Date/Time:                                 | Temperature Upon Receipt: <u>28.6</u><br>Samples Intact: <u>Yes</u> No  |        |

**Sample Receipt Checklist**

S2 Work Order 2107127

Client: FOUNDATION Client Project ID: BACKGROUND - BONNY

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

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

|           |      |
|-----------|------|
| Temp (°C) | 28.6 |
|-----------|------|

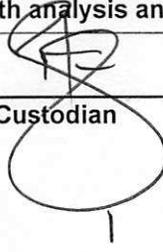
Thermometer ID: 61857155-K

|   | Yes | No | N/A | Comments (if any) |
|---|-----|----|-----|-------------------|
| If samples require cooling, was the temperature at 4°C +/- 2°C <sup>(1)</sup> ?<br>NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun. | ✓   |    |     | ON ICE            |
| Were all samples received intact <sup>(1)</sup> ?   | ✓   |    |     |                   |
| Was adequate sample volume provided <sup>(1)</sup> ?  | ✓   |    |     |                   |
| If custody seals are present, are they intact <sup>(1)</sup> ?  |     |    | ✓   |                   |
| Are samples with holding times due within 48 hours sample due within 48 hours present?  |     |    | ✓   |                   |
| Is a chain-of-custody (COC) form present and filled out completely <sup>(1)</sup> ?   | ✓   |    |     |                   |
| Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?   | ✓   |    |     |                   |
| Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?   | ✓   |    |     |                   |
| Is the COC properly relinquished by the client w/ date and time recorded <sup>(1)</sup> ?   | ✓   |    |     |                   |
| For volatiles in water – is there headspace present? If yes, contact client and note in narrative.  |     |    | ✓   |                   |
| Are samples preserved that require preservation (excluding cooling) <sup>(1)</sup> ?<br>Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect  |     |    | ✓   |                   |
| If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ?<br>Record the pH in Comments.  |     |    | ✓   |                   |
| If dissolved metals are requested, were samples field filtered?   |     |    | ✓   |                   |

Additional Comments (if any):  
2 JARS & 1 BAG

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

RZ  
Custodian Printed Name or Initials

  
Signature of Custodian

7/9/21  
Date/Time



Foundation Energy  
1801 Broadway, Suite 1500  
Denver CO, 80202

Project: Background - Bonny

Project Number: [none]  
Project Manager: Afton Iiams

**Reported:**  
07/16/21 16:59

**Background**  
**2107127-01 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **07/08/21 15:30**

| Analyte                     | Result | Reporting |  | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
|                             |        | Limit     |  |       |          |         |          |          |           |       |
| Benzene                     | ND     | 0.0020    |  | mg/kg | 1        | BEG0207 | 07/13/21 | 07/14/21 | EPA 8260B |       |
| Toluene                     | ND     | 0.0050    |  | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene                | ND     | 0.0050    |  | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total)             | ND     | 0.010     |  | "     | "        | "       | "        | "        | "         |       |
| 1,2,4-Trimethylbenzene      | ND     | 0.0050    |  | "     | "        | "       | "        | "        | "         |       |
| 1,3,5-Trimethylbenzene      | ND     | 0.0050    |  | "     | "        | "       | "        | "        | "         |       |
| Naphthalene                 | ND     | 0.0038    |  | "     | "        | "       | "        | "        | "         |       |
| Gasoline Range Hydrocarbons | ND     | 0.50      |  | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **07/08/21 15:30**

| Analyte                          | Result | Reporting |  | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
|                                  |        | Limit     |  |        |          |       |          |          |        |       |
| Surrogate: 1,2-Dichloroethane-d4 |        | 96.1 %    |  | 23-173 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 105 %     |  | 20-170 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 107 %     |  | 21-167 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **07/08/21 15:30**

| Analyte       | Result | Reporting |  | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
|               |        | Limit     |  |       |          |         |          |          |           |       |
| C10-C28 (DRO) | ND     | 50        |  | mg/kg | 1        | BEG0209 | 07/13/21 | 07/15/21 | EPA 8015M |       |
| C28-C36 (ORO) | ND     | 50        |  | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **07/08/21 15:30**

| Analyte                | Result | Reporting |  | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
|                        |        | Limit     |  |        |          |       |          |          |        |       |
| Surrogate: o-Terphenyl |        | 94.2 %    |  | 30-150 |          | "     | "        | "        | "      |       |

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

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Denver CO, 80202

Project: Background - Bonny

Project Number: [none]  
Project Manager: Afton Iiams

**Reported:**  
07/16/21 16:59

**Background**  
**2107127-01 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **07/08/21 15:30**

| Analyte      | Result        | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|--------------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| <b>Boron</b> | <b>0.0121</b> | 0.0100          | mg/L  | 1        | BEG0179 | 07/12/21 | 07/13/21 | EPA 6020B |       |

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

Date Sampled: **07/08/21 15:30**

| Analyte          | Result      | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|------------------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| <b>Calcium</b>   | <b>24.5</b> | 0.0561          | mg/L dry | 1        | BEG0180 | 07/12/21 | 07/14/21 | EPA 6020B |       |
| <b>Magnesium</b> | <b>4.85</b> | 0.0561          | "        | "        | "       | "        | "        | "         |       |
| <b>Sodium</b>    | <b>11.9</b> | 0.0561          | "        | "        | "       | "        | "        | "         |       |

**Calculated Analysis**

Date Sampled: **07/08/21 15:30**

| Analyte                        | Result       | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|--------------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| <b>Sodium Adsorption Ratio</b> | <b>0.575</b> | 0.00100         | units | 1        | BEG0265 | 07/15/21 | 07/15/21 | Calculation |       |

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **07/08/21 15:30**

| Analyte         | Result      | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|-----------------|-------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| <b>% Solids</b> | <b>89.1</b> |                 | %     | 1        | BEG0237 | 07/14/21 | 07/15/21 | Calculation |       |

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **07/08/21 15:30**

| Analyte                          | Result       | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------------------|--------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| <b>Specific Conductance (EC)</b> | <b>0.225</b> | 0.0100          | mmhos/cm | 1        | BEG0204 | 07/13/21 | 07/13/21 | EPA 120.1 |       |

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

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Foundation Energy  
 1801 Broadway, Suite 1500  
 Denver CO, 80202

Project: Background - Bonny

Project Number: [none]  
 Project Manager: Afton Iiams

**Reported:**  
 07/16/21 16:59

**Background**  
**2107127-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **07/08/21 15:30**

| Analyte   | Result      | Reporting |          | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------|-------------|-----------|----------|----------|---------|----------|----------|-----------|-------|
|           |             | Limit     | Units    |          |         |          |          |           |       |
| <b>pH</b> | <b>8.34</b> |           | pH Units | 1        | BEG0202 | 07/13/21 | 07/13/21 | EPA 9045D |       |

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Foundation Energy  
1801 Broadway, Suite 1500  
Denver CO, 80202

Project: Background - Bonny

Project Number: [none]  
Project Manager: Afton Iiams

**Reported:**  
07/16/21 16:59

### 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 BEG0207 - EPA 5030 Soil MS

##### Blank (BEG0207-BLK1)

Prepared & Analyzed: 07/13/21

|   |               |        |          |               |  |             |  |               |  |  |
|---|---------------|--------|----------|---------------|--|-------------|--|---------------|--|--|
| Benzene                                 | ND            | 0.0020 | mg/kg    |               |  |             |  |               |  |  |
| Toluene                                 | ND            | 0.0050 | "        |               |  |             |  |               |  |  |
| Ethylbenzene                            | ND            | 0.0050 | "        |               |  |             |  |               |  |  |
| Xylenes (total)                         | ND            | 0.010  | "        |               |  |             |  |               |  |  |
| 1,2,4-Trimethylbenzene                  | ND            | 0.0050 | "        |               |  |             |  |               |  |  |
| 1,3,5-Trimethylbenzene                  | ND            | 0.0050 | "        |               |  |             |  |               |  |  |
| Naphthalene                             | ND            | 0.0038 | "        |               |  |             |  |               |  |  |
| Gasoline Range Hydrocarbons             | ND            | 0.50   | "        |               |  |             |  |               |  |  |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0386</i> |        | <i>"</i> | <i>0.0400</i> |  | <i>96.4</i> |  | <i>23-173</i> |  |  |
| <i>Surrogate: Toluene-d8</i>            | <i>0.0417</i> |        | <i>"</i> | <i>0.0400</i> |  | <i>104</i>  |  | <i>20-170</i> |  |  |
| <i>Surrogate: 4-Bromofluorobenzene</i>  | <i>0.0426</i> |        | <i>"</i> | <i>0.0400</i> |  | <i>106</i>  |  | <i>21-167</i> |  |  |

##### LCS (BEG0207-BS1)

Prepared & Analyzed: 07/13/21

|   |               |        |          |               |  |             |  |               |  |  |
|---|---------------|--------|----------|---------------|--|-------------|--|---------------|--|--|
| Benzene                                 | 0.0928        | 0.0020 | mg/kg    | 0.100         |  | 92.8        |  | 70-130        |  |  |
| Toluene                                 | 0.104         | 0.0050 | "        | 0.100         |  | 104         |  | 70-130        |  |  |
| Ethylbenzene                            | 0.0958        | 0.0050 | "        | 0.100         |  | 95.8        |  | 70-130        |  |  |
| m,p-Xylene                              | 0.185         | 0.010  | "        | 0.200         |  | 92.7        |  | 70-130        |  |  |
| o-Xylene                                | 0.0903        | 0.0050 | "        | 0.100         |  | 90.3        |  | 70-130        |  |  |
| 1,2,4-Trimethylbenzene                  | 0.0932        | 0.0050 | "        | 0.100         |  | 93.2        |  | 70-130        |  |  |
| 1,3,5-Trimethylbenzene                  | 0.0944        | 0.0050 | "        | 0.100         |  | 94.4        |  | 70-130        |  |  |
| Naphthalene                             | 0.0886        | 0.0038 | "        | 0.100         |  | 88.6        |  | 70-130        |  |  |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0389</i> |        | <i>"</i> | <i>0.0400</i> |  | <i>97.2</i> |  | <i>23-173</i> |  |  |
| <i>Surrogate: Toluene-d8</i>            | <i>0.0419</i> |        | <i>"</i> | <i>0.0400</i> |  | <i>105</i>  |  | <i>20-170</i> |  |  |
| <i>Surrogate: 4-Bromofluorobenzene</i>  | <i>0.0412</i> |        | <i>"</i> | <i>0.0400</i> |  | <i>103</i>  |  | <i>21-167</i> |  |  |

##### Matrix Spike (BEG0207-MS1)

Source: 2107093-01

Prepared: 07/13/21 Analyzed: 07/14/21

|   |               |        |          |               |         |             |  |               |  |  |
|---|---------------|--------|----------|---------------|---------|-------------|--|---------------|--|--|
| Benzene                                 | 0.0892        | 0.0020 | mg/kg    | 0.100         | 0.00426 | 84.9        |  | 70-130        |  |  |
| Toluene                                 | 0.101         | 0.0050 | "        | 0.100         | 0.00387 | 96.8        |  | 70-130        |  |  |
| Ethylbenzene                            | 0.0910        | 0.0050 | "        | 0.100         | ND      | 91.0        |  | 70-130        |  |  |
| m,p-Xylene                              | 0.178         | 0.010  | "        | 0.200         | 0.00576 | 86.4        |  | 70-130        |  |  |
| o-Xylene                                | 0.0872        | 0.0050 | "        | 0.100         | ND      | 87.2        |  | 70-130        |  |  |
| 1,2,4-Trimethylbenzene                  | 0.0921        | 0.0050 | "        | 0.100         | ND      | 92.1        |  | 70-130        |  |  |
| 1,3,5-Trimethylbenzene                  | 0.0921        | 0.0050 | "        | 0.100         | ND      | 92.1        |  | 70-130        |  |  |
| Naphthalene                             | 0.0972        | 0.0038 | "        | 0.100         | 0.00588 | 91.3        |  | 70-130        |  |  |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0398</i> |        | <i>"</i> | <i>0.0400</i> |         | <i>99.6</i> |  | <i>23-173</i> |  |  |
| <i>Surrogate: Toluene-d8</i>            | <i>0.0420</i> |        | <i>"</i> | <i>0.0400</i> |         | <i>105</i>  |  | <i>20-170</i> |  |  |
| <i>Surrogate: 4-Bromofluorobenzene</i>  | <i>0.0422</i> |        | <i>"</i> | <i>0.0400</i> |         | <i>106</i>  |  | <i>21-167</i> |  |  |

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Foundation Energy  
1801 Broadway, Suite 1500  
Denver CO, 80202

Project: Background - Bonny

Project Number: [none]  
Project Manager: Afton Iiams

**Reported:**  
07/16/21 16:59

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**Summit Scientific**

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

**Batch BEG0207 - EPA 5030 Soil MS**

| Matrix Spike Dup (BEG0207-MSD1)  | Source: 2107093-01 |        |       | Prepared: 07/13/21 Analyzed: 07/14/21 |         |      |        |      |    |  |
|----------------------------------|--------------------|--------|-------|---------------------------------------|---------|------|--------|------|----|--|
| Benzene                          | 0.0914             | 0.0020 | mg/kg | 0.100                                 | 0.00426 | 87.2 | 70-130 | 2.46 | 30 |  |
| Toluene                          | 0.105              | 0.0050 | "     | 0.100                                 | 0.00387 | 101  | 70-130 | 3.92 | 30 |  |
| Ethylbenzene                     | 0.0954             | 0.0050 | "     | 0.100                                 | ND      | 95.4 | 70-130 | 4.67 | 30 |  |
| m,p-Xylene                       | 0.183              | 0.010  | "     | 0.200                                 | 0.00576 | 88.7 | 70-130 | 2.62 | 30 |  |
| o-Xylene                         | 0.0906             | 0.0050 | "     | 0.100                                 | ND      | 90.6 | 70-130 | 3.81 | 30 |  |
| 1,2,4-Trimethylbenzene           | 0.0938             | 0.0050 | "     | 0.100                                 | ND      | 93.8 | 70-130 | 1.78 | 30 |  |
| 1,3,5-Trimethylbenzene           | 0.0947             | 0.0050 | "     | 0.100                                 | ND      | 94.7 | 70-130 | 2.76 | 30 |  |
| Naphthalene                      | 0.0922             | 0.0038 | "     | 0.100                                 | 0.00588 | 86.3 | 70-130 | 5.32 | 30 |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0386             |        | "     | 0.0400                                |         | 96.5 | 23-173 |      |    |  |
| Surrogate: Toluene-d8            | 0.0419             |        | "     | 0.0400                                |         | 105  | 20-170 |      |    |  |
| Surrogate: 4-Bromofluorobenzene  | 0.0418             |        | "     | 0.0400                                |         | 104  | 21-167 |      |    |  |

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Foundation Energy  
1801 Broadway, Suite 1500  
Denver CO, 80202

Project: Background - Bonny

Project Number: [none]  
Project Manager: Afton Iiams

**Reported:**  
07/16/21 16:59

**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 BEG0209 - EPA 3550A**

**Blank (BEG0209-BLK1)**

Prepared: 07/13/21 Analyzed: 07/14/21

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

**LCS (BEG0209-BS1)**

Prepared: 07/13/21 Analyzed: 07/14/21

|               |     |    |       |     |      |        |  |  |  |  |
|---------------|-----|----|-------|-----|------|--------|--|--|--|--|
| C10-C28 (DRO) | 466 | 50 | mg/kg | 500 | 93.1 | 70-130 |  |  |  |  |
|---------------|-----|----|-------|-----|------|--------|--|--|--|--|

**Matrix Spike (BEG0209-MS1)**

Source: 2107093-01

Prepared: 07/13/21 Analyzed: 07/14/21

|               |     |    |       |     |      |      |        |  |  |  |
|---------------|-----|----|-------|-----|------|------|--------|--|--|--|
| C10-C28 (DRO) | 466 | 50 | mg/kg | 500 | 14.1 | 90.5 | 70-130 |  |  |  |
|---------------|-----|----|-------|-----|------|------|--------|--|--|--|

**Matrix Spike Dup (BEG0209-MSD1)**

Source: 2107093-01

Prepared: 07/13/21 Analyzed: 07/14/21

|               |     |    |       |     |      |      |        |      |    |  |
|---------------|-----|----|-------|-----|------|------|--------|------|----|--|
| C10-C28 (DRO) | 457 | 50 | mg/kg | 500 | 14.1 | 88.5 | 70-130 | 2.10 | 20 |  |
|---------------|-----|----|-------|-----|------|------|--------|------|----|--|

Summit Scientific

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Foundation Energy  
1801 Broadway, Suite 1500  
Denver CO, 80202

Project: Background - Bonny

Project Number: [none]  
Project Manager: Afton Iiams

**Reported:**  
07/16/21 16:59

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

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

**Batch BEG0179 - EPA 3050B**

**Blank (BEG0179-BLK1)**

Prepared: 07/12/21 Analyzed: 07/13/21

Boron ND 0.0100 mg/L

**LCS (BEG0179-BS1)**

Prepared: 07/12/21 Analyzed: 07/13/21

Boron 5.47 0.0100 mg/L 5.00 109 80-120

**Duplicate (BEG0179-DUP1)**

Source: 2107086-01

Prepared: 07/12/21 Analyzed: 07/13/21

Boron 0.134 0.0100 mg/L 0.173 25.8 20 QR-04

**Matrix Spike (BEG0179-MS1)**

Source: 2107086-01

Prepared: 07/12/21 Analyzed: 07/13/21

Boron 5.16 0.0100 mg/L 5.00 0.173 99.8 75-125

**Matrix Spike Dup (BEG0179-MSD1)**

Source: 2107086-01

Prepared: 07/12/21 Analyzed: 07/13/21

Boron 5.77 0.0100 mg/L 5.00 0.173 112 75-125 11.2 25

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Foundation Energy  
 1801 Broadway, Suite 1500  
 Denver CO, 80202

Project: Background - Bonny

Project Number: [none]  
 Project Manager: Afton Iiams

**Reported:**  
 07/16/21 16:59

**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 BEG0180 - General Preparation**

**Blank (BEG0180-BLK1)**

Prepared: 07/12/21 Analyzed: 07/14/21

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

**LCS (BEG0180-BS1)**

Prepared: 07/12/21 Analyzed: 07/14/21

|           |      |        |          |      |  |      |        |  |  |  |
|-----------|------|--------|----------|------|--|------|--------|--|--|--|
| Calcium   | 5.06 | 0.0500 | mg/L wet | 5.00 |  | 101  | 70-130 |  |  |  |
| Magnesium | 5.70 | 0.0500 | "        | 5.00 |  | 114  | 70-130 |  |  |  |
| Sodium    | 4.75 | 0.0500 | "        | 5.00 |  | 95.0 | 70-130 |  |  |  |

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Foundation Energy  
 1801 Broadway, Suite 1500  
 Denver CO, 80202

Project: Background - Bonny

Project Number: [none]  
 Project Manager: Afton Iiams

**Reported:**  
 07/16/21 16:59

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

**Summit Scientific**

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

**Batch BEG0237 - General Preparation**

| Duplicate (BEG0237-DUP1) | Source: 2107124-01 |   | Prepared: 07/14/21 Analyzed: 07/15/21 |          |
|--------------------------|--------------------|---|---------------------------------------|----------|
| % Solids                 | 91.6               | % | 91.8                                  | 0.214 20 |

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Foundation Energy  
1801 Broadway, Suite 1500  
Denver CO, 80202

Project: Background - Bonny

Project Number: [none]  
Project Manager: Afton Iiams

**Reported:**  
07/16/21 16:59

**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 |             |               | Limits | RPD | Limit |  |       |

**Batch BEG0204 - General Preparation**

**Blank (BEG0204-BLK1)**

Prepared & Analyzed: 07/13/21

Specific Conductance (EC) ND 0.0100 mmhos/cm

**LCS (BEG0204-BS1)**

Prepared & Analyzed: 07/13/21

Specific Conductance (EC) 0.138 0.0100 mmhos/cm 0.150 92.3 90-110

**Duplicate (BEG0204-DUP1)**

Source: 2107124-01

Prepared & Analyzed: 07/13/21

Specific Conductance (EC) 0.496 0.0100 mmhos/cm 0.497 0.141 20

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Foundation Energy  
 1801 Broadway, Suite 1500  
 Denver CO, 80202

Project: Background - Bonny

Project Number: [none]  
 Project Manager: Afton Iiams

**Reported:**  
 07/16/21 16:59

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

**Summit Scientific**

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

**Batch BEG0202 - General Preparation**

**LCS (BEG0202-BS1)**

Prepared & Analyzed: 07/13/21

pH 9.33 pH Units 9.21 101 95-105

**Duplicate (BEG0202-DUP1)**

Source: 2107124-01

Prepared & Analyzed: 07/13/21

pH 8.91 pH Units 8.92 0.112 20

Summit Scientific

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Foundation Energy  
1801 Broadway, Suite 1500  
Denver CO, 80202

Project: Background - Bonny

Project Number: [none]  
Project Manager: Afton Iiams

**Reported:**  
07/16/21 16:59

### Notes and Definitions

- QR-04 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- 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