

# Summit Scientific

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4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

January 11, 2024

Tanna Lyon

Ensolum, LLC

11049 W. 44th Ave, Ste 100

Wheat Ridge, CO 80033

RE: Civitas - Blue 3-65 33-32-31

Work Order #2401095

Enclosed are the results of analyses for samples received by Summit Scientific on 01/05/24 13:12. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Jacob Wood". The signature is written in a cursive, flowing style.

Jacob Wood For Paul Shrewsbury  
President



Ensolum, LLC  
11049 W. 44th Ave, Ste 100  
Wheat Ridge CO, 80033

Project: Civitas - Blue 3-65 33-32-31

Project Number: 09C2407007  
Project Manager: Tanna Lyon

**Reported:**  
01/11/24 09:06

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID     | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|---------------|---------------|--------|----------------|----------------|
| Pad-BG01@0.5' | 2401095-01    | Soil   | 01/05/24 08:55 | 01/05/24 13:12 |
| Pad-BG02@0.5' | 2401095-02    | Soil   | 01/05/24 08:46 | 01/05/24 13:12 |
| Pad-BG03@0.5' | 2401095-03    | Soil   | 01/05/24 09:16 | 01/05/24 13:12 |
| Pad-BG04@0.5' | 2401095-04    | Soil   | 01/05/24 09:25 | 01/05/24 13:12 |
| Pad-BG05@0.5' | 2401095-05    | Soil   | 01/05/24 09:05 | 01/05/24 13:12 |

Summit Scientific

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

# SUMMIT SCIENTIFIC

4653 Table Mountain Drive  
Golden, CO 80403  
303-277-9310

|         |             |
|---------|-------------|
| Lab ID  | Page 1 of 1 |
| 2401095 |             |

|   |  |   |  |  |  |
|---|--|---|--|--|--|
| Client: <u>Ensolum</u>                        |  | Send Data To:   |  | Send Invoice To:                                 |  |
| Address: <u>11049 W. 44th Ave. Ste. 100</u>   |  | Project Manager: <u>Tanna Lyon</u>  |  | Company: <u>Civitas Resources</u>                |  |
| City/State/Zip: <u>Wheat Ridge, CO, 80033</u> |  | E-Mail: <u>tylona@ensolum.com / bsulzberger@ensolum.com / cmcqueen@civitasresources.com</u> |  | Project Name/Location: <u>Blue 3-65 33-32-31</u> |  |
| Phone: <u>720-363-6416</u>                    |  | Project Name: <u>Blue 3-65 33-32-31</u>   |  | AFE#: <u>PI671PD</u>                             |  |
| Sampler Name: <u>Maxwell Bully</u>            |  | Project Number: <u>0902407007</u>   |  | PO/Billing Codes: <u>8520-162</u>                |  |
|   |  |   |  | Contact: <u>Costin McQueen</u>                   |  |

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative |      |      |       | Matrix |      |                | Analysis Requested |    |     |  |  |  |  |  | Special Instructions |
|----|--------------------|--------------|--------------|-----------------|--------------|------|------|-------|--------|------|----------------|--------------------|----|-----|--|--|--|--|--|----------------------|
|    |                    |              |              |                 | HCl          | HNO3 | None | Other | Water  | Soil | Air-Canister # | Other              | pH | SAR |  |  |  |  |  |                      |
| 1  | Pad - BG01 @ 0.5'  | 1/5/24       | 8:55         | 3               |              |      | X    |       |        | X    |                |                    | X  | X   |  |  |  |  |  |                      |
| 2  | Pad - BG02 @ 0.5'  |              | 8:55         |                 |              |      | X    |       |        | X    |                |                    | X  | X   |  |  |  |  |  |                      |
| 3  | Pad - BG03 @ 0.5'  |              | 9:16         |                 |              |      | X    |       |        | X    |                |                    | X  | X   |  |  |  |  |  |                      |
| 4  | Pad - BG04 @ 0.5'  |              | 9:25         |                 |              |      | X    |       |        | X    |                |                    | X  | X   |  |  |  |  |  |                      |
| 5  | Pad - BG05 @ 0.5'  | ✓            | 9:05         | ✓               |              |      | X    |       |        | X    |                |                    | X  | X   |  |  |  |  |  |                      |
| 6  |                    |              |              |                 |              |      |      |       |        |      |                |                    |    |     |  |  |  |  |  |                      |
| 7  |                    |              |              |                 |              |      |      |       |        |      |                |                    |    |     |  |  |  |  |  |                      |
| 8  |                    |              |              |                 |              |      |      |       |        |      |                |                    |    |     |  |  |  |  |  |                      |
| 9  |                    |              |              |                 |              |      |      |       |        |      |                |                    |    |     |  |  |  |  |  |                      |
| 10 |                    |              |              |                 |              |      |      |       |        |      |                |                    |    |     |  |  |  |  |  |                      |
| 11 |                    |              |              |                 |              |      |      |       |        |      |                |                    |    |     |  |  |  |  |  |                      |
| 12 |                    |              |              |                 |              |      |      |       |        |      |                |                    |    |     |  |  |  |  |  |                      |
| 13 |                    |              |              |                 |              |      |      |       |        |      |                |                    |    |     |  |  |  |  |  |                      |
| 14 |                    |              |              |                 |              |      |      |       |        |      |                |                    |    |     |  |  |  |  |  |                      |
| 15 |                    |              |              |                 |              |      |      |       |        |      |                |                    |    |     |  |  |  |  |  |                      |

|                                       |                                |                                 |                                |  |             |        |
|---------------------------------------|--------------------------------|---------------------------------|--------------------------------|--|-------------|--------|
| Relinquished by: <u>Maxwell Bully</u> | Date/Time: <u>1/5/24 13:08</u> | Received by: <u>[Signature]</u> | Date/Time: <u>1/5/24 13:12</u> | TAT Business Days                            | Field DO    | Notes: |
|                                       |                                |                                 |                                | Same Day <input checked="" type="checkbox"/> | Field EC    |        |
| Relinquished by:                      | Date/Time:                     | Received by:                    | Date/Time:                     | 1 Day <input type="checkbox"/>               | Field ORP   |        |
|                                       |                                |                                 |                                | 2 Days <input type="checkbox"/>              | Field pH    |        |
| Relinquished by:                      | Date/Time:                     | Received by:                    | Date/Time:                     | 3 Days <input type="checkbox"/>              | Field Temp. |        |
|                                       |                                |                                 |                                | Standard <input type="checkbox"/>            | Field Turb. |        |
| Temperature Upon Receipt: <u>38</u>   | Corrected Temperature          | IR gun #: <u>2</u>              | HNO3 lot #:                    |  |             |        |

S<sub>2</sub>

## Sample Receipt Checklist

S2 Work Order# 2401095Client: EnsolumClient Project ID: Blue 3-65 33-32-31Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other ☐

Airbill #: \_\_\_\_\_

|                                     |                          |                          |                          |                          |
|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|

Matrix (Check all that apply)

Air ☐Soil/Solid ☒Water ☐Other ☐

Temp (°C)

38

Thermometer #

2

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

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


Custodian Printed Name

1/5/24 13:12

Date/Time



Ensolum, LLC  
11049 W. 44th Ave, Ste 100  
Wheat Ridge CO, 80033

Project: Civitas - Blue 3-65 33-32-31  
Project Number: 09C2407007  
Project Manager: Tanna Lyon

**Reported:**  
01/11/24 09:06

**Pad-BG01@0.5'**  
**2401095-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **01/05/24 08:55**

| Analyte   | Result | Reporting |          | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------|--------|-----------|----------|----------|---------|----------|----------|-----------|-------|
|           |        | Limit     | Units    |          |         |          |          |           |       |
| Calcium   | 83.0   | 0.0500    | mg/L dry | 1        | BHA0218 | 01/05/24 | 01/09/24 | EPA 6020B |       |
| Magnesium | 20.6   | 0.0500    | "        | "        | "       | "        | "        | "         |       |
| Sodium    | 66.0   | 0.0500    | "        | "        | "       | "        | "        | "         |       |

**Calculated Analysis**

Date Sampled: **01/05/24 08:55**

| Analyte                 | Result | Reporting |       | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|-------------------------|--------|-----------|-------|----------|---------|----------|----------|-------------|-------|
|                         |        | Limit     | Units |          |         |          |          |             |       |
| Sodium Adsorption Ratio | 1.68   | 0.00100   | units | 1        | BHA0338 | 01/09/24 | 01/09/24 | Calculation |       |

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

Date Sampled: **01/05/24 08:55**

| Analyte  | Result | Reporting |       | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|----------|--------|-----------|-------|----------|---------|----------|----------|-------------|-------|
|          |        | Limit     | Units |          |         |          |          |             |       |
| % Solids | 96.9   |           | %     | 1        | BHA0229 | 01/08/24 | 01/08/24 | Calculation |       |

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

Date Sampled: **01/05/24 08:55**

| Analyte | Result | Reporting |          | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------|----------|----------|---------|----------|----------|-----------|-------|
|         |        | Limit     | Units    |          |         |          |          |           |       |
| pH      | 8.08   |           | pH Units | 1        | BHA0261 | 01/08/24 | 01/08/24 | EPA 9045D |       |

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Ensolum, LLC  
11049 W. 44th Ave, Ste 100  
Wheat Ridge CO, 80033

Project: Civitas - Blue 3-65 33-32-31  
Project Number: 09C2407007  
Project Manager: Tanna Lyon

**Reported:**  
01/11/24 09:06

**Pad-BG02@0.5'**  
**2401095-02 (Soil)**

**Summit Scientific**

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

Date Sampled: **01/05/24 08:46**

| Analyte   | Result | Reporting |          | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------|--------|-----------|----------|----------|---------|----------|----------|-----------|-------|
|           |        | Limit     | Units    |          |         |          |          |           |       |
| Calcium   | 127    | 0.0500    | mg/L dry | 1        | BHA0218 | 01/05/24 | 01/09/24 | EPA 6020B |       |
| Magnesium | 38.8   | 0.0500    | "        | "        | "       | "        | "        | "         |       |
| Sodium    | 72.0   | 0.0500    | "        | "        | "       | "        | "        | "         |       |

**Calculated Analysis**

Date Sampled: **01/05/24 08:46**

| Analyte                 | Result | Reporting |       | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|-------------------------|--------|-----------|-------|----------|---------|----------|----------|-------------|-------|
|                         |        | Limit     | Units |          |         |          |          |             |       |
| Sodium Adsorption Ratio | 1.43   | 0.00100   | units | 1        | BHA0338 | 01/09/24 | 01/09/24 | Calculation |       |

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

Date Sampled: **01/05/24 08:46**

| Analyte  | Result | Reporting |       | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|----------|--------|-----------|-------|----------|---------|----------|----------|-------------|-------|
|          |        | Limit     | Units |          |         |          |          |             |       |
| % Solids | 95.8   |           | %     | 1        | BHA0229 | 01/08/24 | 01/08/24 | Calculation |       |

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

Date Sampled: **01/05/24 08:46**

| Analyte | Result | Reporting |          | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------|----------|----------|---------|----------|----------|-----------|-------|
|         |        | Limit     | Units    |          |         |          |          |           |       |
| pH      | 7.88   |           | pH Units | 1        | BHA0261 | 01/08/24 | 01/08/24 | EPA 9045D |       |

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Project: Civitas - Blue 3-65 33-32-31  
Project Number: 09C2407007  
Project Manager: Tanna Lyon

**Reported:**  
01/11/24 09:06

**Pad-BG03@0.5'**  
**2401095-03 (Soil)**

**Summit Scientific**

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

Date Sampled: **01/05/24 09:16**

| Analyte   | Result | Reporting |          | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------|--------|-----------|----------|----------|---------|----------|----------|-----------|-------|
|           |        | Limit     | Units    |          |         |          |          |           |       |
| Calcium   | 33.8   | 0.0500    | mg/L dry | 1        | BHA0218 | 01/05/24 | 01/09/24 | EPA 6020B |       |
| Magnesium | 6.65   | 0.0500    | "        | "        | "       | "        | "        | "         |       |
| Sodium    | 52.0   | 0.0500    | "        | "        | "       | "        | "        | "         |       |

**Calculated Analysis**

Date Sampled: **01/05/24 09:16**

| Analyte                 | Result | Reporting |       | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|-------------------------|--------|-----------|-------|----------|---------|----------|----------|-------------|-------|
|                         |        | Limit     | Units |          |         |          |          |             |       |
| Sodium Adsorption Ratio | 2.14   | 0.00100   | units | 1        | BHA0338 | 01/09/24 | 01/09/24 | Calculation |       |

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

Date Sampled: **01/05/24 09:16**

| Analyte  | Result | Reporting |       | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|----------|--------|-----------|-------|----------|---------|----------|----------|-------------|-------|
|          |        | Limit     | Units |          |         |          |          |             |       |
| % Solids | 94.2   |           | %     | 1        | BHA0229 | 01/08/24 | 01/08/24 | Calculation |       |

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

Date Sampled: **01/05/24 09:16**

| Analyte | Result | Reporting |          | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------|----------|----------|---------|----------|----------|-----------|-------|
|         |        | Limit     | Units    |          |         |          |          |           |       |
| pH      | 8.36   |           | pH Units | 1        | BHA0261 | 01/08/24 | 01/08/24 | EPA 9045D |       |

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Wheat Ridge CO, 80033

Project: Civitas - Blue 3-65 33-32-31  
Project Number: 09C2407007  
Project Manager: Tanna Lyon

**Reported:**  
01/11/24 09:06

**Pad-BG04@0.5'**  
**2401095-04 (Soil)**

**Summit Scientific**

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

Date Sampled: **01/05/24 09:25**

| Analyte   | Result | Reporting |          | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------|--------|-----------|----------|----------|---------|----------|----------|-----------|-------|
|           |        | Limit     | Units    |          |         |          |          |           |       |
| Calcium   | 19.6   | 0.0500    | mg/L dry | 1        | BHA0218 | 01/05/24 | 01/09/24 | EPA 6020B |       |
| Magnesium | 7.29   | 0.0500    | "        | "        | "       | "        | "        | "         |       |
| Sodium    | 70.8   | 0.0500    | "        | "        | "       | "        | "        | "         |       |

**Calculated Analysis**

Date Sampled: **01/05/24 09:25**

| Analyte                 | Result | Reporting |       | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|-------------------------|--------|-----------|-------|----------|---------|----------|----------|-------------|-------|
|                         |        | Limit     | Units |          |         |          |          |             |       |
| Sodium Adsorption Ratio | 3.47   | 0.00100   | units | 1        | BHA0338 | 01/09/24 | 01/09/24 | Calculation |       |

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

Date Sampled: **01/05/24 09:25**

| Analyte  | Result | Reporting |       | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|----------|--------|-----------|-------|----------|---------|----------|----------|-------------|-------|
|          |        | Limit     | Units |          |         |          |          |             |       |
| % Solids | 91.3   |           | %     | 1        | BHA0229 | 01/08/24 | 01/08/24 | Calculation |       |

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

Date Sampled: **01/05/24 09:25**

| Analyte | Result | Reporting |          | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------|----------|----------|---------|----------|----------|-----------|-------|
|         |        | Limit     | Units    |          |         |          |          |           |       |
| pH      | 8.59   |           | pH Units | 1        | BHA0261 | 01/08/24 | 01/08/24 | EPA 9045D |       |

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Project: Civitas - Blue 3-65 33-32-31  
Project Number: 09C2407007  
Project Manager: Tanna Lyon

**Reported:**  
01/11/24 09:06

**Pad-BG05@0.5'**  
**2401095-05 (Soil)**

**Summit Scientific**

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

Date Sampled: **01/05/24 09:05**

| Analyte   | Result      | Reporting |          | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------|-------------|-----------|----------|----------|---------|----------|----------|-----------|-------|
|           |             | Limit     | Units    |          |         |          |          |           |       |
| Calcium   | <b>29.2</b> | 0.0500    | mg/L dry | 1        | BHA0218 | 01/05/24 | 01/09/24 | EPA 6020B |       |
| Magnesium | <b>8.07</b> | 0.0500    | "        | "        | "       | "        | "        | "         |       |
| Sodium    | <b>80.7</b> | 0.0500    | "        | "        | "       | "        | "        | "         |       |

**Calculated Analysis**

Date Sampled: **01/05/24 09:05**

| Analyte                 | Result      | Reporting |       | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|-------------------------|-------------|-----------|-------|----------|---------|----------|----------|-------------|-------|
|                         |             | Limit     | Units |          |         |          |          |             |       |
| Sodium Adsorption Ratio | <b>3.41</b> | 0.00100   | units | 1        | BHA0338 | 01/09/24 | 01/09/24 | Calculation |       |

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

Date Sampled: **01/05/24 09:05**

| Analyte  | Result      | Reporting |       | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|----------|-------------|-----------|-------|----------|---------|----------|----------|-------------|-------|
|          |             | Limit     | Units |          |         |          |          |             |       |
| % Solids | <b>95.0</b> |           | %     | 1        | BHA0229 | 01/08/24 | 01/08/24 | Calculation |       |

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

Date Sampled: **01/05/24 09:05**

| Analyte | Result      | Reporting |          | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|-------------|-----------|----------|----------|---------|----------|----------|-----------|-------|
|         |             | Limit     | Units    |          |         |          |          |           |       |
| pH      | <b>8.54</b> |           | pH Units | 1        | BHA0261 | 01/08/24 | 01/08/24 | EPA 9045D |       |

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11049 W. 44th Ave, Ste 100  
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Project: Civitas - Blue 3-65 33-32-31

Project Number: 09C2407007  
Project Manager: Tanna Lyon

**Reported:**  
01/11/24 09:06

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

**Summit Scientific**

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

**Batch BHA0218 - General Preparation**

**Blank (BHA0218-BLK1)**

Prepared: 01/05/24 Analyzed: 01/09/24

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

**LCS (BHA0218-BS1)**

Prepared: 01/05/24 Analyzed: 01/09/24

|           |      |        |          |      |      |        |
|-----------|------|--------|----------|------|------|--------|
| Calcium   | 5.10 | 0.0500 | mg/L wet | 5.00 | 102  | 70-130 |
| Magnesium | 4.86 | 0.0500 | "        | 5.00 | 97.2 | 70-130 |
| Sodium    | 4.71 | 0.0500 | "        | 5.00 | 94.2 | 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.*



Ensolum, LLC  
11049 W. 44th Ave, Ste 100  
Wheat Ridge CO, 80033

Project: Civitas - Blue 3-65 33-32-31

Project Number: 09C2407007  
Project Manager: Tanna Lyon

**Reported:**  
01/11/24 09:06

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

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

**Batch BHA0229 - General Preparation**

| Duplicate (BHA0229-DUP1) |      | Source: 2312472-01 |   | Prepared & Analyzed: 01/08/24 |      |  |  |       |    |  |
|--------------------------|------|--------------------|---|-------------------------------|------|--|--|-------|----|--|
| % Solids                 | 85.8 |                    | % |                               | 85.6 |  |  | 0.284 | 20 |  |

Summit Scientific

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Project: Civitas - Blue 3-65 33-32-31

Project Number: 09C2407007  
Project Manager: Tanna Lyon

**Reported:**  
01/11/24 09:06

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

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

**Batch BHA0261 - General Preparation**

**LCS (BHA0261-BS1)**

Prepared & Analyzed: 01/08/24

|    |      |          |      |      |        |
|----|------|----------|------|------|--------|
| pH | 9.17 | pH Units | 9.18 | 99.9 | 95-105 |
|----|------|----------|------|------|--------|

**Duplicate (BHA0261-DUP1)**

**Source: 2312534-01**

Prepared & Analyzed: 01/08/24

|    |      |          |      |       |    |
|----|------|----------|------|-------|----|
| pH | 6.41 | pH Units | 6.39 | 0.312 | 20 |
|----|------|----------|------|-------|----|

Summit Scientific

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11049 W. 44th Ave, Ste 100  
Wheat Ridge CO, 80033

Project: Civitas - Blue 3-65 33-32-31

Project Number: 09C2407007  
Project Manager: Tanna Lyon

**Reported:**  
01/11/24 09:06

### Notes and Definitions

|     |  |
|-----|--|
| DET | Analyte DETECTED                                     |
| ND  | Analyte NOT DETECTED at or above the reporting limit |
| NR  | Not Reported   |
| dry | Sample results reported on a dry weight basis        |
| RPD | Relative Percent Difference                          |