

# Summit Scientific

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4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

March 14, 2024

Costin McQueen  
Civitas Resources  
650 Southgate Drive  
Windsor, CO 80550

RE: Mickey #7

Work Order #2402469

Enclosed are the results of analyses for samples received by Summit Scientific on 02/27/24 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Mikayla Axtell For Paul Shrewsbury  
President



Civitas Resources  
650 Southgate Drive  
Windsor CO, 80550

Project: Mickey #7

Project Number: [none]

Project Manager: Costin McQueen

**Reported:**  
03/14/24 07:27

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|-----------|---------------|--------|----------------|----------------|
| WC-01     | 2402469-01    | Soil   | 02/25/24 15:30 | 02/27/24 16:30 |
| WCBK-01   | 2402469-02    | Soil   | 02/25/24 15:40 | 02/27/24 16:30 |

Summit Scientific

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|  |  |   |  |   |  |
|--|--|---|--|---|--|
| Client: <u>Civitas Resources</u>         |  | Send Data To:                                 |  | Send Invoice To:                        |  |
| Address: <u>650 Southgate Dr</u>         |  | Project Manager: <u>Costin McQueen</u>        |  | Company: <u>Civitas</u>                 |  |
| City/State/Zip: <u>Windsor, CO 80550</u> |  | E-Mail: <u>C.McQueen@Civitasresources.com</u> |  | Project Name/Location: <u>Mickey #7</u> |  |
| Phone: <u>720-438-9064</u>               |  | C.Frost@Civitasresources.com                  |  | AFE#: <u>C/C: COX0920</u>               |  |
| Sampler Name: <u>Com Frost</u>           |  | Project Name: <u>Mickey #7</u>                |  | PO/Billing Codes: <u>m/m: 8520.162</u>  |  |
|  |  | Project Number:                               |  | Contact: <u>Costin McQueen</u>          |  |

|    |                    |              |              |                 | Preservative |      |      |       | Matrix |      |                |       | Analysis Requested |  |  |  |  |  |  |  | Special Instructions |                                |
|----|--------------------|--------------|--------------|-----------------|--------------|------|------|-------|--------|------|----------------|-------|--------------------|--|--|--|--|--|--|--|----------------------|--------------------------------|
| ID | Sample Description | Date Sampled | Time Sampled | # of containers | HCl          | HNO3 | None | Other | Water  | Soil | Air-Canister # | Other |                    |  |  |  |  |  |  |  |                      |                                |
| 1  | WC-01              | 2-25-24      | 3:30 pm      | 2               |              |      |      |       |        | X    |                |       |                    |  |  |  |  |  |  |  |                      | Full 915                       |
| 2  | WCBK-01            | 2-25-24      | 3:40 pm      | 2               |              |      |      |       |        | X    |                |       |                    |  |  |  |  |  |  |  |                      | 915 metals, EC, SAR, PH, Barom |
| 3  |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |  |  |  |  |  |  |  |                      |                                |
| 4  |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |  |  |  |  |  |  |  |                      |                                |
| 5  |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |  |  |  |  |  |  |  |                      |                                |
| 6  |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |  |  |  |  |  |  |  |                      |                                |
| 7  |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |  |  |  |  |  |  |  |                      |                                |
| 8  |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |  |  |  |  |  |  |  |                      |                                |
| 9  |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |  |  |  |  |  |  |  |                      |                                |
| 10 |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |  |  |  |  |  |  |  |                      |                                |
| 11 |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |  |  |  |  |  |  |  |                      |                                |
| 12 |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |  |  |  |  |  |  |  |                      |                                |
| 13 |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |  |  |  |  |  |  |  |                      |                                |
| 14 |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |  |  |  |  |  |  |  |                      |                                |
| 15 |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |  |  |  |  |  |  |  |                      |                                |

|                                      |                                 |                    |                               |  |             |        |
|--------------------------------------|---------------------------------|--------------------|-------------------------------|--|-------------|--------|
| Relinquished by:                     | Date/Time:                      | Received by:       | Date/Time:                    | TAT Business Days                            | Field DO    | Notes: |
| <u>Com Frost</u>                     | <u>2-26-24/5:30 pm</u>          |                    |                               | Same Day <input checked="" type="checkbox"/> | Field EC    |        |
| Relinquished by:                     | Date/Time:                      | Received by:       | Date/Time:                    | 1 Day  | Field ORP   |        |
| <u>SL</u>                            | <u>2/27/24</u><br><u>1030</u>   | <u>[Signature]</u> | <u>2/27/24</u><br><u>1030</u> | 2 Days                                       | Field pH    |        |
| Relinquished by:                     | Date/Time:                      | Received by:       | Date/Time:                    | 3 Days                                       | Field Temp. |        |
|                                      |                                 |                    |                               | Standard                                     | Field Turb. |        |
| Temperature Upon Receipt: <u>6.6</u> | Corrected Temperature: <u>e</u> | IR gun #: <u>1</u> | HNO3 lot #: <u></u>           |  |             |        |

S<sub>2</sub>

## Sample Receipt Checklist

S2 Work Order# 2402469Client: CintasClient Project ID: Mickey #7Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other ☐Airbill #:                     

|                          |                          |                          |                          |                          |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <input 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)

Thermometer #

|   | Yes                                 | No                       | N/A                                 | Comments (if any) |
|---|-------------------------------------|--------------------------|-------------------------------------|-------------------|
| If samples require cooling, is the temperature < 6°C? <sup>(1)</sup><br>NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.   | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | on ICE            |
| If custody seals are present, are they intact? <sup>(1)</sup>   | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            |                   |
| Are samples due within 48 hours present?  | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | Same day          |
| 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 type="checkbox"/>            |                   |
| Is a chain-of-custody (COC) form present and filled out Completely? <sup>(1)</sup>  | <input 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 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>  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |                   |
| For volatiles in water – is there headspace present? If yes, contact client and note in narrative.  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | "                 |
| Are samples preserved that require preservation (excluding cooling)? <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.
AS  
Custodian Printed Name

2/27/24  
Date/Time



Civitas Resources  
650 Southgate Drive  
Windsor CO, 80550

Project: Mickey #7

Project Number: [none]  
Project Manager: Costin McQueen

**Reported:**  
03/14/24 07:27

**WC-01**  
**2402469-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **02/25/24 15:30**

| Analyte                     | Result | Reporting |  | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
|                             |        | Limit     |  |       |          |         |          |          |           |       |
| Benzene                     | ND     | 0.0020    |  | mg/kg | 1        | BHB0859 | 02/27/24 | 02/27/24 | 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: **02/25/24 15:30**

| Analyte                          | Result | Reporting |  | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
|                                  |        | Limit     |  |        |          |       |          |          |        |       |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0336 | 84.0 %    |  | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            | 0.0411 | 103 %     |  | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  | 0.0408 | 102 %     |  | 50-150 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **02/25/24 15:30**

| Analyte       | Result | Reporting |  | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
|               |        | Limit     |  |       |          |         |          |          |           |       |
| C10-C28 (DRO) | ND     | 50        |  | mg/kg | 1        | BHB0862 | 02/27/24 | 02/27/24 | EPA 8015M |       |
| C28-C36 (ORO) | ND     | 50        |  | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/25/24 15:30**

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

**PAH by EPA Method 8270D SIM**

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Civitas Resources  
650 Southgate Drive  
Windsor CO, 80550

Project: Mickey #7

Project Number: [none]  
Project Manager: Costin McQueen

**Reported:**  
03/14/24 07:27

**WC-01**  
**2402469-01 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **02/25/24 15:30**

| Analyte                  | Result         | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|--------------------------|----------------|-----------|-------|----------|---------|----------|----------|---------------|-------|
|                          |                | Limit     |       |          |         |          |          |               |       |
| Acenaphthene             | ND             | 0.00500   | mg/kg | 1        | BHB0879 | 02/28/24 | 02/28/24 | EPA 8270D SIM |       |
| Anthracene               | ND             | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| Benzo (a) anthracene     | ND             | 0.00500   | "     | "        | "       | "        | "        | "             |       |
| <b>Benzo (a) pyrene</b>  | <b>0.00573</b> | 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: **02/25/24 15:30**

| Analyte                            | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                    |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0243 | 72.9 %    | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        | 0.0204 | 61.2 %    | 40-150 |          | "     | "        | "        | "      |       |

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

Date Sampled: **02/25/24 15:30**

| Analyte | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|         |        | Limit     |       |          |         |          |          |           |       |
| Boron   | ND     | 2.00      | mg/L  | 1        | BHC0181 | 03/07/24 | 03/11/24 | EPA 6020B |       |

**Total Metals by EPA 6020B**

Date Sampled: **02/25/24 15:30**

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

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Civitas Resources  
650 Southgate Drive  
Windsor CO, 80550

Project: Mickey #7

Project Number: [none]  
Project Manager: Costin McQueen

**Reported:**  
03/14/24 07:27

**WC-01**  
**2402469-01 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

|          |       |        |           |   |         |          |          |           |
|----------|-------|--------|-----------|---|---------|----------|----------|-----------|
| Arsenic  | 3.56  | 0.200  | mg/kg dry | 1 | BHC0007 | 03/01/24 | 03/04/24 | EPA 6020B |
| Barium   | 101   | 0.400  | "         | " | "       | "        | "        | "         |
| Cadmium  | 0.218 | 0.200  | "         | " | "       | "        | "        | "         |
| Copper   | 4.70  | 0.400  | "         | " | "       | "        | "        | "         |
| Lead     | 5.35  | 0.200  | "         | " | "       | "        | "        | "         |
| Nickel   | 3.59  | 0.400  | "         | " | "       | "        | "        | "         |
| Silver   | ND    | 0.0200 | "         | " | "       | "        | "        | "         |
| Zinc     | 41.5  | 0.400  | "         | " | "       | "        | "        | "         |
| Selenium | ND    | 0.260  | "         | " | "       | "        | "        | "         |

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **02/25/24 15:30**

| Analyte              | Result | Reporting Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND     | 0.30            | mg/kg dry | 1        | BHC0305 | 03/12/24 | 03/13/24 | EPA 7196A |       |

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

Date Sampled: **02/25/24 15:30**

| Analyte   | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium   | 2640   | 0.0500          | mg/L dry | 1        | BHB0864 | 02/27/24 | 03/01/24 | EPA 6020B |       |
| Magnesium | 273    | 0.0500          | "        | "        | "       | "        | "        | "         |       |
| Sodium    | 5360   | 0.0500          | "        | "        | "       | "        | "        | "         |       |

**Calculated Analysis**

Date Sampled: **02/25/24 15:30**

| Analyte                 | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 26.6   | 0.00100         | units | 1        | BHC0151 | 03/06/24 | 03/06/24 | Calculation |       |

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

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Civitas Resources  
650 Southgate Drive  
Windsor CO, 80550

Project: Mickey #7

Project Number: [none]  
Project Manager: Costin McQueen

**Reported:**  
03/14/24 07:27

**WC-01**  
**2402469-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **02/25/24 15:30**

| Analyte  | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 93.0   |                 | %     | 1        | BHC0072 | 03/05/24 | 03/05/24 | Calculation |       |

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

Date Sampled: **02/25/24 15:30**

| Analyte                   | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.0393 | 0.0100          | mmhos/cm | 1        | BHB0866 | 02/27/24 | 02/28/24 | EPA 120.1 |       |

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

Date Sampled: **02/25/24 15:30**

| Analyte | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH      | 7.11   |                 | pH Units | 1        | BHB0867 | 02/27/24 | 02/28/24 | EPA 9045D |       |

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650 Southgate Drive  
Windsor CO, 80550

Project: Mickey #7

Project Number: [none]  
Project Manager: Costin McQueen

**Reported:**  
03/14/24 07:27

**WCBK-01**  
**2402469-02 (Soil)**

**Summit Scientific**

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

Date Sampled: **02/25/24 15:40**

| Analyte | Result | Reporting |  | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
|         |        | Limit     |  |       |          |         |          |          |           |       |
| Boron   | ND     | 2.00      |  | mg/L  | 1        | BHC0181 | 03/07/24 | 03/11/24 | EPA 6020B |       |

**Total Metals by EPA 6020B**

Date Sampled: **02/25/24 15:40**

| Analyte  | Result | Reporting |  | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------|--------|-----------|--|-----------|----------|---------|----------|----------|-----------|-------|
|          |        | Limit     |  |           |          |         |          |          |           |       |
| Arsenic  | 3.52   | 0.200     |  | mg/kg dry | 1        | BHC0007 | 03/01/24 | 03/04/24 | EPA 6020B |       |
| Barium   | 111    | 0.400     |  | "         | "        | "       | "        | "        | "         |       |
| Cadmium  | 0.214  | 0.200     |  | "         | "        | "       | "        | "        | "         |       |
| Copper   | 6.01   | 0.400     |  | "         | "        | "       | "        | "        | "         |       |
| Lead     | 7.37   | 0.200     |  | "         | "        | "       | "        | "        | "         |       |
| Nickel   | 6.77   | 0.400     |  | "         | "        | "       | "        | "        | "         |       |
| Silver   | 0.0400 | 0.0200    |  | "         | "        | "       | "        | "        | "         |       |
| Zinc     | 24.7   | 0.400     |  | "         | "        | "       | "        | "        | "         |       |
| Selenium | 1.10   | 0.260     |  | "         | "        | "       | "        | "        | "         |       |

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **02/25/24 15:40**

| Analyte              | Result | Reporting |  | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|--------|-----------|--|-----------|----------|---------|----------|----------|-----------|-------|
|                      |        | Limit     |  |           |          |         |          |          |           |       |
| Chromium, Hexavalent | ND     | 0.30      |  | mg/kg dry | 1        | BHC0305 | 03/12/24 | 03/13/24 | EPA 7196A |       |

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

Date Sampled: **02/25/24 15:40**

| Analyte   | Result | Reporting |  | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------|--------|-----------|--|----------|----------|---------|----------|----------|-----------|-------|
|           |        | Limit     |  |          |          |         |          |          |           |       |
| Calcium   | 284    | 0.0500    |  | mg/L dry | 1        | BHB0864 | 02/27/24 | 03/01/24 | EPA 6020B |       |
| Magnesium | 36.3   | 0.0500    |  | "        | "        | "       | "        | "        | "         |       |
| Sodium    | 7.84   | 0.0500    |  | "        | "        | "       | "        | "        | "         |       |

**Calculated Analysis**

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650 Southgate Drive  
Windsor CO, 80550

Project: Mickey #7

Project Number: [none]  
Project Manager: Costin McQueen

**Reported:**  
03/14/24 07:27

**WCBK-01**  
**2402469-02 (Soil)**

**Summit Scientific**

**Calculated Analysis**

Date Sampled: **02/25/24 15:40**

| Analyte                 | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|-------------------------|--------|--------------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.116  | 0.00100            | units | 1        | BHC0151 | 03/06/24 | 03/06/24 | Calculation |       |

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

Date Sampled: **02/25/24 15:40**

| Analyte  | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|----------|--------|--------------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 88.1   |                    | %     | 1        | BHC0072 | 03/05/24 | 03/05/24 | Calculation |       |

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

Date Sampled: **02/25/24 15:40**

| Analyte                   | Result | Reporting<br>Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------------|--------|--------------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.235  | 0.0100             | mmhos/cm | 1        | BHB0866 | 02/27/24 | 02/28/24 | EPA 120.1 |       |

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

Date Sampled: **02/25/24 15:40**

| Analyte | Result | Reporting<br>Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|--------------------|----------|----------|---------|----------|----------|-----------|-------|
| pH      | 8.90   |                    | pH Units | 1        | BHB0867 | 02/27/24 | 02/28/24 | EPA 9045D |       |

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Windsor CO, 80550

Project: Mickey #7

Project Number: [none]  
Project Manager: Costin McQueen

**Reported:**  
03/14/24 07:27

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

### Summit Scientific

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

#### Batch BHB0859 - EPA 5030 Soil MS

##### Blank (BHB0859-BLK1)

Prepared: 02/27/24 Analyzed: 02/28/24

|                                  |        |        |       |        |  |      |        |  |  |  |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Benzene                          | ND     | 0.0020 | mg/kg |        |  |      |        |  |  |  |
| Toluene                          | ND     | 0.0050 | "     |        |  |      |        |  |  |  |
| Ethylbenzene                     | ND     | 0.0050 | "     |        |  |      |        |  |  |  |
| Xylenes (total)                  | ND     | 0.010  | "     |        |  |      |        |  |  |  |
| 1,2,4-Trimethylbenzene           | ND     | 0.0050 | "     |        |  |      |        |  |  |  |
| 1,3,5-Trimethylbenzene           | ND     | 0.0050 | "     |        |  |      |        |  |  |  |
| Naphthalene                      | ND     | 0.0038 | "     |        |  |      |        |  |  |  |
| Gasoline Range Hydrocarbons      | ND     | 0.50   | "     |        |  |      |        |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0345 |        | "     | 0.0400 |  | 86.2 | 50-150 |  |  |  |
| Surrogate: Toluene-d8            | 0.0431 |        | "     | 0.0400 |  | 108  | 50-150 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 0.0416 |        | "     | 0.0400 |  | 104  | 50-150 |  |  |  |

##### LCS (BHB0859-BS1)

Prepared: 02/27/24 Analyzed: 02/28/24

|                                  |        |        |       |        |  |      |        |  |  |  |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Benzene                          | 0.0910 | 0.0020 | mg/kg | 0.100  |  | 91.0 | 70-130 |  |  |  |
| Toluene                          | 0.0913 | 0.0050 | "     | 0.100  |  | 91.3 | 70-130 |  |  |  |
| Ethylbenzene                     | 0.0901 | 0.0050 | "     | 0.100  |  | 90.1 | 70-130 |  |  |  |
| m,p-Xylene                       | 0.171  | 0.010  | "     | 0.200  |  | 85.7 | 70-130 |  |  |  |
| o-Xylene                         | 0.0860 | 0.0050 | "     | 0.100  |  | 86.0 | 70-130 |  |  |  |
| 1,2,4-Trimethylbenzene           | 0.0846 | 0.0050 | "     | 0.100  |  | 84.6 | 70-130 |  |  |  |
| 1,3,5-Trimethylbenzene           | 0.0806 | 0.0050 | "     | 0.100  |  | 80.6 | 70-130 |  |  |  |
| Naphthalene                      | 0.101  | 0.0038 | "     | 0.100  |  | 101  | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0326 |        | "     | 0.0400 |  | 81.4 | 50-150 |  |  |  |
| Surrogate: Toluene-d8            | 0.0402 |        | "     | 0.0400 |  | 101  | 50-150 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 0.0390 |        | "     | 0.0400 |  | 97.6 | 50-150 |  |  |  |

##### Matrix Spike (BHB0859-MS1)

Source: 2402467-01

Prepared: 02/27/24 Analyzed: 02/28/24

|                                  |        |        |       |        |    |      |        |  |  |  |
|----------------------------------|--------|--------|-------|--------|----|------|--------|--|--|--|
| Benzene                          | 0.0851 | 0.0020 | mg/kg | 0.100  | ND | 85.1 | 70-130 |  |  |  |
| Toluene                          | 0.0852 | 0.0050 | "     | 0.100  | ND | 85.2 | 70-130 |  |  |  |
| Ethylbenzene                     | 0.0832 | 0.0050 | "     | 0.100  | ND | 83.2 | 70-130 |  |  |  |
| m,p-Xylene                       | 0.158  | 0.010  | "     | 0.200  | ND | 79.1 | 70-130 |  |  |  |
| o-Xylene                         | 0.0801 | 0.0050 | "     | 0.100  | ND | 80.1 | 70-130 |  |  |  |
| 1,2,4-Trimethylbenzene           | 0.0777 | 0.0050 | "     | 0.100  | ND | 77.7 | 70-130 |  |  |  |
| 1,3,5-Trimethylbenzene           | 0.0748 | 0.0050 | "     | 0.100  | ND | 74.8 | 70-130 |  |  |  |
| Naphthalene                      | 0.0946 | 0.0038 | "     | 0.100  | ND | 94.6 | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0334 |        | "     | 0.0400 |    | 83.5 | 50-150 |  |  |  |
| Surrogate: Toluene-d8            | 0.0405 |        | "     | 0.0400 |    | 101  | 50-150 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 0.0398 |        | "     | 0.0400 |    | 99.4 | 50-150 |  |  |  |

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Project: Mickey #7

Project Number: [none]  
Project Manager: Costin McQueen

**Reported:**  
03/14/24 07:27

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

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

**Batch BHB0859 - EPA 5030 Soil MS**

| Matrix Spike Dup (BHB0859-MSD1)  |        | Source: 2402467-01 |       |        | Prepared: 02/27/24 Analyzed: 02/28/24 |      |        |       |    |  |
|----------------------------------|--------|--------------------|-------|--------|---------------------------------------|------|--------|-------|----|--|
| Benzene                          | 0.0833 | 0.0020             | mg/kg | 0.100  | ND                                    | 83.3 | 70-130 | 2.21  | 30 |  |
| Toluene                          | 0.0838 | 0.0050             | "     | 0.100  | ND                                    | 83.8 | 70-130 | 1.63  | 30 |  |
| Ethylbenzene                     | 0.0819 | 0.0050             | "     | 0.100  | ND                                    | 81.9 | 70-130 | 1.60  | 30 |  |
| m,p-Xylene                       | 0.156  | 0.010              | "     | 0.200  | ND                                    | 77.9 | 70-130 | 1.51  | 30 |  |
| o-Xylene                         | 0.0797 | 0.0050             | "     | 0.100  | ND                                    | 79.7 | 70-130 | 0.526 | 30 |  |
| 1,2,4-Trimethylbenzene           | 0.0779 | 0.0050             | "     | 0.100  | ND                                    | 77.9 | 70-130 | 0.347 | 30 |  |
| 1,3,5-Trimethylbenzene           | 0.0743 | 0.0050             | "     | 0.100  | ND                                    | 74.3 | 70-130 | 0.724 | 30 |  |
| Naphthalene                      | 0.0901 | 0.0038             | "     | 0.100  | ND                                    | 90.1 | 70-130 | 4.94  | 30 |  |
| <hr/>                            |        |                    |       |        |                                       |      |        |       |    |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0327 |                    | "     | 0.0400 |                                       | 81.7 | 50-150 |       |    |  |
| Surrogate: Toluene-d8            | 0.0406 |                    | "     | 0.0400 |                                       | 101  | 50-150 |       |    |  |
| Surrogate: 4-Bromofluorobenzene  | 0.0404 |                    | "     | 0.0400 |                                       | 101  | 50-150 |       |    |  |

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Project: Mickey #7  
Project Number: [none]  
Project Manager: Costin McQueen

**Reported:**  
03/14/24 07:27

**Extractable Petroleum Hydrocarbons by 8015 - Quality Control**  
**Summit Scientific**

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

**Batch BHB0862 - EPA 3550A**

**Blank (BHB0862-BLK1)**

Prepared: 02/27/24 Analyzed: 02/28/24

|                        |      |    |       |      |  |      |        |  |  |  |
|------------------------|------|----|-------|------|--|------|--------|--|--|--|
| C10-C28 (DRO)          | ND   | 50 | mg/kg |      |  |      |        |  |  |  |
| C28-C36 (ORO)          | ND   | 50 | "     |      |  |      |        |  |  |  |
| Surrogate: o-Terphenyl | 10.6 |    | "     | 12.5 |  | 85.1 | 30-150 |  |  |  |

**LCS (BHB0862-BS1)**

Prepared: 02/27/24 Analyzed: 02/28/24

|                        |      |    |       |      |  |      |        |  |  |  |
|------------------------|------|----|-------|------|--|------|--------|--|--|--|
| C10-C28 (DRO)          | 509  | 50 | mg/kg | 500  |  | 102  | 70-130 |  |  |  |
| Surrogate: o-Terphenyl | 10.1 |    | "     | 12.5 |  | 81.1 | 30-150 |  |  |  |

**Matrix Spike (BHB0862-MS1)**

Source: 2402467-01

Prepared: 02/27/24 Analyzed: 02/28/24

|                        |      |    |       |      |      |      |        |  |  |  |
|------------------------|------|----|-------|------|------|------|--------|--|--|--|
| C10-C28 (DRO)          | 506  | 50 | mg/kg | 500  | 17.1 | 97.9 | 70-130 |  |  |  |
| Surrogate: o-Terphenyl | 15.8 |    | "     | 12.5 |      | 126  | 30-150 |  |  |  |

**Matrix Spike Dup (BHB0862-MSD1)**

Source: 2402467-01

Prepared: 02/27/24 Analyzed: 02/28/24

|                        |      |    |       |      |      |      |        |      |    |  |
|------------------------|------|----|-------|------|------|------|--------|------|----|--|
| C10-C28 (DRO)          | 500  | 50 | mg/kg | 500  | 17.1 | 96.6 | 70-130 | 1.23 | 20 |  |
| Surrogate: o-Terphenyl | 16.3 |    | "     | 12.5 |      | 130  | 30-150 |      |    |  |

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Project: Mickey #7  
Project Number: [none]  
Project Manager: Costin McQueen

**Reported:**  
03/14/24 07:27

## PAH by EPA Method 8270D SIM - Quality Control

### Summit Scientific

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

#### Batch BHB0879 - EPA 5030 Soil MS

##### Blank (BHB0879-BLK1)

Prepared & Analyzed: 02/28/24

|                                    |        |         |       |        |  |      |        |  |  |  |
|------------------------------------|--------|---------|-------|--------|--|------|--------|--|--|--|
| Acenaphthene                       | ND     | 0.00500 | mg/kg |        |  |      |        |  |  |  |
| Anthracene                         | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Benzo (a) anthracene               | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Benzo (a) pyrene                   | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Benzo (b) fluoranthene             | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Benzo (k) fluoranthene             | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Chrysene                           | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Dibenz (a,h) anthracene            | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Fluoranthene                       | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Fluorene                           | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Indeno (1,2,3-cd) pyrene           | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Pyrene                             | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| 1-Methylnaphthalene                | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| 2-Methylnaphthalene                | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0372 |         | "     | 0.0333 |  | 112  | 40-150 |  |  |  |
| Surrogate: Fluoranthene-d10        | 0.0237 |         | "     | 0.0333 |  | 71.1 | 40-150 |  |  |  |

##### LCS (BHB0879-BS1)

Prepared & Analyzed: 02/28/24

|                                    |        |         |       |        |  |      |        |  |  |  |
|------------------------------------|--------|---------|-------|--------|--|------|--------|--|--|--|
| Acenaphthene                       | 0.0378 | 0.00500 | mg/kg | 0.0333 |  | 113  | 31-137 |  |  |  |
| Anthracene                         | 0.0390 | 0.00500 | "     | 0.0333 |  | 117  | 30-120 |  |  |  |
| Benzo (a) anthracene               | 0.0330 | 0.00500 | "     | 0.0333 |  | 99.1 | 30-120 |  |  |  |
| Benzo (a) pyrene                   | 0.0321 | 0.00500 | "     | 0.0333 |  | 96.3 | 30-120 |  |  |  |
| Benzo (b) fluoranthene             | 0.0321 | 0.00500 | "     | 0.0333 |  | 96.4 | 30-120 |  |  |  |
| Benzo (k) fluoranthene             | 0.0380 | 0.00500 | "     | 0.0333 |  | 114  | 30-120 |  |  |  |
| Chrysene                           | 0.0386 | 0.00500 | "     | 0.0333 |  | 116  | 30-120 |  |  |  |
| Dibenz (a,h) anthracene            | 0.0259 | 0.00500 | "     | 0.0333 |  | 77.8 | 30-120 |  |  |  |
| Fluoranthene                       | 0.0363 | 0.00500 | "     | 0.0333 |  | 109  | 30-120 |  |  |  |
| Fluorene                           | 0.0378 | 0.00500 | "     | 0.0333 |  | 114  | 30-120 |  |  |  |
| Indeno (1,2,3-cd) pyrene           | 0.0257 | 0.00500 | "     | 0.0333 |  | 77.0 | 30-120 |  |  |  |
| Pyrene                             | 0.0404 | 0.00500 | "     | 0.0333 |  | 121  | 35-142 |  |  |  |
| 1-Methylnaphthalene                | 0.0311 | 0.00500 | "     | 0.0333 |  | 93.4 | 35-142 |  |  |  |
| 2-Methylnaphthalene                | 0.0420 | 0.00500 | "     | 0.0333 |  | 126  | 35-142 |  |  |  |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0195 |         | "     | 0.0333 |  | 58.4 | 40-150 |  |  |  |
| Surrogate: Fluoranthene-d10        | 0.0260 |         | "     | 0.0333 |  | 78.1 | 40-150 |  |  |  |

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Windsor CO, 80550

Project: Mickey #7

Project Number: [none]  
Project Manager: Costin McQueen

**Reported:**  
03/14/24 07:27

## PAH by EPA Method 8270D SIM - Quality Control

### Summit Scientific

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

#### Batch BHB0879 - EPA 5030 Soil MS

##### Matrix Spike (BHB0879-MS1)

Source: 2402467-01

Prepared & Analyzed: 02/28/24

|                                    |        |         |       |        |    |      |        |  |  |
|------------------------------------|--------|---------|-------|--------|----|------|--------|--|--|
| Acenaphthene                       | 0.0160 | 0.00500 | mg/kg | 0.0333 | ND | 47.9 | 31-137 |  |  |
| Anthracene                         | 0.0193 | 0.00500 | "     | 0.0333 | ND | 58.0 | 30-120 |  |  |
| Benzo (a) anthracene               | 0.0182 | 0.00500 | "     | 0.0333 | ND | 54.6 | 30-120 |  |  |
| Benzo (a) pyrene                   | 0.0179 | 0.00500 | "     | 0.0333 | ND | 53.7 | 30-120 |  |  |
| Benzo (b) fluoranthene             | 0.0149 | 0.00500 | "     | 0.0333 | ND | 44.8 | 30-120 |  |  |
| Benzo (k) fluoranthene             | 0.0166 | 0.00500 | "     | 0.0333 | ND | 49.9 | 30-120 |  |  |
| Chrysene                           | 0.0188 | 0.00500 | "     | 0.0333 | ND | 56.4 | 30-120 |  |  |
| Dibenz (a,h) anthracene            | 0.0149 | 0.00500 | "     | 0.0333 | ND | 44.7 | 30-120 |  |  |
| Fluoranthene                       | 0.0186 | 0.00500 | "     | 0.0333 | ND | 55.9 | 30-120 |  |  |
| Fluorene                           | 0.0173 | 0.00500 | "     | 0.0333 | ND | 51.8 | 30-120 |  |  |
| Indeno (1,2,3-cd) pyrene           | 0.0144 | 0.00500 | "     | 0.0333 | ND | 43.3 | 30-120 |  |  |
| Pyrene                             | 0.0203 | 0.00500 | "     | 0.0333 | ND | 60.9 | 35-142 |  |  |
| 1-Methylnaphthalene                | 0.0194 | 0.00500 | "     | 0.0333 | ND | 58.2 | 15-130 |  |  |
| 2-Methylnaphthalene                | 0.0191 | 0.00500 | "     | 0.0333 | ND | 57.4 | 15-130 |  |  |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0158 |         | "     | 0.0333 |    | 47.3 | 40-150 |  |  |
| Surrogate: Fluoranthene-d10        | 0.0134 |         | "     | 0.0333 |    | 40.1 | 40-150 |  |  |

##### Matrix Spike Dup (BHB0879-MSD1)

Source: 2402467-01

Prepared & Analyzed: 02/28/24

|                                    |        |         |       |        |    |      |        |      |    |
|------------------------------------|--------|---------|-------|--------|----|------|--------|------|----|
| Acenaphthene                       | 0.0177 | 0.00500 | mg/kg | 0.0333 | ND | 53.0 | 31-137 | 10.1 | 30 |
| Anthracene                         | 0.0214 | 0.00500 | "     | 0.0333 | ND | 64.1 | 30-120 | 10.1 | 30 |
| Benzo (a) anthracene               | 0.0201 | 0.00500 | "     | 0.0333 | ND | 60.3 | 30-120 | 9.92 | 30 |
| Benzo (a) pyrene                   | 0.0195 | 0.00500 | "     | 0.0333 | ND | 58.4 | 30-120 | 8.36 | 30 |
| Benzo (b) fluoranthene             | 0.0163 | 0.00500 | "     | 0.0333 | ND | 49.0 | 30-120 | 9.03 | 30 |
| Benzo (k) fluoranthene             | 0.0178 | 0.00500 | "     | 0.0333 | ND | 53.4 | 30-120 | 6.77 | 30 |
| Chrysene                           | 0.0201 | 0.00500 | "     | 0.0333 | ND | 60.4 | 30-120 | 6.92 | 30 |
| Dibenz (a,h) anthracene            | 0.0164 | 0.00500 | "     | 0.0333 | ND | 49.3 | 30-120 | 9.81 | 30 |
| Fluoranthene                       | 0.0200 | 0.00500 | "     | 0.0333 | ND | 60.0 | 30-120 | 7.02 | 30 |
| Fluorene                           | 0.0186 | 0.00500 | "     | 0.0333 | ND | 55.9 | 30-120 | 7.62 | 30 |
| Indeno (1,2,3-cd) pyrene           | 0.0157 | 0.00500 | "     | 0.0333 | ND | 47.2 | 30-120 | 8.69 | 30 |
| Pyrene                             | 0.0213 | 0.00500 | "     | 0.0333 | ND | 63.8 | 35-142 | 4.63 | 30 |
| 1-Methylnaphthalene                | 0.0144 | 0.00500 | "     | 0.0333 | ND | 43.3 | 15-130 | 29.3 | 50 |
| 2-Methylnaphthalene                | 0.0176 | 0.00500 | "     | 0.0333 | ND | 52.8 | 15-130 | 8.41 | 50 |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0142 |         | "     | 0.0333 |    | 42.7 | 40-150 |      |    |
| Surrogate: Fluoranthene-d10        | 0.0146 |         | "     | 0.0333 |    | 43.8 | 40-150 |      |    |

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Civitas Resources  
650 Southgate Drive  
Windsor CO, 80550

Project: Mickey #7

Project Number: [none]  
Project Manager: Costin McQueen

**Reported:**  
03/14/24 07:27

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

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

**Batch BHC0181 - EPA 3050B**

**Blank (BHC0181-BLK1)**

Prepared: 03/07/24 Analyzed: 03/11/24

Boron ND 2.00 mg/L

**LCS (BHC0181-BS1)**

Prepared: 03/07/24 Analyzed: 03/11/24

Boron 4.68 2.00 mg/L 5.00 93.6 80-120

**Duplicate (BHC0181-DUP1)**

**Source: 2402448-01**

Prepared: 03/07/24 Analyzed: 03/11/24

Boron ND 2.00 mg/L 0.0120 200 20 QR-01

**Matrix Spike (BHC0181-MS1)**

**Source: 2402448-01**

Prepared: 03/07/24 Analyzed: 03/11/24

Boron 4.52 2.00 mg/L 5.00 0.0120 90.2 75-125

**Matrix Spike Dup (BHC0181-MSD1)**

**Source: 2402448-01**

Prepared: 03/07/24 Analyzed: 03/11/24

Boron 4.40 2.00 mg/L 5.00 0.0120 87.8 75-125 2.69 25

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Civitas Resources  
650 Southgate Drive  
Windsor CO, 80550

Project: Mickey #7

Project Number: [none]  
Project Manager: Costin McQueen

**Reported:**  
03/14/24 07:27

**Total Metals by EPA 6020B - Quality Control**  
**Summit Scientific**

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

**Batch BHC0007 - EPA 3050B**

**Blank (BHC0007-BLK1)**

Prepared: 03/01/24 Analyzed: 03/04/24

|          |    |        |           |
|----------|----|--------|-----------|
| 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 (BHC0007-BS1)**

Prepared: 03/01/24 Analyzed: 03/04/24

|          |      |        |           |      |      |        |
|----------|------|--------|-----------|------|------|--------|
| Arsenic  | 44.6 | 0.200  | mg/kg wet | 40.0 | 112  | 80-120 |
| Barium   | 44.1 | 0.400  | "         | 40.0 | 110  | 80-120 |
| Cadmium  | 2.03 | 0.200  | "         | 2.00 | 102  | 80-120 |
| Copper   | 39.6 | 0.400  | "         | 40.0 | 99.0 | 80-120 |
| Lead     | 20.1 | 0.200  | "         | 20.0 | 100  | 80-120 |
| Nickel   | 39.3 | 0.400  | "         | 40.0 | 98.2 | 80-120 |
| Silver   | 2.00 | 0.0200 | "         | 2.00 | 100  | 80-120 |
| Zinc     | 39.1 | 0.400  | "         | 40.0 | 97.8 | 80-120 |
| Selenium | 4.74 | 0.260  | "         | 4.00 | 119  | 80-120 |

**Duplicate (BHC0007-DUP1)**

Source: 2402396-01

Prepared: 03/01/24 Analyzed: 03/04/24

|          |        |        |           |        |       |    |
|----------|--------|--------|-----------|--------|-------|----|
| Arsenic  | 2.91   | 0.200  | mg/kg dry | 2.78   | 4.66  | 20 |
| Barium   | 75.1   | 0.400  | "         | 89.2   | 17.2  | 20 |
| Cadmium  | 0.113  | 0.200  | "         | 0.102  | 10.1  | 20 |
| Copper   | 2.45   | 0.400  | "         | 2.49   | 1.68  | 20 |
| Lead     | 6.40   | 0.200  | "         | 5.93   | 7.70  | 20 |
| Nickel   | 3.58   | 0.400  | "         | 3.27   | 9.20  | 20 |
| Silver   | 0.0312 | 0.0200 | "         | 0.0308 | 1.46  | 20 |
| Zinc     | 14.0   | 0.400  | "         | 13.9   | 0.514 | 20 |
| Selenium | ND     | 0.260  | "         | ND     |       | 20 |

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Civitas Resources  
650 Southgate Drive  
Windsor CO, 80550

Project: Mickey #7

Project Number: [none]  
Project Manager: Costin McQueen

**Reported:**  
03/14/24 07:27

**Total Metals by EPA 6020B - Quality Control**  
**Summit Scientific**

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

**Batch BHC0007 - EPA 3050B**

**Matrix Spike (BHC0007-MS1)**

Source: 2402396-01

Prepared: 03/01/24 Analyzed: 03/04/24

|          |      |        |           |      |        |      |        |  |  |       |
|----------|------|--------|-----------|------|--------|------|--------|--|--|-------|
| Arsenic  | 49.3 | 0.200  | mg/kg dry | 45.3 | 2.78   | 103  | 75-125 |  |  |       |
| Barium   | 119  | 0.400  | "         | 45.3 | 89.2   | 65.2 | 75-125 |  |  | QM-05 |
| Cadmium  | 2.37 | 0.200  | "         | 2.26 | 0.102  | 100  | 75-125 |  |  |       |
| Copper   | 31.2 | 0.400  | "         | 45.3 | 2.49   | 63.4 | 75-125 |  |  | QM-05 |
| Lead     | 28.5 | 0.200  | "         | 22.6 | 5.93   | 99.8 | 75-125 |  |  |       |
| Nickel   | 32.2 | 0.400  | "         | 45.3 | 3.27   | 63.8 | 75-125 |  |  | QM-05 |
| Silver   | 2.21 | 0.0200 | "         | 2.26 | 0.0308 | 96.4 | 75-125 |  |  |       |
| Zinc     | 43.5 | 0.400  | "         | 45.3 | 13.9   | 65.5 | 75-125 |  |  | QM-05 |
| Selenium | 7.26 | 0.260  | "         | 4.53 | ND     | 160  | 75-125 |  |  | QM-05 |

**Matrix Spike Dup (BHC0007-MSD1)**

Source: 2402396-01

Prepared: 03/01/24 Analyzed: 03/04/24

|          |      |        |           |      |        |      |        |       |    |       |
|----------|------|--------|-----------|------|--------|------|--------|-------|----|-------|
| Arsenic  | 49.8 | 0.200  | mg/kg dry | 45.3 | 2.78   | 104  | 75-125 | 1.06  | 25 |       |
| Barium   | 122  | 0.400  | "         | 45.3 | 89.2   | 71.7 | 75-125 | 2.45  | 25 | QM-05 |
| Cadmium  | 2.44 | 0.200  | "         | 2.26 | 0.102  | 103  | 75-125 | 3.05  | 25 |       |
| Copper   | 31.3 | 0.400  | "         | 45.3 | 2.49   | 63.6 | 75-125 | 0.288 | 25 | QM-05 |
| Lead     | 29.4 | 0.200  | "         | 22.6 | 5.93   | 104  | 75-125 | 2.98  | 25 |       |
| Nickel   | 32.3 | 0.400  | "         | 45.3 | 3.27   | 64.2 | 75-125 | 0.491 | 25 | QM-05 |
| Silver   | 2.27 | 0.0200 | "         | 2.26 | 0.0308 | 98.9 | 75-125 | 2.46  | 25 |       |
| Zinc     | 43.6 | 0.400  | "         | 45.3 | 13.9   | 65.7 | 75-125 | 0.224 | 25 | QM-05 |
| Selenium | 7.07 | 0.260  | "         | 4.53 | ND     | 156  | 75-125 | 2.55  | 25 | QM-05 |

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Civitas Resources  
650 Southgate Drive  
Windsor CO, 80550

Project: Mickey #7

Project Number: [none]  
Project Manager: Costin McQueen

**Reported:**  
03/14/24 07:27

**Hexavalent Chromium by EPA Method 7196 - Quality Control**  
**Summit Scientific**

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

**Batch BHC0305 - 3060A Mod**

**Blank (BHC0305-BLK1)**

Prepared: 03/12/24 Analyzed: 03/13/24

Chromium, Hexavalent ND 0.30 mg/kg wet

**LCS (BHC0305-BS1)**

Prepared: 03/12/24 Analyzed: 03/13/24

Chromium, Hexavalent 25.3 0.30 mg/kg wet 25.0 101 80-120

**Duplicate (BHC0305-DUP1)**

Source: 2402447-01

Prepared: 03/12/24 Analyzed: 03/13/24

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

**Matrix Spike (BHC0305-MS1)**

Source: 2402447-01

Prepared: 03/12/24 Analyzed: 03/13/24

Chromium, Hexavalent 32.8 0.30 mg/kg dry 30.0 ND 109 75-125

**Matrix Spike Dup (BHC0305-MSD1)**

Source: 2402447-01

Prepared: 03/12/24 Analyzed: 03/13/24

Chromium, Hexavalent 32.9 0.30 mg/kg dry 30.0 ND 110 75-125 0.183 20

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Civitas Resources  
650 Southgate Drive  
Windsor CO, 80550

Project: Mickey #7

Project Number: [none]  
Project Manager: Costin McQueen

**Reported:**  
03/14/24 07:27

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

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

**Batch BHB0864 - General Preparation**

**Blank (BHB0864-BLK1)**

Prepared: 02/27/24 Analyzed: 03/01/24

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

**LCS (BHB0864-BS1)**

Prepared: 02/27/24 Analyzed: 03/01/24

|           |      |        |          |      |     |        |
|-----------|------|--------|----------|------|-----|--------|
| Calcium   | 6.40 | 0.0500 | mg/L wet | 5.00 | 128 | 70-130 |
| Magnesium | 5.67 | 0.0500 | "        | 5.00 | 113 | 70-130 |
| Sodium    | 5.65 | 0.0500 | "        | 5.00 | 113 | 70-130 |

Summit Scientific

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Civitas Resources  
650 Southgate Drive  
Windsor CO, 80550

Project: Mickey #7

Project Number: [none]

Project Manager: Costin McQueen

**Reported:**

03/14/24 07:27

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

**Summit Scientific**

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

**Batch BHC0072 - General Preparation**

| Duplicate (BHC0072-DUP1) |      | Source: 2402366-01 |   |  | Prepared & Analyzed: 03/05/24 |  |  |       |  |    |  |
|--------------------------|------|--------------------|---|--|-------------------------------|--|--|-------|--|----|--|
| % Solids                 | 93.1 |                    | % |  | 93.4                          |  |  | 0.318 |  | 20 |  |

Summit Scientific

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Civitas Resources  
650 Southgate Drive  
Windsor CO, 80550

Project: Mickey #7

Project Number: [none]  
Project Manager: Costin McQueen

**Reported:**  
03/14/24 07:27

**Specific Conductance by EPA Method 120.1, 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 BHB0866 - General Preparation**

**Blank (BHB0866-BLK1)**

Prepared: 02/27/24 Analyzed: 02/28/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

**LCS (BHB0866-BS1)**

Prepared: 02/27/24 Analyzed: 02/28/24

Specific Conductance (EC) 0.148 0.0100 mmhos/cm 0.150 98.9 95-105

**Duplicate (BHB0866-DUP1)**

**Source: 2402467-01**

Prepared: 02/27/24 Analyzed: 02/28/24

Specific Conductance (EC) 0.122 0.0100 mmhos/cm 0.124 1.14 20

Summit Scientific

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Civitas Resources  
650 Southgate Drive  
Windsor CO, 80550

Project: Mickey #7

Project Number: [none]  
Project Manager: Costin McQueen

**Reported:**  
03/14/24 07:27

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

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

**Batch BHB0867 - General Preparation**

**LCS (BHB0867-BS1)**

Prepared: 02/27/24 Analyzed: 02/28/24

|    |      |          |      |      |        |
|----|------|----------|------|------|--------|
| pH | 9.13 | pH Units | 9.18 | 99.5 | 95-105 |
|----|------|----------|------|------|--------|

**Duplicate (BHB0867-DUP1)**

**Source: 2402467-01**

Prepared: 02/27/24 Analyzed: 02/28/24

|    |      |          |      |      |    |
|----|------|----------|------|------|----|
| pH | 8.75 | pH Units | 8.75 | 0.00 | 20 |
|----|------|----------|------|------|----|

Summit Scientific

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Civitas Resources  
650 Southgate Drive  
Windsor CO, 80550

Project: Mickey #7

Project Number: [none]  
Project Manager: Costin McQueen

**Reported:**  
03/14/24 07:27

### Notes and Definitions

|       |   |
|-------|---|
| QR-01 | Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.                                       |
| QM-05 | The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The associated LCS and/or LCSD were within acceptance limits, therefore the data are considered valid. |
| 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   |