

# Summit Scientific

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4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

October 02, 2024

Karen Olson

Tasman Geosciences

6855 W. 119th Ave.

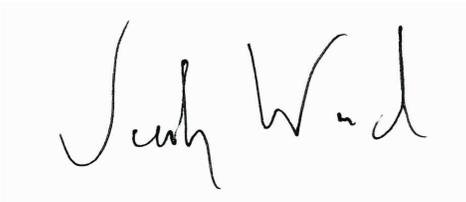
Broomfield, CO 80020

RE: PDC - Moss 14-16H Tank Battery

Work Order #2409387

Enclosed are the results of analyses for samples received by Summit Scientific on 09/24/24 17:48. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Jacob Wood". The signature is written in a cursive style with a large initial "J" and a distinct "W".

Jacob Wood For Paul Shrewsbury

President



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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

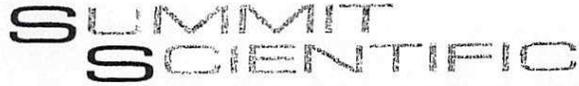
**Reported:**  
10/02/24 09:53

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID    | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|--------------|---------------|--------|----------------|----------------|
| AST01@0-6"   | 2409387-01    | Soil   | 09/24/24 09:16 | 09/24/24 17:48 |
| AST02@0-6"   | 2409387-02    | Soil   | 09/24/24 09:17 | 09/24/24 17:48 |
| PWV01-B@4'   | 2409387-03    | Soil   | 09/24/24 09:24 | 09/24/24 17:48 |
| PWV01-N@2.5' | 2409387-04    | Soil   | 09/24/24 09:26 | 09/24/24 17:48 |
| SEP01-DL@6'  | 2409387-08    | Soil   | 09/24/24 11:00 | 09/24/24 17:48 |
| DL01-01@5'   | 2409387-09    | Soil   | 09/24/24 11:28 | 09/24/24 17:48 |
| BKG01@0-6"   | 2409387-10    | Soil   | 09/24/24 14:00 | 09/24/24 17:48 |
| BKG01@2.5'   | 2409387-11    | Soil   | 09/24/24 14:02 | 09/24/24 17:48 |
| BKG01@4'     | 2409387-12    | Soil   | 09/24/24 14:04 | 09/24/24 17:48 |
| BKG01@5'     | 2409387-13    | Soil   | 09/24/24 14:06 | 09/24/24 17:48 |
| BKG01@6'     | 2409387-14    | Soil   | 09/24/24 14:08 | 09/24/24 17:48 |

Summit Scientific

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Golden, CO 80403  
303-277-9310

|         |             |
|---------|-------------|
| Lab ID  | Page 1 of 1 |
| 2409387 |             |

|   |  |   |  |
|---|--|---|--|
| Send Data To:                           |  | Send Invoice To:                                |  |
| Client: PDC / Tasman                    | Project Manager: Karen Olson           | Company: PDC Energy                             |  |
| Address: 6855 W 119th Ave               | E-Mail: karen.olson@PDCE.com           | Project Name/Location: Moss 14-16H Tank Battery |  |
| City/State/Zip: Broomfield / CO / 80020 |  | AFE#: PX-900347                                 |  |
| Phone: 303-487-1228                     | Project Name: Moss 14-16H Tank Battery | PO/Billing Codes:                               |  |
| Sampler Name: Sylvie Bousquet           | Project Number: 36910                  | Contact: Karen Olson <sup>SR</sup> Delbert Pace |  |

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative |      |      |       | Matrix |      | Air-Canister # | Other | Analysis Requested |              |                   |             |             |      |        | Special Instructions |
|----|--------------------|--------------|--------------|-----------------|--------------|------|------|-------|--------|------|----------------|-------|--------------------|--------------|-------------------|-------------|-------------|------|--------|----------------------|
|    |                    |              |              |                 | HCl          | HNO3 | None | Other | Water  | Soil |                |       | BTEXN - 8260B      | TPH (C6-C36) | 1,2,4 & 1,3,5-TMB | Boron - HWS | pH, EC, SAR | PAHs | Metals |                      |
| 1  | AST0200-6"         | 9-24-24      | 9:16         | 3               |              |      | X    |       |        | X    |                | X     | X                  | X            | X                 | X           | X           | X    |        |                      |
| 2  | AST0200-6"         |              | 9:17         |                 |              |      |      |       |        |      |                |       |                    |              |                   |             |             |      |        |                      |
| 3  | PWV01-B@4'         |              | 9:24         |                 |              |      |      |       |        |      |                |       |                    |              |                   |             |             |      |        |                      |
| 4  | PWV01-N@2.5'       |              | 9:26         |                 |              |      |      |       |        |      |                |       |                    |              |                   |             |             |      |        |                      |
| 5  | PWV01-E@2.5'       |              | 9:28         |                 |              |      |      |       |        |      |                |       |                    |              |                   |             |             |      | X      |                      |
| 6  | PWV01-S@2.5'       |              | 9:30         |                 |              |      |      |       |        |      |                |       |                    |              |                   |             |             |      | X      |                      |
| 7  | PWV01-W@2.5'       |              | 9:32         |                 |              |      |      |       |        |      |                |       |                    |              |                   |             |             |      | X      |                      |
| 8  | SEPO1-DL@6'        |              | 11:00        |                 |              |      |      |       |        |      |                |       |                    |              |                   |             |             |      |        |                      |
| 9  | DI01-01@5'         |              | 11:28        | 1               |              |      |      |       |        |      |                |       |                    |              |                   |             |             |      |        |                      |
| 10 | BKGO1@0-6"         |              | 14:00        | 2               |              |      |      |       |        |      |                |       |                    |              |                   |             |             |      |        |                      |
| 11 | BKGO1@2.5'         |              | 14:02        |                 |              |      |      |       |        |      |                |       |                    |              |                   |             |             |      |        |                      |
| 12 | BKGO1@4'           |              | 14:04        |                 |              |      |      |       |        |      |                |       |                    |              |                   |             |             |      |        |                      |
| 13 | BKGO1@5'           |              | 14:06        |                 |              |      |      |       |        |      |                |       |                    |              |                   |             |             |      |        |                      |
| 14 | BKGO1@6'           |              | 14:08        |                 |              |      |      |       |        |      |                |       |                    |              |                   |             |             |      |        |                      |
| 15 |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |              |                   |             |             |      |        |                      |

|   |                          |                                    |                          |                   |               |        |
|---|--------------------------|------------------------------------|--------------------------|-------------------|---------------|--------|
| Relinquished by: <i>Sylvie Bousquet</i> | Date/Time: 9-24-24 14:35 | Received by: <i>Tasman Lockbox</i> | Date/Time: 9-24-24 14:35 | TAT Business Days | Field DO      | Notes: |
|   |                          |                                    |                          | Same Day          | Field EC      |        |
| Relinquished by: <i>Tasman Lockbox</i>  | Date/Time: 9/24/24 1748  | Received by: <i>[Signature]</i>    | Date/Time: 9/24/24 1748  | 1 Day             | Field ORP     |        |
|   |                          |                                    |                          | 2 Days            | Field pH      |        |
| Relinquished by:                        | Date/Time:               | Received by:                       | Date/Time:               | 3 Days            | Field Temp.   |        |
|   |                          |                                    |                          | Standard          | X Field Turb. |        |
| Temperature Upon Receipt: 9.1           | Corrected Temperature: 8 | IR gun #: 1                        | HNO3 lot #:              |                   |               |        |

S<sub>2</sub>

Sample Receipt Checklist

S2 Work Order# 2409381

Client: Reckman

Client Project ID: MOSS 14-16 H Tank Battery

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

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

-

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 checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| If custody seals are present, are they intact? <sup>(1)</sup>   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | ONICE             |
| Are samples due within 48 hours present?  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                   |
| 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 checked="" type="checkbox"/> | <input 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>  | <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

9/24/24  
Date/Time



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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**AST01@0-6"**  
**2409387-01 (Soil)**

**Summit Scientific**

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

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

| Analyte                     | Result | Reporting |  | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
|                             |        | Limit     |  |       |          |         |          |          |           |       |
| Benzene                     | ND     | 0.0020    |  | mg/kg | 1        | BHI0892 | 09/25/24 | 09/28/24 | 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: **09/24/24 09:16**

| Analyte                          | Result | Reporting |  | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
|                                  |        | Limit     |  |        |          |       |          |          |        |       |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0214 | 53.4 %    |  | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            | 0.0393 | 98.3 %    |  | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  | 0.0384 | 95.9 %    |  | 50-150 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

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

| Analyte       | Result | Reporting |  | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
|               |        | Limit     |  |       |          |         |          |          |           |       |
| C10-C28 (DRO) | ND     | 50        |  | mg/kg | 1        | BHI0894 | 09/25/24 | 09/28/24 | EPA 8015M |       |
| C28-C36 (ORO) | ND     | 50        |  | "     | "        | "       | "        | "        | "         |       |

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

| Analyte                | Result | Reporting |  | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
|                        |        | Limit     |  |        |          |       |          |          |        |       |
| Surrogate: o-Terphenyl | 6.88   | 55.1 %    |  | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

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6855 W. 119th Ave.  
Broomfield CO, 80020

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**AST01@0-6"**  
**2409387-01 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

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

| Analyte                         | Result         | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|---------------------------------|----------------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene                    | ND             | 0.00500         | mg/kg | 1        | BHI0857 | 09/25/24 | 09/26/24 | EPA 8270D SIM |       |
| <b>Anthracene</b>               | <b>0.00847</b> | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Benzo (a) anthracene</b>     | <b>0.0256</b>  | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Benzo (a) pyrene</b>         | <b>0.0227</b>  | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Benzo (b) fluoranthene</b>   | <b>0.0294</b>  | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Benzo (k) fluoranthene</b>   | <b>0.0120</b>  | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Chrysene</b>                 | <b>0.0253</b>  | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Dibenz (a,h) anthracene         | ND             | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Fluoranthene</b>             | <b>0.0451</b>  | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Fluorene                        | ND             | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Indeno (1,2,3-cd) pyrene</b> | <b>0.0150</b>  | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Pyrene</b>                   | <b>0.0450</b>  | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| 1-Methylnaphthalene             | ND             | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| 2-Methylnaphthalene             | ND             | 0.00500         | "     | "        | "       | "        | "        | "             |       |

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

| Analyte                            | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0172 | 51.5 %          | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        | 0.0231 | 69.3 %          | 40-150 |          | "     | "        | "        | "      |       |

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

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

| Analyte | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron   | ND     | 2.00            | mg/L  | 1        | BHI0881 | 09/25/24 | 09/28/24 | EPA 6020B |       |

**Total Metals by EPA 6020B**

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

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

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Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**AST01@0-6"**  
**2409387-01 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

| Analyte  | Result | Limit  | Units     | Dilution | Batch   | Prepared | Analyzed | Method    |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|
| Arsenic  | 2.69   | 0.200  | mg/kg dry | 1        | BHI0900 | 09/25/24 | 09/27/24 | EPA 6020B |
| Barium   | 91.7   | 0.400  | "         | "        | "       | "        | "        | "         |
| Cadmium  | 0.246  | 0.200  | "         | "        | "       | "        | "        | "         |
| Copper   | 7.81   | 0.400  | "         | "        | "       | "        | "        | "         |
| Lead     | 11.3   | 0.200  | "         | "        | "       | "        | "        | "         |
| Nickel   | 4.77   | 0.400  | "         | "        | "       | "        | "        | "         |
| Silver   | 0.0348 | 0.0200 | "         | "        | "       | "        | "        | "         |
| Zinc     | 26.2   | 0.400  | "         | "        | "       | "        | "        | "         |
| Selenium | ND     | 0.260  | "         | "        | "       | "        | "        | "         |

**Hexavalent Chromium by EPA Method 7196**

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

| Analyte              | Result | Reporting Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND     | 0.30            | mg/kg dry | 1        | BHI1042 | 09/27/24 | 09/30/24 | EPA 7196A |       |

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

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

| Analyte   | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium   | 263    | 0.0500          | mg/L dry | 1        | BHI0907 | 09/25/24 | 09/27/24 | EPA 6020B |       |
| Magnesium | 14.3   | 0.0500          | "        | "        | "       | "        | "        | "         |       |
| Sodium    | 0.807  | 0.0500          | "        | "        | "       | "        | "        | "         |       |

**Calculated Analysis**

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

| Analyte                 | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.0131 | 0.00100         | units | 1        | BHI1071 | 09/28/24 | 09/28/24 | Calculation |       |

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

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

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

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6855 W. 119th Ave.  
Broomfield CO, 80020

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**AST01@0-6"**  
**2409387-01 (Soil)**

**Summit Scientific**

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

|                 |             |   |   |         |          |          |             |
|-----------------|-------------|---|---|---------|----------|----------|-------------|
| <b>% Solids</b> | <b>90.3</b> | % | 1 | BHI0887 | 09/25/24 | 09/26/24 | Calculation |
|-----------------|-------------|---|---|---------|----------|----------|-------------|

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

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

| Analyte                          | Result       | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------------------|--------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| <b>Specific Conductance (EC)</b> | <b>0.179</b> | 0.0100          | mmhos/cm | 1        | BHI0908 | 09/25/24 | 09/26/24 | EPA 120.1 |       |

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

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

| Analyte   | Result      | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| <b>pH</b> | <b>8.68</b> |                 | pH Units | 1        | BHI0909 | 09/25/24 | 09/26/24 | EPA 9045D |       |

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Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**AST02@0-6"**  
**2409387-02 (Soil)**

**Summit Scientific**

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

Date Sampled: **09/24/24 09:17**

| Analyte                     | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene                     | ND     | 0.0020          | mg/kg | 1        | BHI0892 | 09/25/24 | 09/28/24 | 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: **09/24/24 09:17**

| Analyte                          | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | 0.0220 | 55.1 %          | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            | 0.0392 | 98.0 %          | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  | 0.0376 | 94.1 %          | 50-150 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **09/24/24 09:17**

| Analyte       | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND     | 50              | mg/kg | 1        | BHI0894 | 09/25/24 | 09/28/24 | EPA 8015M |       |
| C28-C36 (ORO) | ND     | 50              | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **09/24/24 09:17**

| Analyte                | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | 6.80   | 54.4 %          | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**AST02@0-6"**  
**2409387-02 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **09/24/24 09:17**

| Analyte                         | Result         | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|---------------------------------|----------------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene                    | ND             | 0.00500         | mg/kg | 1        | BHI0857 | 09/25/24 | 09/26/24 | EPA 8270D SIM |       |
| Anthracene                      | ND             | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Benzo (a) anthracene</b>     | <b>0.0128</b>  | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Benzo (a) pyrene</b>         | <b>0.0136</b>  | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Benzo (b) fluoranthene</b>   | <b>0.0185</b>  | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Benzo (k) fluoranthene</b>   | <b>0.00836</b> | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Chrysene</b>                 | <b>0.0136</b>  | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Dibenz (a,h) anthracene         | ND             | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Fluoranthene</b>             | <b>0.0226</b>  | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Fluorene                        | ND             | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Indeno (1,2,3-cd) pyrene</b> | <b>0.0104</b>  | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Pyrene</b>                   | <b>0.0213</b>  | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| 1-Methylnaphthalene             | ND             | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| 2-Methylnaphthalene             | ND             | 0.00500         | "     | "        | "       | "        | "        | "             |       |

Date Sampled: **09/24/24 09:17**

| Analyte                            | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0170 | 51.1 %          | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        | 0.0222 | 66.6 %          | 40-150 |          | "     | "        | "        | "      |       |

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

Date Sampled: **09/24/24 09:17**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron   | ND     | 2.00            | mg/L  | 1        | BHI0881 | 09/25/24 | 09/28/24 | EPA 6020B |       |

**Total Metals by EPA 6020B**

Date Sampled: **09/24/24 09:17**

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

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**AST02@0-6"**  
**2409387-02 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

| Analyte  | Result | Limit  | Units     | Dilution | Batch   | Prepared | Analyzed | Method    |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|
| Arsenic  | 2.88   | 0.200  | mg/kg dry | 1        | BHI0900 | 09/25/24 | 09/27/24 | EPA 6020B |
| Barium   | 89.2   | 0.400  | "         | "        | "       | "        | "        | "         |
| Cadmium  | 0.213  | 0.200  | "         | "        | "       | "        | "        | "         |
| Copper   | 6.24   | 0.400  | "         | "        | "       | "        | "        | "         |
| Lead     | 13.4   | 0.200  | "         | "        | "       | "        | "        | "         |
| Nickel   | 5.06   | 0.400  | "         | "        | "       | "        | "        | "         |
| Silver   | 0.0309 | 0.0200 | "         | "        | "       | "        | "        | "         |
| Zinc     | 26.3   | 0.400  | "         | "        | "       | "        | "        | "         |
| Selenium | ND     | 0.260  | "         | "        | "       | "        | "        | "         |

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **09/24/24 09:17**

| Analyte              | Result | Reporting Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND     | 0.30            | mg/kg dry | 1        | BHI1042 | 09/27/24 | 09/30/24 | EPA 7196A |       |

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

Date Sampled: **09/24/24 09:17**

| Analyte   | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium   | 308    | 0.0500          | mg/L dry | 1        | BHI0907 | 09/25/24 | 09/27/24 | EPA 6020B |       |
| Magnesium | 17.8   | 0.0500          | "        | "        | "       | "        | "        | "         |       |
| Sodium    | 1.74   | 0.0500          | "        | "        | "       | "        | "        | "         |       |

**Calculated Analysis**

Date Sampled: **09/24/24 09:17**

| Analyte                 | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.0261 | 0.00100         | units | 1        | BHI1071 | 09/28/24 | 09/28/24 | Calculation |       |

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

Date Sampled: **09/24/24 09:17**

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

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**AST02@0-6"**  
**2409387-02 (Soil)**

**Summit Scientific**

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

|                 |             |   |   |         |          |          |             |
|-----------------|-------------|---|---|---------|----------|----------|-------------|
| <b>% Solids</b> | <b>93.4</b> | % | 1 | BHI0887 | 09/25/24 | 09/26/24 | Calculation |
|-----------------|-------------|---|---|---------|----------|----------|-------------|

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

Date Sampled: **09/24/24 09:17**

| Analyte                          | Result       | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------------------|--------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| <b>Specific Conductance (EC)</b> | <b>0.176</b> | 0.0100          | mmhos/cm | 1        | BHI0908 | 09/25/24 | 09/26/24 | EPA 120.1 |       |

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

Date Sampled: **09/24/24 09:17**

| Analyte   | Result      | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| <b>pH</b> | <b>8.73</b> |                 | pH Units | 1        | BHI0909 | 09/25/24 | 09/26/24 | EPA 9045D |       |

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**PWV01-B@4'**  
**2409387-03 (Soil)**

**Summit Scientific**

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

Date Sampled: **09/24/24 09:24**

| Analyte                     | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene                     | ND     | 0.0020          | mg/kg | 1        | BHI0892 | 09/25/24 | 09/28/24 | 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: **09/24/24 09:24**

| Analyte                          | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | 0.0214 | 53.6 %          | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            | 0.0398 | 99.4 %          | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  | 0.0385 | 96.2 %          | 50-150 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **09/24/24 09:24**

| Analyte       | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND     | 50              | mg/kg | 1        | BHI0894 | 09/25/24 | 09/28/24 | EPA 8015M |       |
| C28-C36 (ORO) | ND     | 50              | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **09/24/24 09:24**

| Analyte                | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | 6.67   | 53.4 %          | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**PWV01-B@4'**  
**2409387-03 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **09/24/24 09:24**

| Analyte                         | Result         | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|---------------------------------|----------------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene                    | ND             | 0.00500         | mg/kg | 1        | BH10857 | 09/25/24 | 09/26/24 | EPA 8270D SIM |       |
| <b>Anthracene</b>               | <b>0.00638</b> | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Benzo (a) anthracene</b>     | <b>0.0236</b>  | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Benzo (a) pyrene</b>         | <b>0.0288</b>  | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Benzo (b) fluoranthene</b>   | <b>0.0230</b>  | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Benzo (k) fluoranthene</b>   | <b>0.0192</b>  | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Chrysene</b>                 | <b>0.0287</b>  | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Dibenz (a,h) anthracene         | ND             | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Fluoranthene</b>             | <b>0.0379</b>  | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Fluorene                        | ND             | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Indeno (1,2,3-cd) pyrene</b> | <b>0.0294</b>  | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| <b>Pyrene</b>                   | <b>0.0428</b>  | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| 1-Methylnaphthalene             | ND             | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| 2-Methylnaphthalene             | ND             | 0.00500         | "     | "        | "       | "        | "        | "             |       |

Date Sampled: **09/24/24 09:24**

| Analyte                            | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0199 | 59.8 %          | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        | 0.0268 | 80.5 %          | 40-150 |          | "     | "        | "        | "      |       |

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

Date Sampled: **09/24/24 09:24**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron   | ND     | 2.00            | mg/L  | 1        | BH10881 | 09/25/24 | 09/28/24 | EPA 6020B |       |

**Total Metals by EPA 6020B**

Date Sampled: **09/24/24 09:24**

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

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**PWV01-B@4'**  
**2409387-03 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

| Analyte  | Result | Limit  | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic  | 4.04   | 0.200  | mg/kg dry | 1        | BHI0900 | 09/25/24 | 09/27/24 | EPA 6020B |       |
| Barium   | 92.6   | 0.400  | "         | "        | "       | "        | "        | "         |       |
| Cadmium  | 0.304  | 0.200  | "         | "        | "       | "        | "        | "         |       |
| Copper   | 6.71   | 0.400  | "         | "        | "       | "        | "        | "         |       |
| Lead     | 18.5   | 0.200  | "         | "        | "       | "        | "        | "         |       |
| Nickel   | 5.22   | 0.400  | "         | "        | "       | "        | "        | "         |       |
| Silver   | 0.0437 | 0.0200 | "         | "        | "       | "        | "        | "         |       |
| Zinc     | 45.7   | 0.400  | "         | "        | "       | "        | "        | "         |       |
| Selenium | ND     | 0.260  | "         | "        | "       | "        | "        | "         |       |

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **09/24/24 09:24**

| Analyte              | Result | Reporting Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND     | 0.30            | mg/kg dry | 1        | BHI1042 | 09/27/24 | 09/30/24 | EPA 7196A |       |

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

Date Sampled: **09/24/24 09:24**

| Analyte   | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium   | 381    | 0.0500          | mg/L dry | 1        | BHI0907 | 09/25/24 | 09/27/24 | EPA 6020B |       |
| Magnesium | 23.2   | 0.0500          | "        | "        | "       | "        | "        | "         |       |
| Sodium    | 10.7   | 0.0500          | "        | "        | "       | "        | "        | "         |       |

**Calculated Analysis**

Date Sampled: **09/24/24 09:24**

| Analyte                 | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.144  | 0.00100         | units | 1        | BHI1071 | 09/28/24 | 09/28/24 | Calculation |       |

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

Date Sampled: **09/24/24 09:24**

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

Summit Scientific

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**PWV01-B@4'**  
**2409387-03 (Soil)**

**Summit Scientific**

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

|                 |             |   |   |         |          |          |             |
|-----------------|-------------|---|---|---------|----------|----------|-------------|
| <b>% Solids</b> | <b>85.7</b> | % | 1 | BHI0887 | 09/25/24 | 09/26/24 | Calculation |
|-----------------|-------------|---|---|---------|----------|----------|-------------|

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

Date Sampled: **09/24/24 09:24**

| Analyte                          | Result       | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------------------|--------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| <b>Specific Conductance (EC)</b> | <b>0.317</b> | 0.0100          | mmhos/cm | 1        | BHI0908 | 09/25/24 | 09/26/24 | EPA 120.1 |       |

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

Date Sampled: **09/24/24 09:24**

| Analyte   | Result      | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| <b>pH</b> | <b>8.24</b> |                 | pH Units | 1        | BHI0909 | 09/25/24 | 09/26/24 | EPA 9045D |       |

Summit Scientific



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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**PWV01-N@2.5'**  
**2409387-04 (Soil)**

**Summit Scientific**

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

Date Sampled: **09/24/24 09:26**

| Analyte                     | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene                     | ND     | 0.0020          | mg/kg | 1        | BHI0892 | 09/25/24 | 09/28/24 | 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: **09/24/24 09:26**

| Analyte                          | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | 0.0217 | 54.3 %          | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            | 0.0395 | 98.8 %          | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  | 0.0398 | 99.4 %          | 50-150 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **09/24/24 09:26**

| Analyte       | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND     | 50              | mg/kg | 1        | BHI0894 | 09/25/24 | 09/28/24 | EPA 8015M |       |
| C28-C36 (ORO) | ND     | 50              | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **09/24/24 09:26**

| Analyte                | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | 8.94   | 71.6 %          | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**PWV01-N@2.5'**  
**2409387-04 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **09/24/24 09:26**

| Analyte                  | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene             | ND     | 0.00500         | mg/kg | 1        | BHI0857 | 09/25/24 | 09/26/24 | EPA 8270D SIM |       |
| Anthracene               | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (a) anthracene     | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (a) pyrene         | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (b) fluoranthene   | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (k) fluoranthene   | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Chrysene                 | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Dibenz (a,h) anthracene  | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Fluoranthene             | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Fluorene                 | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Indeno (1,2,3-cd) pyrene | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Pyrene                   | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| 1-Methylnaphthalene      | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| 2-Methylnaphthalene      | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |

Date Sampled: **09/24/24 09:26**

| Analyte                            | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0151 | 45.4 %          | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        | 0.0185 | 55.5 %          | 40-150 |          | "     | "        | "        | "      |       |

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

Date Sampled: **09/24/24 09:26**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron   | ND     | 2.00            | mg/L  | 1        | BHI0881 | 09/25/24 | 09/28/24 | EPA 6020B |       |

**Total Metals by EPA 6020B**

Date Sampled: **09/24/24 09:26**

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

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**PWV01-N@2.5'**  
**2409387-04 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

| Analyte  | Result | Reporting Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic  | 2.80   | 0.200           | mg/kg dry | 1        | BHI0900 | 09/25/24 | 09/27/24 | EPA 6020B |       |
| Barium   | 60.4   | 0.400           | "         | "        | "       | "        | "        | "         |       |
| Cadmium  | 0.323  | 0.200           | "         | "        | "       | "        | "        | "         |       |
| Copper   | 3.38   | 0.400           | "         | "        | "       | "        | "        | "         |       |
| Lead     | 4.21   | 0.200           | "         | "        | "       | "        | "        | "         |       |
| Nickel   | 5.69   | 0.400           | "         | "        | "       | "        | "        | "         |       |
| Silver   | 0.0269 | 0.0200          | "         | "        | "       | "        | "        | "         |       |
| Zinc     | 14.6   | 0.400           | "         | "        | "       | "        | "        | "         |       |
| Selenium | ND     | 0.260           | "         | "        | "       | "        | "        | "         |       |

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **09/24/24 09:26**

| Analyte              | Result | Reporting Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND     | 0.30            | mg/kg dry | 1        | BHI1042 | 09/27/24 | 09/30/24 | EPA 7196A |       |

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

Date Sampled: **09/24/24 09:26**

| Analyte   | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium   | 40.6   | 0.0500          | mg/L dry | 1        | BHI0907 | 09/25/24 | 09/27/24 | EPA 6020B |       |
| Magnesium | 14.1   | 0.0500          | "        | "        | "       | "        | "        | "         |       |
| Sodium    | 13.6   | 0.0500          | "        | "        | "       | "        | "        | "         |       |

**Calculated Analysis**

Date Sampled: **09/24/24 09:26**

| Analyte                 | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.469  | 0.00100         | units | 1        | BHI1071 | 09/28/24 | 09/28/24 | Calculation |       |

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

Date Sampled: **09/24/24 09:26**

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

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**PWV01-N@2.5'**  
**2409387-04 (Soil)**

**Summit Scientific**

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

|          |      |   |   |         |          |          |             |
|----------|------|---|---|---------|----------|----------|-------------|
| % Solids | 97.7 | % | 1 | BHI0887 | 09/25/24 | 09/26/24 | Calculation |
|----------|------|---|---|---------|----------|----------|-------------|

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

Date Sampled: **09/24/24 09:26**

| Analyte                   | Result       | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------------|--------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | <b>0.548</b> | 0.0100          | mmhos/cm | 1        | BHI0908 | 09/25/24 | 09/26/24 | EPA 120.1 |       |

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

Date Sampled: **09/24/24 09:26**

| Analyte | Result      | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH      | <b>7.54</b> |                 | pH Units | 1        | BHI0909 | 09/25/24 | 09/26/24 | EPA 9045D |       |

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**SEP01-DL@6'**  
**2409387-08 (Soil)**

**Summit Scientific**

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

Date Sampled: **09/24/24 11:00**

| Analyte                     | Result | Reporting |  | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
|                             |        | Limit     |  |       |          |         |          |          |           |       |
| Benzene                     | ND     | 0.0020    |  | mg/kg | 1        | BHI0892 | 09/25/24 | 09/28/24 | 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: **09/24/24 11:00**

| Analyte                          | Result | Reporting |  | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
|                                  |        | Limit     |  |        |          |       |          |          |        |       |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0220 | 55.1 %    |  | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            | 0.0399 | 99.7 %    |  | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  | 0.0388 | 97.0 %    |  | 50-150 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **09/24/24 11:00**

| Analyte       | Result | Reporting |  | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
|               |        | Limit     |  |       |          |         |          |          |           |       |
| C10-C28 (DRO) | ND     | 50        |  | mg/kg | 1        | BHI0894 | 09/25/24 | 09/28/24 | EPA 8015M |       |
| C28-C36 (ORO) | ND     | 50        |  | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **09/24/24 11:00**

| Analyte                | Result | Reporting |  | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
|                        |        | Limit     |  |        |          |       |          |          |        |       |
| Surrogate: o-Terphenyl | 7.62   | 61.0 %    |  | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**SEP01-DL@6'**  
**2409387-08 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **09/24/24 11:00**

| Analyte                  | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene             | ND     | 0.00500         | mg/kg | 1        | BHI0857 | 09/25/24 | 09/26/24 | EPA 8270D SIM |       |
| Anthracene               | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (a) anthracene     | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (a) pyrene         | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (b) fluoranthene   | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (k) fluoranthene   | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Chrysene                 | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Dibenz (a,h) anthracene  | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Fluoranthene             | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Fluorene                 | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Indeno (1,2,3-cd) pyrene | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Pyrene                   | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| 1-Methylnaphthalene      | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| 2-Methylnaphthalene      | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |

Date Sampled: **09/24/24 11:00**

| Analyte                            | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0173 | 52.0 %          | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        | 0.0231 | 69.3 %          | 40-150 |          | "     | "        | "        | "      |       |

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

Date Sampled: **09/24/24 11:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron   | ND     | 2.00            | mg/L  | 1        | BHI0881 | 09/25/24 | 09/28/24 | EPA 6020B |       |

**Total Metals by EPA 6020B**

Date Sampled: **09/24/24 11:00**

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

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6855 W. 119th Ave.  
Broomfield CO, 80020

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**SEP01-DL@6'**  
**2409387-08 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

| Analyte  | Result | Reporting Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic  | 2.60   | 0.179           | mg/kg dry | 1        | BHI0900 | 09/25/24 | 09/27/24 | EPA 6020B |       |
| Barium   | 38.2   | 0.357           | "         | "        | "       | "        | "        | "         |       |
| Cadmium  | ND     | 0.179           | "         | "        | "       | "        | "        | "         |       |
| Copper   | 4.01   | 0.357           | "         | "        | "       | "        | "        | "         |       |
| Lead     | 4.25   | 0.179           | "         | "        | "       | "        | "        | "         |       |
| Nickel   | 2.72   | 0.357           | "         | "        | "       | "        | "        | "         |       |
| Silver   | 0.0196 | 0.0179          | "         | "        | "       | "        | "        | "         |       |
| Zinc     | 32.1   | 0.357           | "         | "        | "       | "        | "        | "         |       |
| Selenium | ND     | 0.232           | "         | "        | "       | "        | "        | "         |       |

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **09/24/24 11:00**

| Analyte              | Result | Reporting Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND     | 0.30            | mg/kg dry | 1        | BHI1042 | 09/27/24 | 09/30/24 | EPA 7196A |       |

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

Date Sampled: **09/24/24 11:00**

| Analyte   | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium   | 274    | 0.0500          | mg/L dry | 1        | BHI0907 | 09/25/24 | 09/27/24 | EPA 6020B |       |
| Magnesium | 14.6   | 0.0500          | "        | "        | "       | "        | "        | "         |       |
| Sodium    | 6.65   | 0.0500          | "        | "        | "       | "        | "        | "         |       |

**Calculated Analysis**

Date Sampled: **09/24/24 11:00**

| Analyte                 | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.106  | 0.00100         | units | 1        | BHI1071 | 09/28/24 | 09/28/24 | Calculation |       |

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

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**SEP01-DL@6'**  
**2409387-08 (Soil)**

**Summit Scientific**

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

Date Sampled: **09/24/24 11:00**

| Analyte  | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 89.3   |                 | %     | 1        | BHI0887 | 09/25/24 | 09/26/24 | Calculation |       |

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

Date Sampled: **09/24/24 11:00**

| Analyte                   | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.259  | 0.0100          | mmhos/cm | 1        | BHI0908 | 09/25/24 | 09/26/24 | EPA 120.1 |       |

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

Date Sampled: **09/24/24 11:00**

| Analyte | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH      | 8.44   |                 | pH Units | 1        | BHI0909 | 09/25/24 | 09/26/24 | EPA 9045D |       |

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**DL01-01@5'**  
**2409387-09 (Soil)**

**Summit Scientific**

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

Date Sampled: **09/24/24 11:28**

| Analyte                     | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene                     | ND     | 0.0020          | mg/kg | 1        | BHI0892 | 09/25/24 | 09/28/24 | 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: **09/24/24 11:28**

| Analyte                          | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | 0.0247 | 61.8 %          | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            | 0.0399 | 99.8 %          | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  | 0.0393 | 98.3 %          | 50-150 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **09/24/24 11:28**

| Analyte       | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND     | 50              | mg/kg | 1        | BHI0894 | 09/25/24 | 09/30/24 | EPA 8015M |       |
| C28-C36 (ORO) | ND     | 50              | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **09/24/24 11:28**

| Analyte                | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | 12.1   | 96.9 %          | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

Summit Scientific

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**DL01-01@5'**  
**2409387-09 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **09/24/24 11:28**

| Analyte                  | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene             | ND     | 0.00500         | mg/kg | 1        | BHI0857 | 09/25/24 | 09/26/24 | EPA 8270D SIM |       |
| Anthracene               | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (a) anthracene     | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (a) pyrene         | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (b) fluoranthene   | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Benzo (k) fluoranthene   | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Chrysene                 | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Dibenz (a,h) anthracene  | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Fluoranthene             | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Fluorene                 | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Indeno (1,2,3-cd) pyrene | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| Pyrene                   | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| 1-Methylnaphthalene      | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |
| 2-Methylnaphthalene      | ND     | 0.00500         | "     | "        | "       | "        | "        | "             |       |

Date Sampled: **09/24/24 11:28**

| Analyte                            | Result | Reporting Limit | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 0.0146 | 43.7 %          | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        | 0.0198 | 59.4 %          | 40-150 |          | "     | "        | "        | "      |       |

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

Date Sampled: **09/24/24 11:28**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron   | ND     | 2.00            | mg/L  | 1        | BHI0881 | 09/25/24 | 09/28/24 | EPA 6020B |       |

**Total Metals by EPA 6020B**

Date Sampled: **09/24/24 11:28**

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

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**DL01-01@5'**  
**2409387-09 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

| Analyte  | Result | Limit  | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------|--------|--------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic  | 1.16   | 0.180  | mg/kg dry | 1        | BHI0900 | 09/25/24 | 09/27/24 | EPA 6020B |       |
| Barium   | 22.8   | 0.360  | "         | "        | "       | "        | "        | "         |       |
| Cadmium  | ND     | 0.180  | "         | "        | "       | "        | "        | "         |       |
| Copper   | 1.29   | 0.360  | "         | "        | "       | "        | "        | "         |       |
| Lead     | 1.49   | 0.180  | "         | "        | "       | "        | "        | "         |       |
| Nickel   | 1.14   | 0.360  | "         | "        | "       | "        | "        | "         |       |
| Silver   | ND     | 0.0180 | "         | "        | "       | "        | "        | "         |       |
| Zinc     | 5.39   | 0.360  | "         | "        | "       | "        | "        | "         |       |
| Selenium | ND     | 0.234  | "         | "        | "       | "        | "        | "         |       |

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **09/24/24 11:28**

| Analyte              | Result | Reporting Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND     | 0.30            | mg/kg dry | 1        | BHI1042 | 09/27/24 | 09/30/24 | EPA 7196A |       |

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

Date Sampled: **09/24/24 11:28**

| Analyte   | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium   | 64.9   | 0.0500          | mg/L dry | 1        | BHI0907 | 09/25/24 | 09/27/24 | EPA 6020B |       |
| Magnesium | 16.2   | 0.0500          | "        | "        | "       | "        | "        | "         |       |
| Sodium    | 22.4   | 0.0500          | "        | "        | "       | "        | "        | "         |       |

**Calculated Analysis**

Date Sampled: **09/24/24 11:28**

| Analyte                 | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.644  | 0.00100         | units | 1        | BHI1071 | 09/28/24 | 09/28/24 | Calculation |       |

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

Summit Scientific

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**DL01-01@5'**  
**2409387-09 (Soil)**

**Summit Scientific**

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

Date Sampled: **09/24/24 11:28**

| Analyte  | Result      | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|----------|-------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | <b>90.0</b> |                 | %     | 1        | BHI0887 | 09/25/24 | 09/26/24 | Calculation |       |

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

Date Sampled: **09/24/24 11:28**

| Analyte                   | Result       | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------------|--------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | <b>0.622</b> | 0.0100          | mmhos/cm | 1        | BHI0908 | 09/25/24 | 09/26/24 | EPA 120.1 |       |

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

Date Sampled: **09/24/24 11:28**

| Analyte | Result      | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH      | <b>7.91</b> |                 | pH Units | 1        | BHI0909 | 09/25/24 | 09/26/24 | EPA 9045D |       |

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**BKG01@0-6''  
2409387-10 (Soil)**

**Summit Scientific**

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

Date Sampled: **09/24/24 14:00**

| Analyte | Result | Reporting |       | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|         |        | Limit     | Units |          |         |          |          |           |       |
| Boron   | ND     | 2.00      | mg/L  | 1        | BHI0881 | 09/25/24 | 09/28/24 | EPA 6020B |       |

**Total Metals by EPA 6020B**

Date Sampled: **09/24/24 14:00**

| Analyte  | Result | Reporting |           | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
|          |        | Limit     | Units     |          |         |          |          |           |       |
| Arsenic  | 3.29   | 0.200     | mg/kg dry | 1        | BHI0900 | 09/25/24 | 09/27/24 | EPA 6020B |       |
| Barium   | 74.1   | 0.400     | "         | "        | "       | "        | "        | "         |       |
| Cadmium  | 0.285  | 0.200     | "         | "        | "       | "        | "        | "         |       |
| Copper   | 8.38   | 0.400     | "         | "        | "       | "        | "        | "         |       |
| Lead     | 8.81   | 0.200     | "         | "        | "       | "        | "        | "         |       |
| Nickel   | 4.84   | 0.400     | "         | "        | "       | "        | "        | "         |       |
| Silver   | 0.0335 | 0.0200    | "         | "        | "       | "        | "        | "         |       |
| Zinc     | 35.8   | 0.400     | "         | "        | "       | "        | "        | "         |       |
| Selenium | 0.290  | 0.260     | "         | "        | "       | "        | "        | "         |       |

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **09/24/24 14:00**

| Analyte              | Result | Reporting |           | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
|                      |        | Limit     | Units     |          |         |          |          |           |       |
| Chromium, Hexavalent | ND     | 0.30      | mg/kg dry | 1        | BHI1042 | 09/27/24 | 09/30/24 | EPA 7196A |       |

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

Date Sampled: **09/24/24 14:00**

| Analyte   | Result | Reporting |          | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------|--------|-----------|----------|----------|---------|----------|----------|-----------|-------|
|           |        | Limit     | Units    |          |         |          |          |           |       |
| Calcium   | 69.1   | 0.0500    | mg/L dry | 1        | BHI0907 | 09/25/24 | 09/27/24 | EPA 6020B |       |
| Magnesium | 25.4   | 0.0500    | "        | "        | "       | "        | "        | "         |       |
| Sodium    | 28.3   | 0.0500    | "        | "        | "       | "        | "        | "         |       |

**Calculated Analysis**

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**BKG01@0-6''**  
**2409387-10 (Soil)**

**Summit Scientific**

**Calculated Analysis**

Date Sampled: **09/24/24 14:00**

| Analyte                 | Result       | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|-------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | <b>0.740</b> | 0.00100         | units | 1        | BHI1071 | 09/28/24 | 09/28/24 | Calculation |       |

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

Date Sampled: **09/24/24 14:00**

| Analyte  | Result      | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|----------|-------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | <b>87.8</b> |                 | %     | 1        | BHI0887 | 09/25/24 | 09/26/24 | Calculation |       |

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

Date Sampled: **09/24/24 14:00**

| Analyte                   | Result      | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | <b>1.21</b> | 0.0100          | mmhos/cm | 1        | BHI0908 | 09/25/24 | 09/26/24 | EPA 120.1 |       |

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

Date Sampled: **09/24/24 14:00**

| Analyte | Result      | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH      | <b>7.11</b> |                 | pH Units | 1        | BHI0909 | 09/25/24 | 09/26/24 | EPA 9045D |       |

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**BKG01@2.5'**  
**2409387-11 (Soil)**

**Summit Scientific**

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

Date Sampled: **09/24/24 14:02**

| Analyte | Result | Reporting |       | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|         |        | Limit     | Units |          |         |          |          |           |       |
| Boron   | ND     | 2.00      | mg/L  | 1        | BHI0881 | 09/25/24 | 09/28/24 | EPA 6020B |       |

**Total Metals by EPA 6020B**

Date Sampled: **09/24/24 14:02**

| Analyte  | Result | Reporting |           | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
|          |        | Limit     | Units     |          |         |          |          |           |       |
| Arsenic  | 4.41   | 0.200     | mg/kg dry | 1        | BHI0900 | 09/25/24 | 09/27/24 | EPA 6020B |       |
| Barium   | 122    | 0.400     | "         | "        | "       | "        | "        | "         |       |
| Cadmium  | 0.232  | 0.200     | "         | "        | "       | "        | "        | "         |       |
| Copper   | 5.46   | 0.400     | "         | "        | "       | "        | "        | "         |       |
| Lead     | 9.38   | 0.200     | "         | "        | "       | "        | "        | "         |       |
| Nickel   | 6.31   | 0.400     | "         | "        | "       | "        | "        | "         |       |
| Silver   | 0.0444 | 0.0200    | "         | "        | "       | "        | "        | "         |       |
| Zinc     | 20.5   | 0.400     | "         | "        | "       | "        | "        | "         |       |
| Selenium | ND     | 0.260     | "         | "        | "       | "        | "        | "         |       |

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **09/24/24 14:02**

| Analyte              | Result | Reporting |           | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
|                      |        | Limit     | Units     |          |         |          |          |           |       |
| Chromium, Hexavalent | ND     | 0.30      | mg/kg dry | 1        | BHI1042 | 09/27/24 | 09/30/24 | EPA 7196A |       |

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

Date Sampled: **09/24/24 14:02**

| Analyte   | Result | Reporting |          | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------|--------|-----------|----------|----------|---------|----------|----------|-----------|-------|
|           |        | Limit     | Units    |          |         |          |          |           |       |
| Calcium   | 49.5   | 0.0500    | mg/L dry | 1        | BHI0907 | 09/25/24 | 09/27/24 | EPA 6020B |       |
| Magnesium | 16.1   | 0.0500    | "        | "        | "       | "        | "        | "         |       |
| Sodium    | 11.9   | 0.0500    | "        | "        | "       | "        | "        | "         |       |

Summit Scientific

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**BKG01@2.5'**  
**2409387-11 (Soil)**

**Summit Scientific**

**Calculated Analysis**

Date Sampled: **09/24/24 14:02**

| Analyte                 | Result       | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|-------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | <b>0.376</b> | 0.00100         | units | 1        | BHI1071 | 09/28/24 | 09/28/24 | Calculation |       |

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

Date Sampled: **09/24/24 14:02**

| Analyte  | Result      | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|----------|-------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | <b>86.7</b> |                 | %     | 1        | BHI0887 | 09/25/24 | 09/26/24 | Calculation |       |

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

Date Sampled: **09/24/24 14:02**

| Analyte                   | Result       | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------------|--------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | <b>0.349</b> | 0.0100          | mmhos/cm | 1        | BHI0908 | 09/25/24 | 09/26/24 | EPA 120.1 |       |

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

Date Sampled: **09/24/24 14:02**

| Analyte | Result      | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH      | <b>7.36</b> |                 | pH Units | 1        | BHI0909 | 09/25/24 | 09/26/24 | EPA 9045D |       |

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**BKG01@4'**  
**2409387-12 (Soil)**

**Summit Scientific**

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

Date Sampled: **09/24/24 14:04**

| Analyte | Result | Reporting |       | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|         |        | Limit     | Units |          |         |          |          |           |       |
| Boron   | ND     | 2.00      | mg/L  | 1        | BHI0881 | 09/25/24 | 09/28/24 | EPA 6020B |       |

**Total Metals by EPA 6020B**

Date Sampled: **09/24/24 14:04**

| Analyte        | Result      | Reporting |           | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------|-------------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
|                |             | Limit     | Units     |          |         |          |          |           |       |
| <b>Arsenic</b> | <b>1.07</b> | 0.200     | mg/kg dry | 1        | BHI0900 | 09/25/24 | 09/27/24 | EPA 6020B |       |
| <b>Barium</b>  | <b>10.5</b> | 0.400     | "         | "        | "       | "        | "        | "         |       |
| Cadmium        | ND          | 0.200     | "         | "        | "       | "        | "        | "         |       |
| <b>Copper</b>  | <b>1.25</b> | 0.400     | "         | "        | "       | "        | "        | "         |       |
| <b>Lead</b>    | <b>1.49</b> | 0.200     | "         | "        | "       | "        | "        | "         |       |
| <b>Nickel</b>  | <b>1.60</b> | 0.400     | "         | "        | "       | "        | "        | "         |       |
| Silver         | ND          | 0.0200    | "         | "        | "       | "        | "        | "         |       |
| <b>Zinc</b>    | <b>5.72</b> | 0.400     | "         | "        | "       | "        | "        | "         |       |
| Selenium       | ND          | 0.260     | "         | "        | "       | "        | "        | "         |       |

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **09/24/24 14:04**

| Analyte              | Result | Reporting |           | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
|                      |        | Limit     | Units     |          |         |          |          |           |       |
| Chromium, Hexavalent | ND     | 0.30      | mg/kg dry | 1        | BHI1042 | 09/27/24 | 09/30/24 | EPA 7196A |       |

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

Date Sampled: **09/24/24 14:04**

| Analyte          | Result      | Reporting |          | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|------------------|-------------|-----------|----------|----------|---------|----------|----------|-----------|-------|
|                  |             | Limit     | Units    |          |         |          |          |           |       |
| <b>Calcium</b>   | <b>72.7</b> | 0.0500    | mg/L dry | 1        | BHI0907 | 09/25/24 | 09/27/24 | EPA 6020B |       |
| <b>Magnesium</b> | <b>13.3</b> | 0.0500    | "        | "        | "       | "        | "        | "         |       |
| <b>Sodium</b>    | <b>5.43</b> | 0.0500    | "        | "        | "       | "        | "        | "         |       |

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**BKG01@4'**  
**2409387-12 (Soil)**

**Summit Scientific**

**Calculated Analysis**

Date Sampled: **09/24/24 14:04**

| Analyte                 | Result       | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|-------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | <b>0.154</b> | 0.00100         | units | 1        | BHI1071 | 09/28/24 | 09/28/24 | Calculation |       |

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

Date Sampled: **09/24/24 14:04**

| Analyte  | Result      | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|----------|-------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | <b>97.4</b> |                 | %     | 1        | BHI0887 | 09/25/24 | 09/26/24 | Calculation |       |

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

Date Sampled: **09/24/24 14:04**

| Analyte                   | Result       | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------------|--------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | <b>0.292</b> | 0.0100          | mmhos/cm | 1        | BHI0908 | 09/25/24 | 09/26/24 | EPA 120.1 |       |

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

Date Sampled: **09/24/24 14:04**

| Analyte | Result      | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH      | <b>8.25</b> |                 | pH Units | 1        | BHI0909 | 09/25/24 | 09/26/24 | EPA 9045D |       |

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**BKG01@5'**  
**2409387-13 (Soil)**

**Summit Scientific**

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

Date Sampled: **09/24/24 14:06**

| Analyte | Result | Reporting |       | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|         |        | Limit     | Units |          |         |          |          |           |       |
| Boron   | ND     | 2.00      | mg/L  | 1        | BHI0881 | 09/25/24 | 09/28/24 | EPA 6020B |       |

**Total Metals by EPA 6020B**

Date Sampled: **09/24/24 14:06**

| Analyte        | Result      | Reporting |           | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------|-------------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
|                |             | Limit     | Units     |          |         |          |          |           |       |
| <b>Arsenic</b> | <b>1.46</b> | 0.200     | mg/kg dry | 1        | BHI0900 | 09/25/24 | 09/27/24 | EPA 6020B |       |
| <b>Barium</b>  | <b>18.7</b> | 0.400     | "         | "        | "       | "        | "        | "         |       |
| Cadmium        | ND          | 0.200     | "         | "        | "       | "        | "        | "         |       |
| <b>Copper</b>  | <b>1.36</b> | 0.400     | "         | "        | "       | "        | "        | "         |       |
| <b>Lead</b>    | <b>1.97</b> | 0.200     | "         | "        | "       | "        | "        | "         |       |
| <b>Nickel</b>  | <b>1.32</b> | 0.400     | "         | "        | "       | "        | "        | "         |       |
| Silver         | ND          | 0.0200    | "         | "        | "       | "        | "        | "         |       |
| <b>Zinc</b>    | <b>6.10</b> | 0.400     | "         | "        | "       | "        | "        | "         |       |
| Selenium       | ND          | 0.260     | "         | "        | "       | "        | "        | "         |       |

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **09/24/24 14:06**

| Analyte              | Result | Reporting |           | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
|                      |        | Limit     | Units     |          |         |          |          |           |       |
| Chromium, Hexavalent | ND     | 0.30      | mg/kg dry | 1        | BHI1042 | 09/27/24 | 09/30/24 | EPA 7196A |       |

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

Date Sampled: **09/24/24 14:06**

| Analyte          | Result      | Reporting |          | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|------------------|-------------|-----------|----------|----------|---------|----------|----------|-----------|-------|
|                  |             | Limit     | Units    |          |         |          |          |           |       |
| <b>Calcium</b>   | <b>139</b>  | 0.0500    | mg/L dry | 1        | BHI0907 | 09/25/24 | 09/27/24 | EPA 6020B |       |
| <b>Magnesium</b> | <b>17.0</b> | 0.0500    | "        | "        | "       | "        | "        | "         |       |
| <b>Sodium</b>    | <b>6.75</b> | 0.0500    | "        | "        | "       | "        | "        | "         |       |

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**BKG01@5'**  
**2409387-13 (Soil)**

**Summit Scientific**

**Calculated Analysis**

Date Sampled: **09/24/24 14:06**

| Analyte                 | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.144  | 0.00100         | units | 1        | BHI1071 | 09/28/24 | 09/28/24 | Calculation |       |

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

Date Sampled: **09/24/24 14:06**

| Analyte  | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 95.7   |                 | %     | 1        | BHI0887 | 09/25/24 | 09/26/24 | Calculation |       |

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

Date Sampled: **09/24/24 14:06**

| Analyte                   | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.270  | 0.0100          | mmhos/cm | 1        | BHI0908 | 09/25/24 | 09/26/24 | EPA 120.1 |       |

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

Date Sampled: **09/24/24 14:06**

| Analyte | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH      | 8.44   |                 | pH Units | 1        | BHI0909 | 09/25/24 | 09/26/24 | EPA 9045D |       |

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**BKG01@6'**  
**2409387-14 (Soil)**

**Summit Scientific**

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

Date Sampled: **09/24/24 14:08**

| Analyte | Result | Reporting |       | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|         |        | Limit     | Units |          |         |          |          |           |       |
| Boron   | ND     | 2.00      | mg/L  | 1        | BHI0881 | 09/25/24 | 09/28/24 | EPA 6020B |       |

**Total Metals by EPA 6020B**

Date Sampled: **09/24/24 14:08**

| Analyte        | Result      | Reporting |           | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------|-------------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
|                |             | Limit     | Units     |          |         |          |          |           |       |
| <b>Arsenic</b> | <b>1.61</b> | 0.200     | mg/kg dry | 1        | BHI0900 | 09/25/24 | 09/27/24 | EPA 6020B |       |
| <b>Barium</b>  | <b>17.7</b> | 0.400     | "         | "        | "       | "        | "        | "         |       |
| Cadmium        | ND          | 0.200     | "         | "        | "       | "        | "        | "         |       |
| <b>Copper</b>  | <b>1.73</b> | 0.400     | "         | "        | "       | "        | "        | "         |       |
| <b>Lead</b>    | <b>1.87</b> | 0.200     | "         | "        | "       | "        | "        | "         |       |
| <b>Nickel</b>  | <b>1.45</b> | 0.400     | "         | "        | "       | "        | "        | "         |       |
| Silver         | ND          | 0.0200    | "         | "        | "       | "        | "        | "         |       |
| <b>Zinc</b>    | <b>6.17</b> | 0.400     | "         | "        | "       | "        | "        | "         |       |
| Selenium       | ND          | 0.260     | "         | "        | "       | "        | "        | "         |       |

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **09/24/24 14:08**

| Analyte              | Result | Reporting |           | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
|                      |        | Limit     | Units     |          |         |          |          |           |       |
| Chromium, Hexavalent | ND     | 0.30      | mg/kg dry | 1        | BHI1042 | 09/27/24 | 09/30/24 | EPA 7196A |       |

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

Date Sampled: **09/24/24 14:08**

| Analyte          | Result      | Reporting |          | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|------------------|-------------|-----------|----------|----------|---------|----------|----------|-----------|-------|
|                  |             | Limit     | Units    |          |         |          |          |           |       |
| <b>Calcium</b>   | <b>95.6</b> | 0.0500    | mg/L dry | 1        | BHI0907 | 09/25/24 | 09/27/24 | EPA 6020B |       |
| <b>Magnesium</b> | <b>14.0</b> | 0.0500    | "        | "        | "       | "        | "        | "         |       |
| <b>Sodium</b>    | <b>8.71</b> | 0.0500    | "        | "        | "       | "        | "        | "         |       |

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

**BKG01@6'**  
**2409387-14 (Soil)**

**Summit Scientific**

**Calculated Analysis**

Date Sampled: **09/24/24 14:08**

| Analyte                 | Result       | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|-------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | <b>0.220</b> | 0.00100         | units | 1        | BHI1071 | 09/28/24 | 09/28/24 | Calculation |       |

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

Date Sampled: **09/24/24 14:08**

| Analyte  | Result      | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|----------|-------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | <b>94.1</b> |                 | %     | 1        | BHI0887 | 09/25/24 | 09/26/24 | Calculation |       |

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

Date Sampled: **09/24/24 14:08**

| Analyte                   | Result       | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------------|--------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | <b>0.295</b> | 0.0100          | mmhos/cm | 1        | BHI0908 | 09/25/24 | 09/26/24 | EPA 120.1 |       |

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

Date Sampled: **09/24/24 14:08**

| Analyte | Result      | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH      | <b>8.40</b> |                 | pH Units | 1        | BHI0909 | 09/25/24 | 09/26/24 | EPA 9045D |       |

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

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

#### Summit Scientific

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

#### Batch BHI0892 - EPA 5030 Soil MS

##### Blank (BHI0892-BLK1)

Prepared: 09/25/24 Analyzed: 09/28/24

|   |               |        |          |               |  |             |               |  |  |  |
|---|---------------|--------|----------|---------------|--|-------------|---------------|--|--|--|
| 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   | "        |               |  |             |               |  |  |  |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0391</i> |        | <i>"</i> | <i>0.0400</i> |  | <i>97.6</i> | <i>50-150</i> |  |  |  |
| <i>Surrogate: Toluene-d8</i>            | <i>0.0398</i> |        | <i>"</i> | <i>0.0400</i> |  | <i>99.5</i> | <i>50-150</i> |  |  |  |
| <i>Surrogate: 4-Bromofluorobenzene</i>  | <i>0.0387</i> |        | <i>"</i> | <i>0.0400</i> |  | <i>96.7</i> | <i>50-150</i> |  |  |  |

##### LCS (BHI0892-BS1)

Prepared: 09/25/24 Analyzed: 09/28/24

|   |               |        |          |               |  |             |               |  |  |  |
|---|---------------|--------|----------|---------------|--|-------------|---------------|--|--|--|
| Benzene                                 | 0.145         | 0.0020 | mg/kg    | 0.150         |  | 96.9        | 70-130        |  |  |  |
| Toluene                                 | 0.156         | 0.0050 | "        | 0.150         |  | 104         | 70-130        |  |  |  |
| Ethylbenzene                            | 0.142         | 0.0050 | "        | 0.150         |  | 95.0        | 70-130        |  |  |  |
| m,p-Xylene                              | 0.283         | 0.010  | "        | 0.300         |  | 94.3        | 70-130        |  |  |  |
| o-Xylene                                | 0.150         | 0.0050 | "        | 0.150         |  | 100         | 70-130        |  |  |  |
| 1,2,4-Trimethylbenzene                  | 0.131         | 0.0050 | "        | 0.150         |  | 87.6        | 70-130        |  |  |  |
| 1,3,5-Trimethylbenzene                  | 0.135         | 0.0050 | "        | 0.150         |  | 90.1        | 70-130        |  |  |  |
| Naphthalene                             | 0.134         | 0.0038 | "        | 0.150         |  | 89.6        | 70-130        |  |  |  |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0348</i> |        | <i>"</i> | <i>0.0400</i> |  | <i>87.0</i> | <i>50-150</i> |  |  |  |
| <i>Surrogate: Toluene-d8</i>            | <i>0.0397</i> |        | <i>"</i> | <i>0.0400</i> |  | <i>99.2</i> | <i>50-150</i> |  |  |  |
| <i>Surrogate: 4-Bromofluorobenzene</i>  | <i>0.0389</i> |        | <i>"</i> | <i>0.0400</i> |  | <i>97.4</i> | <i>50-150</i> |  |  |  |

##### Matrix Spike (BHI0892-MS1)

Source: 2409347-01

Prepared: 09/25/24 Analyzed: 09/28/24

|   |               |        |          |               |        |             |               |  |  |       |
|---|---------------|--------|----------|---------------|--------|-------------|---------------|--|--|-------|
| Benzene                                 | 0.134         | 0.0020 | mg/kg    | 0.150         | ND     | 89.1        | 70-130        |  |  |       |
| Toluene                                 | 0.144         | 0.0050 | "        | 0.150         | ND     | 95.8        | 70-130        |  |  |       |
| Ethylbenzene                            | 0.142         | 0.0050 | "        | 0.150         | 0.0167 | 83.8        | 70-130        |  |  |       |
| m,p-Xylene                              | 0.311         | 0.010  | "        | 0.300         | 0.0615 | 83.3        | 70-130        |  |  |       |
| o-Xylene                                | 0.151         | 0.0050 | "        | 0.150         | 0.0205 | 87.3        | 70-130        |  |  |       |
| 1,2,4-Trimethylbenzene                  | 0.107         | 0.0050 | "        | 0.150         | ND     | 71.3        | 70-130        |  |  |       |
| 1,3,5-Trimethylbenzene                  | 0.111         | 0.0050 | "        | 0.150         | ND     | 73.7        | 70-130        |  |  |       |
| Naphthalene                             | 0.100         | 0.0038 | "        | 0.150         | ND     | 66.7        | 70-130        |  |  | QM-05 |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0242</i> |        | <i>"</i> | <i>0.0400</i> |        | <i>60.4</i> | <i>50-150</i> |  |  |       |
| <i>Surrogate: Toluene-d8</i>            | <i>0.0400</i> |        | <i>"</i> | <i>0.0400</i> |        | <i>100</i>  | <i>50-150</i> |  |  |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>  | <i>0.0398</i> |        | <i>"</i> | <i>0.0400</i> |        | <i>99.4</i> | <i>50-150</i> |  |  |       |

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

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

**Summit Scientific**

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

**Batch BHI0892 - EPA 5030 Soil MS**

| <b>Matrix Spike Dup (BHI0892-MSD1)</b>  | <b>Source: 2409347-01</b> |        |          | <b>Prepared: 09/25/24 Analyzed: 09/28/24</b> |        |             |               |      |    |  |
|---|---------------------------|--------|----------|--|--------|-------------|---------------|------|----|--|
| Benzene                                 | 0.138                     | 0.0020 | mg/kg    | 0.150  | ND     | 91.7        | 70-130        | 2.90 | 30 |  |
| Toluene                                 | 0.147                     | 0.0050 | "        | 0.150  | ND     | 98.2        | 70-130        | 2.56 | 30 |  |
| Ethylbenzene                            | 0.149                     | 0.0050 | "        | 0.150  | 0.0167 | 88.0        | 70-130        | 4.39 | 30 |  |
| m,p-Xylene                              | 0.328                     | 0.010  | "        | 0.300  | 0.0615 | 88.8        | 70-130        | 5.21 | 30 |  |
| o-Xylene                                | 0.156                     | 0.0050 | "        | 0.150  | 0.0205 | 90.4        | 70-130        | 3.02 | 30 |  |
| 1,2,4-Trimethylbenzene                  | 0.114                     | 0.0050 | "        | 0.150  | ND     | 76.0        | 70-130        | 6.30 | 30 |  |
| 1,3,5-Trimethylbenzene                  | 0.117                     | 0.0050 | "        | 0.150  | ND     | 78.3        | 70-130        | 6.03 | 30 |  |
| Naphthalene                             | 0.110                     | 0.0038 | "        | 0.150  | ND     | 73.6        | 70-130        | 9.84 | 30 |  |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0258</i>             |        | <i>"</i> | <i>0.0400</i>                                |        | <i>64.6</i> | <i>50-150</i> |      |    |  |
| <i>Surrogate: Toluene-d8</i>            | <i>0.0400</i>             |        | <i>"</i> | <i>0.0400</i>                                |        | <i>99.9</i> | <i>50-150</i> |      |    |  |
| <i>Surrogate: 4-Bromofluorobenzene</i>  | <i>0.0391</i>             |        | <i>"</i> | <i>0.0400</i>                                |        | <i>97.8</i> | <i>50-150</i> |      |    |  |

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

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

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

**Batch BHI0894 - EPA 3550A**

**Blank (BHI0894-BLK1)**

Prepared: 09/25/24 Analyzed: 09/28/24

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

**LCS (BHI0894-BS1)**

Prepared: 09/25/24 Analyzed: 09/28/24

|                                |      |    |       |      |  |      |        |  |  |  |  |
|--------------------------------|------|----|-------|------|--|------|--------|--|--|--|--|
| C10-C28 (DRO)                  | 437  | 50 | mg/kg | 500  |  | 87.4 | 70-130 |  |  |  |  |
| Surrogate: <i>o</i> -Terphenyl | 11.9 |    | "     | 12.5 |  | 95.4 | 30-150 |  |  |  |  |

**Matrix Spike (BHI0894-MS1)**

Source: 2409364-01

Prepared: 09/25/24 Analyzed: 09/28/24

|                                |      |    |       |      |    |      |        |  |  |  |  |
|--------------------------------|------|----|-------|------|----|------|--------|--|--|--|--|
| C10-C28 (DRO)                  | 495  | 50 | mg/kg | 500  | ND | 98.9 | 70-130 |  |  |  |  |
| Surrogate: <i>o</i> -Terphenyl | 9.13 |    | "     | 12.5 |    | 73.0 | 30-150 |  |  |  |  |

**Matrix Spike Dup (BHI0894-MSD1)**

Source: 2409364-01

Prepared: 09/25/24 Analyzed: 09/28/24

|                                |      |    |       |      |    |      |        |      |    |  |  |
|--------------------------------|------|----|-------|------|----|------|--------|------|----|--|--|
| C10-C28 (DRO)                  | 464  | 50 | mg/kg | 500  | ND | 92.8 | 70-130 | 6.42 | 20 |  |  |
| Surrogate: <i>o</i> -Terphenyl | 9.20 |    | "     | 12.5 |    | 73.6 | 30-150 |      |    |  |  |

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

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

**Summit Scientific**

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

**Batch BHI0857 - EPA 5030 Soil MS**

**Blank (BHI0857-BLK1)**

Prepared: 09/25/24 Analyzed: 09/26/24

|   |               |         |       |               |  |             |               |  |  |  |
|---|---------------|---------|-------|---------------|--|-------------|---------------|--|--|--|
| 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 | "     |               |  |             |               |  |  |  |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0186</i> |         | "     | <i>0.0333</i> |  | <i>55.7</i> | <i>40-150</i> |  |  |  |
| <i>Surrogate: Fluoranthene-d10</i>        | <i>0.0222</i> |         | "     | <i>0.0333</i> |  | <i>66.6</i> | <i>40-150</i> |  |  |  |

**LCS (BHI0857-BS1)**

Prepared: 09/25/24 Analyzed: 09/26/24

|   |               |         |       |               |  |             |               |  |  |  |
|---|---------------|---------|-------|---------------|--|-------------|---------------|--|--|--|
| Acenaphthene                              | 0.0252        | 0.00500 | mg/kg | 0.0333        |  | 75.7        | 31-137        |  |  |  |
| Anthracene                                | 0.0251        | 0.00500 | "     | 0.0333        |  | 75.4        | 30-120        |  |  |  |
| Benzo (a) anthracene                      | 0.0279        | 0.00500 | "     | 0.0333        |  | 83.7        | 30-120        |  |  |  |
| Benzo (a) pyrene                          | 0.0264        | 0.00500 | "     | 0.0333        |  | 79.1        | 30-120        |  |  |  |
| Benzo (b) fluoranthene                    | 0.0282        | 0.00500 | "     | 0.0333        |  | 84.7        | 30-120        |  |  |  |
| Benzo (k) fluoranthene                    | 0.0251        | 0.00500 | "     | 0.0333        |  | 75.3        | 30-120        |  |  |  |
| Chrysene                                  | 0.0251        | 0.00500 | "     | 0.0333        |  | 75.3        | 30-120        |  |  |  |
| Dibenz (a,h) anthracene                   | 0.0352        | 0.00500 | "     | 0.0333        |  | 106         | 30-120        |  |  |  |
| Fluoranthene                              | 0.0239        | 0.00500 | "     | 0.0333        |  | 71.7        | 30-120        |  |  |  |
| Fluorene                                  | 0.0273        | 0.00500 | "     | 0.0333        |  | 81.8        | 30-120        |  |  |  |
| Indeno (1,2,3-cd) pyrene                  | 0.0366        | 0.00500 | "     | 0.0333        |  | 110         | 30-120        |  |  |  |
| Pyrene                                    | 0.0346        | 0.00500 | "     | 0.0333        |  | 104         | 35-142        |  |  |  |
| 1-Methylnaphthalene                       | 0.0227        | 0.00500 | "     | 0.0333        |  | 68.1        | 35-142        |  |  |  |
| 2-Methylnaphthalene                       | 0.0188        | 0.00500 | "     | 0.0333        |  | 56.5        | 35-142        |  |  |  |
| <i>Surrogate: 2-Methylnaphthalene-d10</i> | <i>0.0227</i> |         | "     | <i>0.0333</i> |  | <i>68.0</i> | <i>40-150</i> |  |  |  |
| <i>Surrogate: Fluoranthene-d10</i>        | <i>0.0244</i> |         | "     | <i>0.0333</i> |  | <i>73.3</i> | <i>40-150</i> |  |  |  |

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

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

**Summit Scientific**

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

**Batch BHI0857 - EPA 5030 Soil MS**

| <b>Matrix Spike (BHI0857-MS1)</b>  |        | <b>Source: 2409375-01</b> |       |        | Prepared: 09/25/24 Analyzed: 09/26/24 |             |
|------------------------------------|--------|---------------------------|-------|--------|---------------------------------------|-------------|
| Acenaphthene                       | 0.0177 | 0.00500                   | mg/kg | 0.0333 | ND                                    | 53.0 31-137 |
| Anthracene                         | 0.0183 | 0.00500                   | "     | 0.0333 | ND                                    | 55.0 30-120 |
| Benzo (a) anthracene               | 0.0207 | 0.00500                   | "     | 0.0333 | ND                                    | 62.0 30-120 |
| Benzo (a) pyrene                   | 0.0170 | 0.00500                   | "     | 0.0333 | ND                                    | 51.0 30-120 |
| Benzo (b) fluoranthene             | 0.0192 | 0.00500                   | "     | 0.0333 | ND                                    | 57.7 30-120 |
| Benzo (k) fluoranthene             | 0.0153 | 0.00500                   | "     | 0.0333 | ND                                    | 45.8 30-120 |
| Chrysene                           | 0.0199 | 0.00500                   | "     | 0.0333 | ND                                    | 59.7 30-120 |
| Dibenz (a,h) anthracene            | 0.0219 | 0.00500                   | "     | 0.0333 | ND                                    | 65.7 30-120 |
| Fluoranthene                       | 0.0173 | 0.00500                   | "     | 0.0333 | ND                                    | 52.0 30-120 |
| Fluorene                           | 0.0169 | 0.00500                   | "     | 0.0333 | ND                                    | 50.7 30-120 |
| Indeno (1,2,3-cd) pyrene           | 0.0215 | 0.00500                   | "     | 0.0333 | ND                                    | 64.6 30-120 |
| Pyrene                             | 0.0215 | 0.00500                   | "     | 0.0333 | ND                                    | 64.5 35-142 |
| 1-Methylnaphthalene                | 0.0160 | 0.00500                   | "     | 0.0333 | ND                                    | 47.9 15-130 |
| 2-Methylnaphthalene                | 0.0141 | 0.00500                   | "     | 0.0333 | ND                                    | 42.4 15-130 |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0171 |                           | "     | 0.0333 |                                       | 51.3 40-150 |
| Surrogate: Fluoranthene-d10        | 0.0175 |                           | "     | 0.0333 |                                       | 52.4 40-150 |

| <b>Matrix Spike Dup (BHI0857-MSD1)</b> |        | <b>Source: 2409375-01</b> |       |        | Prepared: 09/25/24 Analyzed: 09/26/24 |                     |
|--|--------|---------------------------|-------|--------|---------------------------------------|---------------------|
| Acenaphthene                           | 0.0202 | 0.00500                   | mg/kg | 0.0333 | ND                                    | 60.5 31-137 13.2 30 |
| Anthracene                             | 0.0215 | 0.00500                   | "     | 0.0333 | ND                                    | 64.4 30-120 15.7 30 |
| Benzo (a) anthracene                   | 0.0248 | 0.00500                   | "     | 0.0333 | ND                                    | 74.5 30-120 18.3 30 |
| Benzo (a) pyrene                       | 0.0200 | 0.00500                   | "     | 0.0333 | ND                                    | 60.0 30-120 16.3 30 |
| Benzo (b) fluoranthene                 | 0.0235 | 0.00500                   | "     | 0.0333 | ND                                    | 70.4 30-120 19.7 30 |
| Benzo (k) fluoranthene                 | 0.0188 | 0.00500                   | "     | 0.0333 | ND                                    | 56.4 30-120 20.7 30 |
| Chrysene                               | 0.0241 | 0.00500                   | "     | 0.0333 | ND                                    | 72.2 30-120 19.0 30 |
| Dibenz (a,h) anthracene                | 0.0270 | 0.00500                   | "     | 0.0333 | ND                                    | 81.0 30-120 20.9 30 |
| Fluoranthene                           | 0.0204 | 0.00500                   | "     | 0.0333 | ND                                    | 61.3 30-120 16.4 30 |
| Fluorene                               | 0.0199 | 0.00500                   | "     | 0.0333 | ND                                    | 59.7 30-120 16.4 30 |
| Indeno (1,2,3-cd) pyrene               | 0.0290 | 0.00500                   | "     | 0.0333 | ND                                    | 87.1 30-120 29.6 30 |
| Pyrene                                 | 0.0269 | 0.00500                   | "     | 0.0333 | ND                                    | 80.7 35-142 22.3 30 |
| 1-Methylnaphthalene                    | 0.0199 | 0.00500                   | "     | 0.0333 | ND                                    | 59.6 15-130 21.7 50 |
| 2-Methylnaphthalene                    | 0.0147 | 0.00500                   | "     | 0.0333 | ND                                    | 44.2 15-130 4.05 50 |
| Surrogate: 2-Methylnaphthalene-d10     | 0.0193 |                           | "     | 0.0333 |                                       | 57.8 40-150         |
| Surrogate: Fluoranthene-d10            | 0.0210 |                           | "     | 0.0333 |                                       | 63.0 40-150         |

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

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

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

**Batch BHI0881 - EPA 3050B**

**Blank (BHI0881-BLK1)**

Prepared: 09/25/24 Analyzed: 09/28/24

Boron ND 2.00 mg/L

**LCS (BHI0881-BS1)**

Prepared: 09/25/24 Analyzed: 09/28/24

Boron 5.30 2.00 mg/L 5.00 106 80-120

**Duplicate (BHI0881-DUP1)**

**Source: 2409375-01**

Prepared: 09/25/24 Analyzed: 09/28/24

Boron 0.186 2.00 mg/L 0.203 9.03 20

**Matrix Spike (BHI0881-MS1)**

**Source: 2409375-01**

Prepared: 09/25/24 Analyzed: 09/28/24

Boron 5.03 2.00 mg/L 5.04 0.203 95.8 75-125

**Matrix Spike Dup (BHI0881-MSD1)**

**Source: 2409375-01**

Prepared: 09/25/24 Analyzed: 09/28/24

Boron 4.99 2.00 mg/L 5.04 0.203 95.0 75-125 0.777 25

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

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

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

**Batch BHI0900 - EPA 3050B**

**Blank (BHI0900-BLK1)**

Prepared: 09/25/24 Analyzed: 09/27/24

|          |    |        |           |  |  |  |  |  |  |
|----------|----|--------|-----------|--|--|--|--|--|--|
| 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 (BHI0900-BS1)**

Prepared: 09/25/24 Analyzed: 09/27/24

|          |      |        |           |      |      |        |
|----------|------|--------|-----------|------|------|--------|
| Arsenic  | 36.8 | 0.200  | mg/kg wet | 37.6 | 97.9 | 80-120 |
| Barium   | 36.9 | 0.400  | "         | 37.6 | 98.3 | 80-120 |
| Cadmium  | 1.85 | 0.200  | "         | 1.88 | 98.6 | 80-120 |
| Copper   | 38.4 | 0.400  | "         | 37.6 | 102  | 80-120 |
| Lead     | 18.4 | 0.200  | "         | 18.8 | 97.7 | 80-120 |
| Nickel   | 38.3 | 0.400  | "         | 37.6 | 102  | 80-120 |
| Silver   | 1.87 | 0.0200 | "         | 1.88 | 99.6 | 80-120 |
| Zinc     | 37.8 | 0.400  | "         | 37.6 | 101  | 80-120 |
| Selenium | 4.04 | 0.260  | "         | 3.76 | 108  | 80-120 |

**Duplicate (BHI0900-DUP1)**

Source: 2409363-01

Prepared: 09/25/24 Analyzed: 09/27/24

|          |       |        |           |       |        |    |
|----------|-------|--------|-----------|-------|--------|----|
| Arsenic  | 2.96  | 0.180  | mg/kg dry | 2.76  | 6.78   | 20 |
| Barium   | 68.0  | 0.360  | "         | 70.7  | 3.84   | 20 |
| Cadmium  | 0.137 | 0.180  | "         | 0.132 | 3.57   | 20 |
| Copper   | 4.57  | 0.360  | "         | 4.40  | 3.85   | 20 |
| Lead     | 5.19  | 0.180  | "         | 4.84  | 7.16   | 20 |
| Nickel   | 5.23  | 0.360  | "         | 5.23  | 0.0207 | 20 |
| Silver   | 0.171 | 0.0180 | "         | 0.192 | 11.2   | 20 |
| Zinc     | 18.4  | 0.360  | "         | 17.8  | 3.38   | 20 |
| Selenium | ND    | 0.234  | "         | ND    |        | 20 |

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

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

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

**Batch BHI0900 - EPA 3050B**

**Matrix Spike (BHI0900-MS1)**

Source: 2409363-01

Prepared: 09/25/24 Analyzed: 09/27/24

|          |      |        |           |      |       |      |        |  |  |       |
|----------|------|--------|-----------|------|-------|------|--------|--|--|-------|
| Arsenic  | 40.5 | 0.200  | mg/kg dry | 41.1 | 2.76  | 91.9 | 75-125 |  |  |       |
| Barium   | 98.1 | 0.400  | "         | 41.1 | 70.7  | 66.8 | 75-125 |  |  | QM-05 |
| Cadmium  | 2.00 | 0.200  | "         | 2.05 | 0.132 | 90.7 | 75-125 |  |  |       |
| Copper   | 28.2 | 0.400  | "         | 41.1 | 4.40  | 58.0 | 75-125 |  |  | QM-05 |
| Lead     | 23.2 | 0.200  | "         | 20.5 | 4.84  | 89.3 | 75-125 |  |  |       |
| Nickel   | 29.4 | 0.400  | "         | 41.1 | 5.23  | 59.0 | 75-125 |  |  | QM-05 |
| Silver   | 2.05 | 0.0200 | "         | 2.05 | 0.192 | 90.3 | 75-125 |  |  |       |
| Zinc     | 42.1 | 0.400  | "         | 41.1 | 17.8  | 59.3 | 75-125 |  |  | QM-05 |
| Selenium | 3.89 | 0.260  | "         | 4.11 | ND    | 94.7 | 75-125 |  |  |       |

**Matrix Spike Dup (BHI0900-MSD1)**

Source: 2409363-01

Prepared: 09/25/24 Analyzed: 09/27/24

|          |      |        |           |      |       |      |        |       |    |       |
|----------|------|--------|-----------|------|-------|------|--------|-------|----|-------|
| Arsenic  | 40.2 | 0.181  | mg/kg dry | 40.5 | 2.76  | 92.6 | 75-125 | 0.742 | 25 |       |
| Barium   | 105  | 0.362  | "         | 40.5 | 70.7  | 84.5 | 75-125 | 6.67  | 25 |       |
| Cadmium  | 2.10 | 0.181  | "         | 2.02 | 0.132 | 97.5 | 75-125 | 5.36  | 25 |       |
| Copper   | 27.6 | 0.362  | "         | 40.5 | 4.40  | 57.4 | 75-125 | 2.05  | 25 | QM-05 |
| Lead     | 24.6 | 0.181  | "         | 20.2 | 4.84  | 97.8 | 75-125 | 6.11  | 25 |       |
| Nickel   | 28.5 | 0.362  | "         | 40.5 | 5.23  | 57.5 | 75-125 | 3.33  | 25 | QM-05 |
| Silver   | 2.16 | 0.0181 | "         | 2.02 | 0.192 | 97.3 | 75-125 | 5.40  | 25 |       |
| Zinc     | 41.9 | 0.362  | "         | 40.5 | 17.8  | 59.8 | 75-125 | 0.382 | 25 | QM-05 |
| Selenium | 3.89 | 0.236  | "         | 4.05 | ND    | 96.2 | 75-125 | 0.101 | 25 |       |

Summit Scientific

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

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

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

**Batch BHI1042 - 3060A Mod**

**Blank (BHI1042-BLK1)**

Prepared: 09/27/24 Analyzed: 09/30/24

Chromium, Hexavalent ND 0.30 mg/kg wet

**LCS (BHI1042-BS1)**

Prepared: 09/27/24 Analyzed: 09/30/24

Chromium, Hexavalent 26.7 0.30 mg/kg wet 25.0 107 80-120

**Duplicate (BHI1042-DUP1)**

**Source: 2409387-01**

Prepared: 09/27/24 Analyzed: 09/30/24

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

**Matrix Spike (BHI1042-MS1)**

**Source: 2409387-01**

Prepared: 09/27/24 Analyzed: 09/30/24

Chromium, Hexavalent 28.9 0.30 mg/kg dry 27.7 ND 104 75-125

**Matrix Spike Dup (BHI1042-MSD1)**

**Source: 2409387-01**

Prepared: 09/27/24 Analyzed: 09/30/24

Chromium, Hexavalent 29.3 0.30 mg/kg dry 27.7 ND 106 75-125 1.52 20

Summit Scientific

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

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

**Summit Scientific**

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

**Batch BHI0907 - General Preparation**

**Blank (BHI0907-BLK1)**

Prepared: 09/25/24 Analyzed: 09/27/24

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

**LCS (BHI0907-BS1)**

Prepared: 09/25/24 Analyzed: 09/27/24

|           |      |        |          |      |  |      |        |  |  |  |
|-----------|------|--------|----------|------|--|------|--------|--|--|--|
| Calcium   | 4.48 | 0.0500 | mg/L wet | 5.00 |  | 89.7 | 70-130 |  |  |  |
| Magnesium | 4.97 | 0.0500 | "        | 5.00 |  | 99.4 | 70-130 |  |  |  |
| Sodium    | 4.89 | 0.0500 | "        | 5.00 |  | 97.7 | 70-130 |  |  |  |

Summit Scientific

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

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

**Summit Scientific**

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

**Batch BHI0887 - General Preparation**

**Duplicate (BHI0887-DUP1)**

**Source: 2409375-01**

Prepared: 09/25/24 Analyzed: 09/26/24

|          |      |  |   |  |      |  |  |       |    |  |
|----------|------|--|---|--|------|--|--|-------|----|--|
| % Solids | 82.6 |  | % |  | 81.9 |  |  | 0.876 | 20 |  |
|----------|------|--|---|--|------|--|--|-------|----|--|

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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

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

**Summit Scientific**

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

**Batch BHI0908 - General Preparation**

**Blank (BHI0908-BLK1)**

Prepared: 09/25/24 Analyzed: 09/26/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

**LCS (BHI0908-BS1)**

Prepared: 09/25/24 Analyzed: 09/26/24

Specific Conductance (EC) 0.158 0.0100 mmhos/cm 0.150 105 95-105

**Duplicate (BHI0908-DUP1)**

Source: 2409378-01

Prepared: 09/25/24 Analyzed: 09/26/24

Specific Conductance (EC) 1.44 0.0100 mmhos/cm 1.46 1.79 20

Summit Scientific



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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

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

**Summit Scientific**

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

**Batch BHI0909 - General Preparation**

**LCS (BHI0909-BS1)**

Prepared: 09/25/24 Analyzed: 09/26/24

|    |      |          |      |     |        |
|----|------|----------|------|-----|--------|
| pH | 9.19 | pH Units | 9.18 | 100 | 95-105 |
|----|------|----------|------|-----|--------|

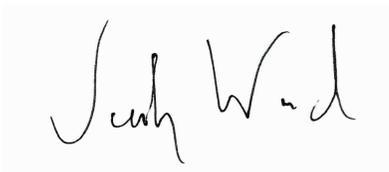
**Duplicate (BHI0909-DUP1)**

Source: 2409378-01

Prepared: 09/25/24 Analyzed: 09/26/24

|    |      |          |      |      |    |
|----|------|----------|------|------|----|
| pH | 8.62 | pH Units | 8.62 | 0.00 | 20 |
|----|------|----------|------|------|----|

Summit Scientific



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

Project: PDC - Moss 14-16H Tank Battery

Project Number: 36910  
Project Manager: Karen Olson

**Reported:**  
10/02/24 09:53

### Notes and Definitions

- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.
- 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