

# Summit Scientific

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4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

October 17, 2024

Brian Humphrey

Phillips 66

6900 E Layton Ave/ Suite 900

Denver, CO 80237

RE: Four Parmlee (H-6-9) 3/2024

Work Order #2410080

Enclosed are the results of analyses for samples received by Summit Scientific on 10/03/24 17:57. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

Jacob Wood For Paul Shrewsbury

President



Phillips 66  
6900 E Layton Ave/ Suite 900  
Denver CO, 80237

Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

#### ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|-----------|---------------|--------|----------------|----------------|
| MW04@6'   | 2410080-01    | Soil   | 10/02/24 14:47 | 10/03/24 17:57 |
| MW04@55'  | 2410080-02    | Soil   | 10/03/24 10:01 | 10/03/24 17:57 |
| MW07@28'  | 2410080-03    | Soil   | 10/03/24 12:35 | 10/03/24 17:57 |
| MW07@59'  | 2410080-04    | Soil   | 10/03/24 14:42 | 10/03/24 17:57 |

#### Case Narrative

Rerun analyses were performed by Summit Scientific to verify original Arsenic result for MW07@28' on 10/10/2024.

Both the original and rerun results have been included in this report.

The rerun results are denoted with "RE#."

This is a revision of the report originally sent on 10/10/2024 at 08:14 MT.

Summit Scientific

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

# SUMMIT SCIENTIFIC

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

|         |             |
|---------|-------------|
| Lab ID  | Page 1 of 1 |
| 2410080 |             |

|   |  |  |  |   |  |
|---|--|--|--|---|--|
| Client: Tasman OCE/P66                  |  | Send Data To: Project Manager: Stephen Weatherse, Brian Humphrey |  | Send Invoice To: Company: Tasman                |  |
| Address: 6855 W 119th Ave               |  | E-Mail: stephen.weatherse@p66.com                                |  | Project Name/Location: Four Farms (H-6-9) 03/24 |  |
| City/State/Zip: Broomfield / CO / 80220 |  | bhumphrey@tasman-gcp.com   |  | AFE#:   |  |
| Phone: 303-487-1228                     |  | Project Name: Four Farms (H-6-9) 03/24                           |  | PO/Billing Codes:                               |  |
| Sampler Name: B. Ulrich                 |  | Project Number:  |  | Contact: Brian Humphrey                         |  |

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative |      |      |       | Matrix |      |                |       | Analysis Requested |  |  |  | Special Instructions |
|----|--------------------|--------------|--------------|-----------------|--------------|------|------|-------|--------|------|----------------|-------|--------------------|--|--|--|----------------------|
|    |                    |              |              |                 | HCl          | HNO3 | None | Other | Water  | Soil | Air-Canister # | Other |                    |  |  |  |                      |
| 1  | MW04e6'            | 10-2-24      | 1447         | 2               |              |      | X    |       |        | X    |                |       | X                  |  |  |  |                      |
| 2  | MW04e55'           | 10-3-24      | 1001         | 1               |              |      |      |       |        |      |                |       |                    |  |  |  |                      |
| 3  | MW07e28'           | ↓            | 1235         | ↓               |              |      |      |       |        |      |                |       |                    |  |  |  |                      |
| 4  | MW07e59'           | ↓            | 1442         | ↓               |              |      |      |       |        |      |                |       |                    |  |  |  |                      |
| 5  |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |  |  |  |                      |
| 6  |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |  |  |  |                      |
| 7  |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |  |  |  |                      |
| 8  |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |  |  |  |                      |
| 9  |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |  |  |  |                      |
| 10 |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |  |  |  |                      |
| 11 |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |  |  |  |                      |
| 12 |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |  |  |  |                      |
| 13 |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |  |  |  |                      |
| 14 |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |  |  |  |                      |
| 15 |                    |              |              |                 |              |      |      |       |        |      |                |       |                    |  |  |  |                      |

|                                 |                          |                             |                         |                   |             |        |
|---------------------------------|--------------------------|-----------------------------|-------------------------|-------------------|-------------|--------|
| Relinquished by: [Signature]    | Date/Time: 10-3-24 1720  | Received by: Tasman Lockbox | Date/Time: 10-3-24 1720 | TAT Business Days | Field DO    | Notes: |
|                                 |                          |                             |                         | Same Day          | Field EC    |        |
| Relinquished by: Tasman Lockbox | Date/Time: 10324 1257    | Received by: [Signature]    | Date/Time: 10324 1757   | 1 Day             | Field ORP   |        |
|                                 |                          |                             |                         | 2 Days            | Field pH    |        |
| Relinquished by:                | Date/Time:               | Received by:                | Date/Time:              | 3 Days            | Field Temp. |        |
|                                 |                          |                             |                         | Standard          | Field Turb. |        |
| Temperature Upon Receipt: 7.9   | Corrected Temperature: 6 | IR gun #:                   | 1                       | HNO3 lot #:       |             |        |

S<sub>2</sub>

## Sample Receipt Checklist

S2 Work Order# 2410080Client: DUP/PLCClient Project ID: Four Parmlee (H69) 03/24Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other ☐ Airbill #: ☐

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

Matrix (Check all that apply)

Air

☐

Soil/Solid

☒

Water

☐

Other

☐

Temp (°C)

7.9

Thermometer #

1

|   | 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"/>            | <u>none</u>       |
| If custody seals are present, are they intact? <sup>(1)</sup>   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| 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.

Custodian Printed Name

Date/Time

AS

10/3/24



Phillips 66  
6900 E Layton Ave/ Suite 900  
Denver CO, 80237

Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

**MW04@6'**  
**2410080-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **10/02/24 14:47**

| Analyte                     | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|                             |        | Limit     |       |          |         |          |          |           |       |
| Benzene                     | ND     | 0.0020    | mg/kg | 1        | BHJ0226 | 10/04/24 | 10/05/24 | 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: **10/02/24 14:47**

| Analyte                          | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                  |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0403 | 101 %     | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            | 0.0403 | 101 %     | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  | 0.0402 | 100 %     | 50-150 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **10/02/24 14:47**

| Analyte       | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|               |        | Limit     |       |          |         |          |          |           |       |
| C10-C28 (DRO) | ND     | 50        | mg/kg | 1        | BHJ0228 | 10/04/24 | 10/09/24 | EPA 8015M |       |
| C28-C36 (ORO) | ND     | 50        | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **10/02/24 14:47**

| Analyte                | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                        |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: o-Terphenyl | 9.21   | 73.7 %    | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

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Phillips 66  
6900 E Layton Ave/ Suite 900  
Denver CO, 80237

Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

**MW04@6'**  
**2410080-01 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **10/02/24 14:47**

| Analyte                  | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|--------------------------|--------|-----------|-------|----------|---------|----------|----------|---------------|-------|
|                          |        | Limit     |       |          |         |          |          |               |       |
| Acenaphthene             | ND     | 0.00500   | mg/kg | 1        | BHJ0190 | 10/04/24 | 10/08/24 | 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: **10/02/24 14:47**

| Analyte                            | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                    |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0208 | 62.5 %    | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        | 0.0229 | 68.7 %    | 40-150 |          | "     | "        | "        | "      |       |

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

Date Sampled: **10/02/24 14:47**

| Analyte | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|         |        | Limit     |       |          |         |          |          |           |       |
| Boron   | ND     | 2.00      | mg/L  | 1        | BHJ0213 | 10/04/24 | 10/07/24 | EPA 6020B |       |

**Total Metals by EPA 6020B**

Date Sampled: **10/02/24 14:47**

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

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Phillips 66  
6900 E Layton Ave/ Suite 900  
Denver CO, 80237

Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

**MW04@6'**  
**2410080-01 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

|          |      |        |           |   |         |          |          |           |
|----------|------|--------|-----------|---|---------|----------|----------|-----------|
| Arsenic  | 1.14 | 0.200  | mg/kg dry | 1 | BHJ0233 | 10/04/24 | 10/09/24 | EPA 6020B |
| Barium   | 28.9 | 0.400  | "         | " | "       | "        | "        | "         |
| Cadmium  | ND   | 0.200  | "         | " | "       | "        | "        | "         |
| Copper   | 1.62 | 0.400  | "         | " | "       | "        | "        | "         |
| Lead     | 2.52 | 0.200  | "         | " | "       | "        | "        | "         |
| Nickel   | 1.89 | 0.400  | "         | " | "       | "        | "        | "         |
| Silver   | ND   | 0.0200 | "         | " | "       | "        | "        | "         |
| Zinc     | 7.71 | 0.400  | "         | " | "       | "        | "        | "         |
| Selenium | ND   | 0.260  | "         | " | "       | "        | "        | "         |

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **10/02/24 14:47**

| Analyte              | Result | Reporting Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND     | 0.30            | mg/kg dry | 1        | BHJ0205 | 10/04/24 | 10/04/24 | EPA 7196A |       |

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

Date Sampled: **10/02/24 14:47**

| Analyte   | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium   | 16.1   | 0.0500          | mg/L dry | 1        | BHJ0268 | 10/07/24 | 10/08/24 | EPA 6020B |       |
| Magnesium | 21.5   | 0.0500          | "        | "        | "       | "        | "        | "         |       |
| Sodium    | 16.0   | 0.0500          | "        | "        | "       | "        | "        | "         |       |

**Calculated Analysis**

Date Sampled: **10/02/24 14:47**

| Analyte                 | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.614  | 0.00100         | units | 1        | BHJ0331 | 10/09/24 | 10/09/24 | Calculation |       |

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

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6900 E Layton Ave/ Suite 900  
Denver CO, 80237

Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

**MW04@6'**  
**2410080-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **10/02/24 14:47**

| Analyte  | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 92.5   |                 | %     | 1        | BHJ0219 | 10/04/24 | 10/04/24 | Calculation |       |

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

Date Sampled: **10/02/24 14:47**

| Analyte                   | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.207  | 0.0100          | mmhos/cm | 1        | BHJ0270 | 10/07/24 | 10/08/24 | EPA 120.1 |       |

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

Date Sampled: **10/02/24 14:47**

| Analyte | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH      | 8.05   |                 | pH Units | 1        | BHJ0269 | 10/07/24 | 10/08/24 | EPA 9045D |       |

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6900 E Layton Ave/ Suite 900  
Denver CO, 80237

Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

**MW04@55'**  
**2410080-02 (Soil)**

**Summit Scientific**

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

Date Sampled: **10/03/24 10:01**

| Analyte                     | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|                             |        | Limit     |       |          |         |          |          |           |       |
| Benzene                     | ND     | 0.0020    | mg/kg | 1        | BHJ0226 | 10/04/24 | 10/06/24 | 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: **10/03/24 10:01**

| Analyte                          | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                  |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0410 | 102 %     | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            | 0.0386 | 96.4 %    | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  | 0.0404 | 101 %     | 50-150 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **10/03/24 10:01**

| Analyte       | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|               |        | Limit     |       |          |         |          |          |           |       |
| C10-C28 (DRO) | ND     | 50        | mg/kg | 1        | BHJ0228 | 10/04/24 | 10/09/24 | EPA 8015M |       |
| C28-C36 (ORO) | ND     | 50        | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **10/03/24 10:01**

| Analyte                | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                        |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: o-Terphenyl | 7.87   | 63.0 %    | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

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Phillips 66  
6900 E Layton Ave/ Suite 900  
Denver CO, 80237

Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

**MW04@55'**  
**2410080-02 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **10/03/24 10:01**

| Analyte                  | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|--------------------------|--------|-----------|-------|----------|---------|----------|----------|---------------|-------|
|                          |        | Limit     |       |          |         |          |          |               |       |
| Acenaphthene             | ND     | 0.00500   | mg/kg | 1        | BHJ0190 | 10/04/24 | 10/08/24 | 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: **10/03/24 10:01**

| Analyte                            | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                    |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0207 | 62.2 %    | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        | 0.0244 | 73.2 %    | 40-150 |          | "     | "        | "        | "      |       |

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

Date Sampled: **10/03/24 10:01**

| Analyte | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|         |        | Limit     |       |          |         |          |          |           |       |
| Boron   | ND     | 2.00      | mg/L  | 1        | BHJ0213 | 10/04/24 | 10/07/24 | EPA 6020B |       |

**Total Metals by EPA 6020B**

Date Sampled: **10/03/24 10:01**

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

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Phillips 66  
6900 E Layton Ave/ Suite 900  
Denver CO, 80237

Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

**MW04@55'**  
**2410080-02 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

|          |       |        |           |   |         |          |          |           |
|----------|-------|--------|-----------|---|---------|----------|----------|-----------|
| Arsenic  | 7.35  | 0.200  | mg/kg dry | 1 | BHJ0233 | 10/04/24 | 10/09/24 | EPA 6020B |
| Barium   | 39.0  | 0.400  | "         | " | "       | "        | "        | "         |
| Cadmium  | 0.371 | 0.200  | "         | " | "       | "        | "        | "         |
| Copper   | 7.98  | 0.400  | "         | " | "       | "        | "        | "         |
| Lead     | 16.9  | 0.200  | "         | " | "       | "        | "        | "         |
| Nickel   | 8.90  | 0.400  | "         | " | "       | "        | "        | "         |
| Silver   | 0.143 | 0.0200 | "         | " | "       | "        | "        | "         |
| Zinc     | 37.7  | 0.400  | "         | " | "       | "        | "        | "         |
| Selenium | 0.544 | 0.260  | "         | " | "       | "        | "        | "         |

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **10/03/24 10:01**

| Analyte              | Result | Reporting Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND     | 0.30            | mg/kg dry | 1        | BHJ0205 | 10/04/24 | 10/04/24 | EPA 7196A |       |

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

Date Sampled: **10/03/24 10:01**

| Analyte   | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium   | 15.6   | 0.0500          | mg/L dry | 1        | BHJ0268 | 10/07/24 | 10/08/24 | EPA 6020B |       |
| Magnesium | 8.21   | 0.0500          | "        | "        | "       | "        | "        | "         |       |
| Sodium    | 9.23   | 0.0500          | "        | "        | "       | "        | "        | "         |       |

**Calculated Analysis**

Date Sampled: **10/03/24 10:01**

| Analyte                 | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.471  | 0.00100         | units | 1        | BHJ0331 | 10/09/24 | 10/09/24 | Calculation |       |

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

Date Sampled: **10/03/24 10:01**

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

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Denver CO, 80237

Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

**MW04@55'**  
**2410080-02 (Soil)**

**Summit Scientific**

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

|          |      |   |   |         |          |          |             |
|----------|------|---|---|---------|----------|----------|-------------|
| % Solids | 84.2 | % | 1 | BHJ0219 | 10/04/24 | 10/04/24 | Calculation |
|----------|------|---|---|---------|----------|----------|-------------|

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

Date Sampled: **10/03/24 10:01**

| Analyte                   | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.180  | 0.0100          | mmhos/cm | 1        | BHJ0270 | 10/07/24 | 10/08/24 | EPA 120.1 |       |

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

Date Sampled: **10/03/24 10:01**

| Analyte | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH      | 8.85   |                 | pH Units | 1        | BHJ0269 | 10/07/24 | 10/08/24 | EPA 9045D |       |

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Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

**MW07@28'**  
**2410080-03 (Soil)**

**Summit Scientific**

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

Date Sampled: **10/03/24 12:35**

| Analyte                     | Result        | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|---------------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|                             |               | Limit     |       |          |         |          |          |           |       |
| <b>Benzene</b>              | <b>0.0058</b> | 0.0020    | mg/kg | 1        | BHJ0226 | 10/04/24 | 10/06/24 | EPA 8260B |       |
| <b>Toluene</b>              | <b>0.012</b>  | 0.0050    | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene                | ND            | 0.0050    | "     | "        | "       | "        | "        | "         |       |
| <b>Xylenes (total)</b>      | <b>0.021</b>  | 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: **10/03/24 12:35**

| Analyte                          | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                  |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0419 | 105 %     | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            | 0.0398 | 99.4 %    | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  | 0.0415 | 104 %     | 50-150 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **10/03/24 12:35**

| Analyte       | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|               |        | Limit     |       |          |         |          |          |           |       |
| C10-C28 (DRO) | ND     | 50        | mg/kg | 1        | BHJ0228 | 10/04/24 | 10/09/24 | EPA 8015M |       |
| C28-C36 (ORO) | ND     | 50        | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **10/03/24 12:35**

| Analyte                | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                        |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: o-Terphenyl | 10.6   | 84.4 %    | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

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Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

**MW07@28'**  
**2410080-03 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **10/03/24 12:35**

| Analyte                  | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|--------------------------|--------|-----------|-------|----------|---------|----------|----------|---------------|-------|
|                          |        | Limit     |       |          |         |          |          |               |       |
| Acenaphthene             | ND     | 0.00500   | mg/kg | 1        | BHJ0190 | 10/04/24 | 10/08/24 | 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: **10/03/24 12:35**

| Analyte                            | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                    |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0164 | 49.1 %    | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        | 0.0190 | 57.0 %    | 40-150 |          | "     | "        | "        | "      |       |

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

Date Sampled: **10/03/24 12:35**

| Analyte | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|         |        | Limit     |       |          |         |          |          |           |       |
| Boron   | ND     | 2.00      | mg/L  | 1        | BHJ0213 | 10/04/24 | 10/07/24 | EPA 6020B |       |

**Total Metals by EPA 6020B**

Date Sampled: **10/03/24 12:35**

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

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Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

**MW07@28'**  
**2410080-03 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

|          |       |        |           |   |         |          |          |           |
|----------|-------|--------|-----------|---|---------|----------|----------|-----------|
| Arsenic  | 76.4  | 0.200  | mg/kg dry | 1 | BHJ0233 | 10/04/24 | 10/09/24 | EPA 6020B |
| Barium   | 166   | 0.400  | "         | " | "       | "        | "        | "         |
| Cadmium  | 1.18  | 0.200  | "         | " | "       | "        | "        | "         |
| Copper   | 4.49  | 0.400  | "         | " | "       | "        | "        | "         |
| Lead     | 10.1  | 0.200  | "         | " | "       | "        | "        | "         |
| Nickel   | 6.67  | 0.400  | "         | " | "       | "        | "        | "         |
| Silver   | 0.166 | 0.0200 | "         | " | "       | "        | "        | "         |
| Zinc     | 5.67  | 0.400  | "         | " | "       | "        | "        | "         |
| Selenium | 1.27  | 0.260  | "         | " | "       | "        | "        | "         |

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **10/03/24 12:35**

| Analyte              | Result | Reporting |           | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
|                      |        | Limit     | Units     |          |         |          |          |           |       |
| Chromium, Hexavalent | ND     | 0.30      | mg/kg dry | 1        | BHJ0205 | 10/04/24 | 10/04/24 | EPA 7196A |       |

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

Date Sampled: **10/03/24 12:35**

| Analyte   | Result | Reporting |          | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------|--------|-----------|----------|----------|---------|----------|----------|-----------|-------|
|           |        | Limit     | Units    |          |         |          |          |           |       |
| Calcium   | 8.49   | 0.0500    | mg/L dry | 1        | BHJ0268 | 10/07/24 | 10/08/24 | EPA 6020B |       |
| Magnesium | 20.6   | 0.0500    | "        | "        | "       | "        | "        | "         |       |
| Sodium    | 2.67   | 0.0500    | "        | "        | "       | "        | "        | "         |       |

**Calculated Analysis**

Date Sampled: **10/03/24 12:35**

| Analyte                 | Result | Reporting |       | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|-------------------------|--------|-----------|-------|----------|---------|----------|----------|-------------|-------|
|                         |        | Limit     | Units |          |         |          |          |             |       |
| Sodium Adsorption Ratio | 0.113  | 0.00100   | units | 1        | BHJ0331 | 10/09/24 | 10/09/24 | Calculation |       |

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

Date Sampled: **10/03/24 12:35**

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

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6900 E Layton Ave/ Suite 900  
Denver CO, 80237

Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

**MW07@28'**  
**2410080-03 (Soil)**

**Summit Scientific**

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

|          |      |   |   |         |          |          |             |
|----------|------|---|---|---------|----------|----------|-------------|
| % Solids | 81.2 | % | 1 | BHJ0219 | 10/04/24 | 10/04/24 | Calculation |
|----------|------|---|---|---------|----------|----------|-------------|

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

Date Sampled: **10/03/24 12:35**

| Analyte                   | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.0742 | 0.0100          | mmhos/cm | 1        | BHJ0270 | 10/07/24 | 10/08/24 | EPA 120.1 |       |

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

Date Sampled: **10/03/24 12:35**

| Analyte | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH      | 7.98   |                 | pH Units | 1        | BHJ0269 | 10/07/24 | 10/08/24 | EPA 9045D |       |

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Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

**MW07@28'**  
**2410080-03RE1 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

| Date Sampled: 10/03/24 12:35 |        |                 |           |          |         |          |          |           |       |
|------------------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Analyte                      | Result | Reporting Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
| Arsenic                      | 45.4   | 0.200           | mg/kg dry | 1        | BHJ0537 | 10/04/24 | 10/16/24 | EPA 6020B |       |

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Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

**MW07@59'**  
**2410080-04 (Soil)**

**Summit Scientific**

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

Date Sampled: **10/03/24 14:42**

| Analyte                     | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|                             |        | Limit     |       |          |         |          |          |           |       |
| Benzene                     | ND     | 0.0020    | mg/kg | 1        | BHJ0226 | 10/04/24 | 10/06/24 | 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: **10/03/24 14:42**

| Analyte                          | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                  |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0411 | 103 %     | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            | 0.0393 | 98.3 %    | 50-150 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  | 0.0400 | 100 %     | 50-150 |          | "     | "        | "        | "      |       |

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **10/03/24 14:42**

| Analyte       | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|               |        | Limit     |       |          |         |          |          |           |       |
| C10-C28 (DRO) | ND     | 50        | mg/kg | 1        | BHJ0228 | 10/04/24 | 10/09/24 | EPA 8015M |       |
| C28-C36 (ORO) | ND     | 50        | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **10/03/24 14:42**

| Analyte                | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                        |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: o-Terphenyl | 7.47   | 59.7 %    | 30-150 |          | "     | "        | "        | "      |       |

**PAH by EPA Method 8270D SIM**

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Phillips 66  
6900 E Layton Ave/ Suite 900  
Denver CO, 80237

Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

**MW07@59'**  
**2410080-04 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **10/03/24 14:42**

| Analyte                  | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|--------------------------|--------|-----------|-------|----------|---------|----------|----------|---------------|-------|
|                          |        | Limit     |       |          |         |          |          |               |       |
| Acenaphthene             | ND     | 0.00500   | mg/kg | 1        | BHJ0190 | 10/04/24 | 10/08/24 | 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: **10/03/24 14:42**

| Analyte                            | Result | Reporting | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
|                                    |        | Limit     |        |          |       |          |          |        |       |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0179 | 53.7 %    | 40-150 |          | "     | "        | "        | "      |       |
| Surrogate: Fluoranthene-d10        | 0.0213 | 63.9 %    | 40-150 |          | "     | "        | "        | "      |       |

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

Date Sampled: **10/03/24 14:42**

| Analyte | Result | Reporting | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
|         |        | Limit     |       |          |         |          |          |           |       |
| Boron   | ND     | 2.00      | mg/L  | 1        | BHJ0213 | 10/04/24 | 10/07/24 | EPA 6020B |       |

**Total Metals by EPA 6020B**

Date Sampled: **10/03/24 14:42**

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

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6900 E Layton Ave/ Suite 900  
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Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

**MW07@59'**  
**2410080-04 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

|          |       |        |           |   |         |          |          |           |
|----------|-------|--------|-----------|---|---------|----------|----------|-----------|
| Arsenic  | 4.29  | 0.200  | mg/kg dry | 1 | BHJ0233 | 10/04/24 | 10/09/24 | EPA 6020B |
| Barium   | 35.2  | 0.400  | "         | " | "       | "        | "        | "         |
| Cadmium  | 0.320 | 0.200  | "         | " | "       | "        | "        | "         |
| Copper   | 9.32  | 0.400  | "         | " | "       | "        | "        | "         |
| Lead     | 18.6  | 0.200  | "         | " | "       | "        | "        | "         |
| Nickel   | 7.55  | 0.400  | "         | " | "       | "        | "        | "         |
| Silver   | 0.151 | 0.0200 | "         | " | "       | "        | "        | "         |
| Zinc     | 34.9  | 0.400  | "         | " | "       | "        | "        | "         |
| Selenium | 0.452 | 0.260  | "         | " | "       | "        | "        | "         |

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **10/03/24 14:42**

| Analyte              | Result | Reporting Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND     | 0.30            | mg/kg dry | 1        | BHJ0205 | 10/04/24 | 10/04/24 | EPA 7196A |       |

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

Date Sampled: **10/03/24 14:42**

| Analyte   | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium   | 21.4   | 0.0500          | mg/L dry | 1        | BHJ0268 | 10/07/24 | 10/08/24 | EPA 6020B |       |
| Magnesium | 21.3   | 0.0500          | "        | "        | "       | "        | "        | "         |       |
| Sodium    | 9.69   | 0.0500          | "        | "        | "       | "        | "        | "         |       |

**Calculated Analysis**

Date Sampled: **10/03/24 14:42**

| Analyte                 | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.355  | 0.00100         | units | 1        | BHJ0331 | 10/09/24 | 10/09/24 | Calculation |       |

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

Date Sampled: **10/03/24 14:42**

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

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6900 E Layton Ave/ Suite 900  
Denver CO, 80237

Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

**MW07@59'**  
**2410080-04 (Soil)**

**Summit Scientific**

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

|          |      |   |   |         |          |          |             |
|----------|------|---|---|---------|----------|----------|-------------|
| % Solids | 81.7 | % | 1 | BHJ0219 | 10/04/24 | 10/04/24 | Calculation |
|----------|------|---|---|---------|----------|----------|-------------|

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

Date Sampled: **10/03/24 14:42**

| Analyte                   | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.165  | 0.0100          | mmhos/cm | 1        | BHJ0270 | 10/07/24 | 10/08/24 | EPA 120.1 |       |

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

Date Sampled: **10/03/24 14:42**

| Analyte | Result | Reporting Limit | Units    | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH      | 9.26   |                 | pH Units | 1        | BHJ0269 | 10/07/24 | 10/08/24 | EPA 9045D |       |

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Phillips 66  
6900 E Layton Ave/ Suite 900  
Denver CO, 80237

Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

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

### Summit Scientific

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

#### Batch BHJ0226 - EPA 5030 Soil MS

##### Blank (BHJ0226-BLK1)

Prepared: 10/04/24 Analyzed: 10/05/24

|                                  |        |        |       |        |  |     |        |  |  |  |
|----------------------------------|--------|--------|-------|--------|--|-----|--------|--|--|--|
| Benzene                          | ND     | 0.0020 | mg/kg |        |  |     |        |  |  |  |
| Toluene                          | ND     | 0.0050 | "     |        |  |     |        |  |  |  |
| Ethylbenzene                     | ND     | 0.0050 | "     |        |  |     |        |  |  |  |
| Xylenes (total)                  | ND     | 0.010  | "     |        |  |     |        |  |  |  |
| 1,2,4-Trimethylbenzene           | ND     | 0.0050 | "     |        |  |     |        |  |  |  |
| 1,3,5-Trimethylbenzene           | ND     | 0.0050 | "     |        |  |     |        |  |  |  |
| Naphthalene                      | ND     | 0.0038 | "     |        |  |     |        |  |  |  |
| Gasoline Range Hydrocarbons      | ND     | 0.50   | "     |        |  |     |        |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0417 |        | "     | 0.0400 |  | 104 | 50-150 |  |  |  |
| Surrogate: Toluene-d8            | 0.0415 |        | "     | 0.0400 |  | 104 | 50-150 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 0.0406 |        | "     | 0.0400 |  | 102 | 50-150 |  |  |  |

##### LCS (BHJ0226-BS1)

Prepared: 10/04/24 Analyzed: 10/05/24

|                                  |        |        |       |        |  |      |        |  |  |  |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Benzene                          | 0.106  | 0.0020 | mg/kg | 0.100  |  | 106  | 70-130 |  |  |  |
| Toluene                          | 0.108  | 0.0050 | "     | 0.100  |  | 108  | 70-130 |  |  |  |
| Ethylbenzene                     | 0.105  | 0.0050 | "     | 0.100  |  | 105  | 70-130 |  |  |  |
| m,p-Xylene                       | 0.214  | 0.010  | "     | 0.200  |  | 107  | 70-130 |  |  |  |
| o-Xylene                         | 0.106  | 0.0050 | "     | 0.100  |  | 106  | 70-130 |  |  |  |
| 1,2,4-Trimethylbenzene           | 0.102  | 0.0050 | "     | 0.100  |  | 102  | 70-130 |  |  |  |
| 1,3,5-Trimethylbenzene           | 0.0996 | 0.0050 | "     | 0.100  |  | 99.6 | 70-130 |  |  |  |
| Naphthalene                      | 0.103  | 0.0038 | "     | 0.100  |  | 103  | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0416 |        | "     | 0.0400 |  | 104  | 50-150 |  |  |  |
| Surrogate: Toluene-d8            | 0.0403 |        | "     | 0.0400 |  | 101  | 50-150 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 0.0391 |        | "     | 0.0400 |  | 97.8 | 50-150 |  |  |  |

##### Matrix Spike (BHJ0226-MS1)

Source: 2410077-01

Prepared: 10/04/24 Analyzed: 10/05/24

|                                  |        |        |       |        |    |      |        |  |  |  |
|----------------------------------|--------|--------|-------|--------|----|------|--------|--|--|--|
| Benzene                          | 0.0990 | 0.0020 | mg/kg | 0.100  | ND | 99.0 | 70-130 |  |  |  |
| Toluene                          | 0.0997 | 0.0050 | "     | 0.100  | ND | 99.7 | 70-130 |  |  |  |
| Ethylbenzene                     | 0.0980 | 0.0050 | "     | 0.100  | ND | 98.0 | 70-130 |  |  |  |
| m,p-Xylene                       | 0.200  | 0.010  | "     | 0.200  | ND | 100  | 70-130 |  |  |  |
| o-Xylene                         | 0.0987 | 0.0050 | "     | 0.100  | ND | 98.7 | 70-130 |  |  |  |
| 1,2,4-Trimethylbenzene           | 0.0927 | 0.0050 | "     | 0.100  | ND | 92.7 | 70-130 |  |  |  |
| 1,3,5-Trimethylbenzene           | 0.0929 | 0.0050 | "     | 0.100  | ND | 92.9 | 70-130 |  |  |  |
| Naphthalene                      | 0.0899 | 0.0038 | "     | 0.100  | ND | 89.9 | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0436 |        | "     | 0.0400 |    | 109  | 50-150 |  |  |  |
| Surrogate: Toluene-d8            | 0.0408 |        | "     | 0.0400 |    | 102  | 50-150 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 0.0404 |        | "     | 0.0400 |    | 101  | 50-150 |  |  |  |

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6900 E Layton Ave/ Suite 900  
Denver CO, 80237

Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

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

### Summit Scientific

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

#### Batch BHJ0226 - EPA 5030 Soil MS

| Matrix Spike Dup (BHJ0226-MSD1)  |        | Source: 2410077-01 |       |        | Prepared: 10/04/24 Analyzed: 10/05/24 |      |        |       |    |  |
|----------------------------------|--------|--------------------|-------|--------|---------------------------------------|------|--------|-------|----|--|
| Benzene                          | 0.0975 | 0.0020             | mg/kg | 0.100  | ND                                    | 97.5 | 70-130 | 1.56  | 30 |  |
| Toluene                          | 0.0984 | 0.0050             | "     | 0.100  | ND                                    | 98.4 | 70-130 | 1.36  | 30 |  |
| Ethylbenzene                     | 0.0965 | 0.0050             | "     | 0.100  | ND                                    | 96.5 | 70-130 | 1.54  | 30 |  |
| m,p-Xylene                       | 0.195  | 0.010              | "     | 0.200  | ND                                    | 97.7 | 70-130 | 2.40  | 30 |  |
| o-Xylene                         | 0.0979 | 0.0050             | "     | 0.100  | ND                                    | 97.9 | 70-130 | 0.794 | 30 |  |
| 1,2,4-Trimethylbenzene           | 0.0908 | 0.0050             | "     | 0.100  | ND                                    | 90.8 | 70-130 | 2.09  | 30 |  |
| 1,3,5-Trimethylbenzene           | 0.0907 | 0.0050             | "     | 0.100  | ND                                    | 90.7 | 70-130 | 2.42  | 30 |  |
| Naphthalene                      | 0.0866 | 0.0038             | "     | 0.100  | ND                                    | 86.6 | 70-130 | 3.77  | 30 |  |
| Surrogate: 1,2-Dichloroethane-d4 |        | 0.0433             | "     | 0.0400 |                                       | 108  | 50-150 |       |    |  |
| Surrogate: Toluene-d8            |        | 0.0411             | "     | 0.0400 |                                       | 103  | 50-150 |       |    |  |
| Surrogate: 4-Bromofluorobenzene  |        | 0.0402             | "     | 0.0400 |                                       | 100  | 50-150 |       |    |  |

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Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

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

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

**Batch BHJ0228 - EPA 3550A**

**Blank (BHJ0228-BLK1)**

Prepared: 10/04/24 Analyzed: 10/08/24

|                        |      |    |       |      |  |      |        |  |  |  |
|------------------------|------|----|-------|------|--|------|--------|--|--|--|
| C10-C28 (DRO)          | ND   | 50 | mg/kg |      |  |      |        |  |  |  |
| C28-C36 (ORO)          | ND   | 50 | "     |      |  |      |        |  |  |  |
| Surrogate: o-Terphenyl | 12.0 |    | "     | 12.5 |  | 96.3 | 30-150 |  |  |  |

**LCS (BHJ0228-BS1)**

Prepared: 10/04/24 Analyzed: 10/08/24

|                        |      |    |       |      |  |      |        |  |  |  |
|------------------------|------|----|-------|------|--|------|--------|--|--|--|
| C10-C28 (DRO)          | 438  | 50 | mg/kg | 500  |  | 87.6 | 70-130 |  |  |  |
| Surrogate: o-Terphenyl | 11.5 |    | "     | 12.5 |  | 91.8 | 30-150 |  |  |  |

**Matrix Spike (BHJ0228-MS1)**

Source: 2410077-01

Prepared: 10/04/24 Analyzed: 10/08/24

|                        |      |    |       |      |    |      |        |  |  |  |
|------------------------|------|----|-------|------|----|------|--------|--|--|--|
| C10-C28 (DRO)          | 422  | 50 | mg/kg | 500  | ND | 84.4 | 70-130 |  |  |  |
| Surrogate: o-Terphenyl | 12.1 |    | "     | 12.5 |    | 96.8 | 30-150 |  |  |  |

**Matrix Spike Dup (BHJ0228-MSD1)**

Source: 2410077-01

Prepared: 10/04/24 Analyzed: 10/08/24

|                        |      |    |       |      |    |      |        |      |    |  |
|------------------------|------|----|-------|------|----|------|--------|------|----|--|
| C10-C28 (DRO)          | 447  | 50 | mg/kg | 500  | ND | 89.4 | 70-130 | 5.68 | 20 |  |
| Surrogate: o-Terphenyl | 10.6 |    | "     | 12.5 |    | 85.1 | 30-150 |      |    |  |

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6900 E Layton Ave/ Suite 900  
Denver CO, 80237

Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

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

### Summit Scientific

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

#### Batch BHJ0190 - EPA 5030 Soil MS

##### Blank (BHJ0190-BLK1)

Prepared: 10/04/24 Analyzed: 10/07/24

|                                    |        |         |       |        |  |      |        |  |  |  |
|------------------------------------|--------|---------|-------|--------|--|------|--------|--|--|--|
| Acenaphthene                       | ND     | 0.00500 | mg/kg |        |  |      |        |  |  |  |
| Anthracene                         | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Benzo (a) anthracene               | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Benzo (a) pyrene                   | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Benzo (b) fluoranthene             | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Benzo (k) fluoranthene             | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Chrysene                           | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Dibenz (a,h) anthracene            | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Fluoranthene                       | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Fluorene                           | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Indeno (1,2,3-cd) pyrene           | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Pyrene                             | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| 1-Methylnaphthalene                | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| 2-Methylnaphthalene                | ND     | 0.00500 | "     |        |  |      |        |  |  |  |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0201 |         | "     | 0.0333 |  | 60.3 | 40-150 |  |  |  |
| Surrogate: Fluoranthene-d10        | 0.0218 |         | "     | 0.0333 |  | 65.4 | 40-150 |  |  |  |

##### LCS (BHJ0190-BS1)

Prepared: 10/04/24 Analyzed: 10/07/24

|                                    |        |         |       |        |  |      |        |  |  |  |
|------------------------------------|--------|---------|-------|--------|--|------|--------|--|--|--|
| Acenaphthene                       | 0.0233 | 0.00500 | mg/kg | 0.0333 |  | 69.9 | 31-137 |  |  |  |
| Anthracene                         | 0.0231 | 0.00500 | "     | 0.0333 |  | 69.2 | 30-120 |  |  |  |
| Benzo (a) anthracene               | 0.0138 | 0.00500 | "     | 0.0333 |  | 41.6 | 30-120 |  |  |  |
| Benzo (a) pyrene                   | 0.0235 | 0.00500 | "     | 0.0333 |  | 70.4 | 30-120 |  |  |  |
| Benzo (b) fluoranthene             | 0.0253 | 0.00500 | "     | 0.0333 |  | 75.9 | 30-120 |  |  |  |
| Benzo (k) fluoranthene             | 0.0197 | 0.00500 | "     | 0.0333 |  | 59.0 | 30-120 |  |  |  |
| Chrysene                           | 0.0245 | 0.00500 | "     | 0.0333 |  | 73.6 | 30-120 |  |  |  |
| Dibenz (a,h) anthracene            | 0.0214 | 0.00500 | "     | 0.0333 |  | 64.1 | 30-120 |  |  |  |
| Fluoranthene                       | 0.0235 | 0.00500 | "     | 0.0333 |  | 70.6 | 30-120 |  |  |  |
| Fluorene                           | 0.0231 | 0.00500 | "     | 0.0333 |  | 69.3 | 30-120 |  |  |  |
| Indeno (1,2,3-cd) pyrene           | 0.0206 | 0.00500 | "     | 0.0333 |  | 61.9 | 30-120 |  |  |  |
| Pyrene                             | 0.0334 | 0.00500 | "     | 0.0333 |  | 100  | 35-142 |  |  |  |
| 1-Methylnaphthalene                | 0.0216 | 0.00500 | "     | 0.0333 |  | 64.9 | 35-142 |  |  |  |
| 2-Methylnaphthalene                | 0.0215 | 0.00500 | "     | 0.0333 |  | 64.6 | 35-142 |  |  |  |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0221 |         | "     | 0.0333 |  | 66.2 | 40-150 |  |  |  |
| Surrogate: Fluoranthene-d10        | 0.0249 |         | "     | 0.0333 |  | 74.8 | 40-150 |  |  |  |

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Phillips 66  
6900 E Layton Ave/ Suite 900  
Denver CO, 80237

Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

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

### Summit Scientific

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

#### Batch BHJ0190 - EPA 5030 Soil MS

##### Matrix Spike (BHJ0190-MS1)

Source: 2410068-01

Prepared: 10/04/24 Analyzed: 10/07/24

|                                    |        |         |       |        |         |      |        |  |  |
|------------------------------------|--------|---------|-------|--------|---------|------|--------|--|--|
| Acenaphthene                       | 0.0203 | 0.00500 | mg/kg | 0.0333 | ND      | 60.9 | 31-137 |  |  |
| Anthracene                         | 0.0209 | 0.00500 | "     | 0.0333 | ND      | 62.6 | 30-120 |  |  |
| Benzo (a) anthracene               | 0.0133 | 0.00500 | "     | 0.0333 | ND      | 40.0 | 30-120 |  |  |
| Benzo (a) pyrene                   | 0.0203 | 0.00500 | "     | 0.0333 | ND      | 61.0 | 30-120 |  |  |
| Benzo (b) fluoranthene             | 0.0222 | 0.00500 | "     | 0.0333 | ND      | 66.7 | 30-120 |  |  |
| Benzo (k) fluoranthene             | 0.0183 | 0.00500 | "     | 0.0333 | ND      | 54.9 | 30-120 |  |  |
| Chrysene                           | 0.0213 | 0.00500 | "     | 0.0333 | ND      | 63.8 | 30-120 |  |  |
| Dibenz (a,h) anthracene            | 0.0160 | 0.00500 | "     | 0.0333 | ND      | 48.1 | 30-120 |  |  |
| Fluoranthene                       | 0.0207 | 0.00500 | "     | 0.0333 | 0.00664 | 42.1 | 30-120 |  |  |
| Fluorene                           | 0.0209 | 0.00500 | "     | 0.0333 | ND      | 62.7 | 30-120 |  |  |
| Indeno (1,2,3-cd) pyrene           | 0.0156 | 0.00500 | "     | 0.0333 | ND      | 46.8 | 30-120 |  |  |
| Pyrene                             | 0.0266 | 0.00500 | "     | 0.0333 | ND      | 79.8 | 35-142 |  |  |
| 1-Methylnaphthalene                | 0.0200 | 0.00500 | "     | 0.0333 | ND      | 59.9 | 15-130 |  |  |
| 2-Methylnaphthalene                | 0.0199 | 0.00500 | "     | 0.0333 | ND      | 59.6 | 15-130 |  |  |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0202 |         | "     | 0.0333 |         | 60.5 | 40-150 |  |  |
| Surrogate: Fluoranthene-d10        | 0.0218 |         | "     | 0.0333 |         | 65.5 | 40-150 |  |  |

##### Matrix Spike Dup (BHJ0190-MSD1)

Source: 2410068-01

Prepared: 10/04/24 Analyzed: 10/07/24

|                                    |        |         |       |        |         |      |        |      |    |
|------------------------------------|--------|---------|-------|--------|---------|------|--------|------|----|
| Acenaphthene                       | 0.0193 | 0.00500 | mg/kg | 0.0333 | ND      | 57.9 | 31-137 | 5.08 | 30 |
| Anthracene                         | 0.0187 | 0.00500 | "     | 0.0333 | ND      | 56.0 | 30-120 | 11.2 | 30 |
| Benzo (a) anthracene               | 0.0147 | 0.00500 | "     | 0.0333 | ND      | 44.2 | 30-120 | 9.77 | 30 |
| Benzo (a) pyrene                   | 0.0189 | 0.00500 | "     | 0.0333 | ND      | 56.7 | 30-120 | 7.42 | 30 |
| Benzo (b) fluoranthene             | 0.0198 | 0.00500 | "     | 0.0333 | ND      | 59.3 | 30-120 | 11.7 | 30 |
| Benzo (k) fluoranthene             | 0.0174 | 0.00500 | "     | 0.0333 | ND      | 52.1 | 30-120 | 5.08 | 30 |
| Chrysene                           | 0.0196 | 0.00500 | "     | 0.0333 | ND      | 58.8 | 30-120 | 8.14 | 30 |
| Dibenz (a,h) anthracene            | 0.0143 | 0.00500 | "     | 0.0333 | ND      | 42.9 | 30-120 | 11.4 | 30 |
| Fluoranthene                       | 0.0189 | 0.00500 | "     | 0.0333 | 0.00664 | 36.7 | 30-120 | 9.06 | 30 |
| Fluorene                           | 0.0205 | 0.00500 | "     | 0.0333 | ND      | 61.4 | 30-120 | 2.18 | 30 |
| Indeno (1,2,3-cd) pyrene           | 0.0135 | 0.00500 | "     | 0.0333 | ND      | 40.4 | 30-120 | 14.8 | 30 |
| Pyrene                             | 0.0256 | 0.00500 | "     | 0.0333 | ND      | 76.7 | 35-142 | 3.95 | 30 |
| 1-Methylnaphthalene                | 0.0189 | 0.00500 | "     | 0.0333 | ND      | 56.6 | 15-130 | 5.55 | 50 |
| 2-Methylnaphthalene                | 0.0187 | 0.00500 | "     | 0.0333 | ND      | 56.2 | 15-130 | 5.92 | 50 |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0190 |         | "     | 0.0333 |         | 57.1 | 40-150 |      |    |
| Surrogate: Fluoranthene-d10        | 0.0200 |         | "     | 0.0333 |         | 59.9 | 40-150 |      |    |

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Phillips 66  
6900 E Layton Ave/ Suite 900  
Denver CO, 80237

Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

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

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

**Batch BHJ0213 - EPA 3050B**

**Blank (BHJ0213-BLK1)**

Prepared: 10/04/24 Analyzed: 10/07/24

Boron ND 2.00 mg/L

**LCS (BHJ0213-BS1)**

Prepared: 10/04/24 Analyzed: 10/07/24

Boron 4.87 2.00 mg/L 5.00 97.4 80-120

**Duplicate (BHJ0213-DUP1)**

**Source: 2410078-02**

Prepared: 10/04/24 Analyzed: 10/07/24

Boron 0.286 2.00 mg/L 0.175 47.8 20 QR-01

**Matrix Spike (BHJ0213-MS1)**

**Source: 2410078-02**

Prepared: 10/04/24 Analyzed: 10/07/24

Boron 4.67 2.00 mg/L 5.04 0.175 89.2 75-125

**Matrix Spike Dup (BHJ0213-MSD1)**

**Source: 2410078-02**

Prepared: 10/04/24 Analyzed: 10/07/24

Boron 4.98 2.00 mg/L 5.04 0.175 95.3 75-125 6.45 25

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Phillips 66  
6900 E Layton Ave/ Suite 900  
Denver CO, 80237

Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

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

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

**Batch BHJ0233 - EPA 3050B**

**Blank (BHJ0233-BLK1)**

Prepared: 10/04/24 Analyzed: 10/09/24

|          |    |        |           |
|----------|----|--------|-----------|
| 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 (BHJ0233-BS1)**

Prepared: 10/04/24 Analyzed: 10/09/24

|          |      |        |           |      |      |        |
|----------|------|--------|-----------|------|------|--------|
| Arsenic  | 37.0 | 0.200  | mg/kg wet | 39.7 | 93.2 | 80-120 |
| Barium   | 37.6 | 0.400  | "         | 39.7 | 94.8 | 80-120 |
| Cadmium  | 1.91 | 0.200  | "         | 1.98 | 96.2 | 80-120 |
| Copper   | 42.8 | 0.400  | "         | 39.7 | 108  | 80-120 |
| Lead     | 18.7 | 0.200  | "         | 19.8 | 94.1 | 80-120 |
| Nickel   | 42.6 | 0.400  | "         | 39.7 | 107  | 80-120 |
| Silver   | 1.90 | 0.0200 | "         | 1.98 | 96.0 | 80-120 |
| Zinc     | 41.8 | 0.400  | "         | 39.7 | 105  | 80-120 |
| Selenium | 4.26 | 0.260  | "         | 3.97 | 107  | 80-120 |

**Duplicate (BHJ0233-DUP1)**

Source: 2410077-01

Prepared: 10/04/24 Analyzed: 10/09/24

|          |        |        |           |        |       |    |
|----------|--------|--------|-----------|--------|-------|----|
| Arsenic  | 2.23   | 0.200  | mg/kg dry | 2.15   | 3.66  | 20 |
| Barium   | 65.1   | 0.400  | "         | 62.1   | 4.66  | 20 |
| Cadmium  | 0.159  | 0.200  | "         | 0.161  | 0.924 | 20 |
| Copper   | 3.55   | 0.400  | "         | 3.35   | 5.80  | 20 |
| Lead     | 5.42   | 0.200  | "         | 5.16   | 4.96  | 20 |
| Nickel   | 4.28   | 0.400  | "         | 3.97   | 7.53  | 20 |
| Silver   | 0.0202 | 0.0200 | "         | 0.0202 | 0.148 | 20 |
| Zinc     | 15.6   | 0.400  | "         | 14.4   | 8.15  | 20 |
| Selenium | ND     | 0.260  | "         | ND     |       | 20 |

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Phillips 66  
6900 E Layton Ave/ Suite 900  
Denver CO, 80237

Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

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

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

**Batch BHJ0233 - EPA 3050B**

| Matrix Spike (BHJ0233-MS1) |      | Source: 2410077-01 |           |      | Prepared: 10/04/24 Analyzed: 10/09/24 |      |        |  |  |       |
|----------------------------|------|--------------------|-----------|------|---------------------------------------|------|--------|--|--|-------|
| Arsenic                    | 37.3 | 0.200              | mg/kg dry | 39.2 | 2.15                                  | 89.8 | 75-125 |  |  |       |
| Barium                     | 99.3 | 0.400              | "         | 39.2 | 62.1                                  | 95.0 | 75-125 |  |  |       |
| Cadmium                    | 2.09 | 0.200              | "         | 1.96 | 0.161                                 | 98.4 | 75-125 |  |  |       |
| Copper                     | 28.6 | 0.400              | "         | 39.2 | 3.35                                  | 64.6 | 75-125 |  |  | QM-05 |
| Lead                       | 23.1 | 0.200              | "         | 19.6 | 5.16                                  | 91.4 | 75-125 |  |  |       |
| Nickel                     | 29.8 | 0.400              | "         | 39.2 | 3.97                                  | 65.9 | 75-125 |  |  | QM-05 |
| Silver                     | 1.87 | 0.0200             | "         | 1.96 | 0.0202                                | 94.6 | 75-125 |  |  |       |
| Zinc                       | 40.1 | 0.400              | "         | 39.2 | 14.4                                  | 65.6 | 75-125 |  |  | QM-05 |
| Selenium                   | 3.99 | 0.260              | "         | 3.92 | ND                                    | 102  | 75-125 |  |  |       |

| Matrix Spike Dup (BHJ0233-MSD1) |      | Source: 2410077-01 |           |      | Prepared: 10/04/24 Analyzed: 10/09/24 |      |        |       |    |       |
|---------------------------------|------|--------------------|-----------|------|---------------------------------------|------|--------|-------|----|-------|
| Arsenic                         | 37.2 | 0.200              | mg/kg dry | 39.2 | 2.15                                  | 89.4 | 75-125 | 0.351 | 25 |       |
| Barium                          | 91.6 | 0.400              | "         | 39.2 | 62.1                                  | 75.2 | 75-125 | 8.14  | 25 |       |
| Cadmium                         | 2.10 | 0.200              | "         | 1.96 | 0.161                                 | 99.2 | 75-125 | 0.748 | 25 |       |
| Copper                          | 29.0 | 0.400              | "         | 39.2 | 3.35                                  | 65.5 | 75-125 | 1.25  | 25 | QM-05 |
| Lead                            | 23.3 | 0.200              | "         | 19.6 | 5.16                                  | 92.5 | 75-125 | 0.959 | 25 |       |
| Nickel                          | 30.2 | 0.400              | "         | 39.2 | 3.97                                  | 67.1 | 75-125 | 1.50  | 25 | QM-05 |
| Silver                          | 1.90 | 0.0200             | "         | 1.96 | 0.0202                                | 95.8 | 75-125 | 1.23  | 25 |       |
| Zinc                            | 41.1 | 0.400              | "         | 39.2 | 14.4                                  | 68.3 | 75-125 | 2.53  | 25 | QM-05 |
| Selenium                        | 3.94 | 0.260              | "         | 3.92 | ND                                    | 101  | 75-125 | 1.29  | 25 |       |

**Batch BHJ0537 - EPA 3050B**

| Blank (BHJ0537-BLK1) |    | Prepared: 10/15/24 Analyzed: 10/16/24 |           |  |  |  |  |  |  |  |
|----------------------|----|---------------------------------------|-----------|--|--|--|--|--|--|--|
| 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                                 | "         |  |  |  |  |  |  |  |

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Phillips 66  
6900 E Layton Ave/ Suite 900  
Denver CO, 80237

Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

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

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

**Batch BHJ0537 - EPA 3050B**

**LCS (BHJ0537-BS1)**

Prepared: 10/15/24 Analyzed: 10/16/24

|          |      |        |           |      |  |      |        |  |  |  |
|----------|------|--------|-----------|------|--|------|--------|--|--|--|
| Arsenic  | 37.8 | 0.200  | mg/kg wet | 40.3 |  | 93.7 | 80-120 |  |  |  |
| Barium   | 39.5 | 0.400  | "         | 40.3 |  | 97.9 | 80-120 |  |  |  |
| Cadmium  | 1.98 | 0.200  | "         | 2.02 |  | 98.3 | 80-120 |  |  |  |
| Copper   | 41.8 | 0.400  | "         | 40.3 |  | 104  | 80-120 |  |  |  |
| Lead     | 19.3 | 0.200  | "         | 20.2 |  | 95.8 | 80-120 |  |  |  |
| Nickel   | 41.1 | 0.400  | "         | 40.3 |  | 102  | 80-120 |  |  |  |
| Silver   | 2.00 | 0.0200 | "         | 2.02 |  | 99.4 | 80-120 |  |  |  |
| Zinc     | 41.4 | 0.400  | "         | 40.3 |  | 103  | 80-120 |  |  |  |
| Selenium | 4.09 | 0.260  | "         | 4.03 |  | 101  | 80-120 |  |  |  |

**Duplicate (BHJ0537-DUP1)**

Source: 2410080-03RE1 Prepared: 10/15/24 Analyzed: 10/16/24

|          |       |        |           |  |       |  |  |      |    |       |
|----------|-------|--------|-----------|--|-------|--|--|------|----|-------|
| Arsenic  | 59.8  | 0.200  | mg/kg dry |  | 45.4  |  |  | 27.4 | 20 | QR-02 |
| Barium   | 153   | 0.400  | "         |  | 151   |  |  | 1.46 | 20 |       |
| Cadmium  | 1.03  | 0.200  | "         |  | 0.808 |  |  | 24.2 | 20 | QR-01 |
| Copper   | 4.66  | 0.400  | "         |  | 4.00  |  |  | 15.0 | 20 |       |
| Lead     | 9.37  | 0.200  | "         |  | 8.00  |  |  | 15.8 | 20 |       |
| Nickel   | 7.06  | 0.400  | "         |  | 5.81  |  |  | 19.4 | 20 |       |
| Silver   | 0.155 | 0.0200 | "         |  | 0.115 |  |  | 29.4 | 20 | QR-01 |
| Zinc     | 7.33  | 0.400  | "         |  | 4.41  |  |  | 49.8 | 20 | QR-02 |
| Selenium | 0.669 | 0.260  | "         |  | 0.539 |  |  | 21.6 | 20 | QR-01 |

**Matrix Spike (BHJ0537-MS1)**

Source: 2410080-03RE1 Prepared: 10/15/24 Analyzed: 10/16/24

|          |      |        |           |      |       |      |        |  |  |       |
|----------|------|--------|-----------|------|-------|------|--------|--|--|-------|
| Arsenic  | 114  | 0.200  | mg/kg dry | 51.3 | 45.4  | 134  | 75-125 |  |  | QM-05 |
| Barium   | 143  | 0.400  | "         | 51.3 | 151   | NR   | 75-125 |  |  | QM-05 |
| Cadmium  | 3.55 | 0.200  | "         | 2.56 | 0.808 | 107  | 75-125 |  |  |       |
| Copper   | 18.0 | 0.400  | "         | 51.3 | 4.00  | 27.3 | 75-125 |  |  | QM-05 |
| Lead     | 32.8 | 0.200  | "         | 25.6 | 8.00  | 96.7 | 75-125 |  |  |       |
| Nickel   | 20.5 | 0.400  | "         | 51.3 | 5.81  | 28.7 | 75-125 |  |  | QM-05 |
| Silver   | 2.63 | 0.0200 | "         | 2.56 | 0.115 | 98.1 | 75-125 |  |  |       |
| Zinc     | 21.2 | 0.400  | "         | 51.3 | 4.41  | 32.8 | 75-125 |  |  | QM-05 |
| Selenium | 3.27 | 0.260  | "         | 5.13 | 0.539 | 53.2 | 75-125 |  |  | QM-05 |

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Phillips 66  
6900 E Layton Ave/ Suite 900  
Denver CO, 80237

Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

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

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

**Batch BHJ0537 - EPA 3050B**

| Matrix Spike Dup (BHJ0537-MSD1) |      | Source: 2410080-03RE1 |           |      | Prepared: 10/15/24 |      | Analyzed: 10/16/24 |        |    |  |       |
|---------------------------------|------|-----------------------|-----------|------|--------------------|------|--------------------|--------|----|--|-------|
| Arsenic                         | 106  | 0.200                 | mg/kg dry | 48.8 | 45.4               | 124  | 75-125             | 7.39   | 25 |  |       |
| Barium                          | 158  | 0.400                 | "         | 48.8 | 151                | 14.5 | 75-125             | 10.1   | 25 |  | QM-05 |
| Cadmium                         | 3.66 | 0.200                 | "         | 2.44 | 0.808              | 117  | 75-125             | 3.03   | 25 |  |       |
| Copper                          | 14.7 | 0.400                 | "         | 48.8 | 4.00               | 21.8 | 75-125             | 20.3   | 25 |  | QM-05 |
| Lead                            | 28.9 | 0.200                 | "         | 24.4 | 8.00               | 85.5 | 75-125             | 12.7   | 25 |  |       |
| Nickel                          | 15.6 | 0.400                 | "         | 48.8 | 5.81               | 20.0 | 75-125             | 27.3   | 25 |  | QM-05 |
| Silver                          | 2.63 | 0.0200                | "         | 2.44 | 0.115              | 103  | 75-125             | 0.0455 | 25 |  |       |
| Zinc                            | 14.9 | 0.400                 | "         | 48.8 | 4.41               | 21.5 | 75-125             | 35.1   | 25 |  | QM-05 |
| Selenium                        | 1.92 | 0.260                 | "         | 4.88 | 0.539              | 28.3 | 75-125             | 52.0   | 25 |  | QM-05 |

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Phillips 66  
6900 E Layton Ave/ Suite 900  
Denver CO, 80237

Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

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

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

**Batch BHJ0205 - 3060A Mod**

**Blank (BHJ0205-BLK1)**

Prepared & Analyzed: 10/04/24

Chromium, Hexavalent ND 0.30 mg/kg wet

**LCS (BHJ0205-BS1)**

Prepared & Analyzed: 10/04/24

Chromium, Hexavalent 27.0 0.30 mg/kg wet 25.0 108 80-120

**Duplicate (BHJ0205-DUP1)**

Source: 2410068-01

Prepared & Analyzed: 10/04/24

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

**Matrix Spike (BHJ0205-MS1)**

Source: 2410068-01

Prepared & Analyzed: 10/04/24

Chromium, Hexavalent 28.1 0.30 mg/kg dry 25.7 ND 109 75-125

**Matrix Spike Dup (BHJ0205-MSD1)**

Source: 2410068-01

Prepared & Analyzed: 10/04/24

Chromium, Hexavalent 27.8 0.30 mg/kg dry 25.7 ND 108 75-125 1.10 20

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Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

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

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

**Batch BHJ0268 - General Preparation**

**Blank (BHJ0268-BLK1)**

Prepared: 10/07/24 Analyzed: 10/08/24

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

**LCS (BHJ0268-BS1)**

Prepared: 10/07/24 Analyzed: 10/08/24

|           |      |        |          |      |     |        |
|-----------|------|--------|----------|------|-----|--------|
| Calcium   | 5.88 | 0.0500 | mg/L wet | 5.00 | 118 | 70-130 |
| Magnesium | 5.14 | 0.0500 | "        | 5.00 | 103 | 70-130 |
| Sodium    | 5.19 | 0.0500 | "        | 5.00 | 104 | 70-130 |

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Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

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

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

**Batch BHJ0219 - General Preparation**

| Duplicate (BHJ0219-DUP1) |      |  | Source: 2410064-01 |  |      | Prepared & Analyzed: 10/04/24 |       |  |    |  |
|--------------------------|------|--|--------------------|--|------|-------------------------------|-------|--|----|--|
| % Solids                 | 87.2 |  | %                  |  | 86.9 |                               | 0.274 |  | 20 |  |

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Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]

Project Manager: Brian Humphrey

**Reported:**

10/17/24 11:21

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

**Summit Scientific**

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

**Batch BHJ0270 - General Preparation**

**Blank (BHJ0270-BLK1)**

Prepared: 10/07/24 Analyzed: 10/08/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

**LCS (BHJ0270-BS1)**

Prepared: 10/07/24 Analyzed: 10/08/24

Specific Conductance (EC) 0.156 0.0100 mmhos/cm 0.150 104 95-105

**Duplicate (BHJ0270-DUP1)**

**Source: 2410070-01**

Prepared: 10/07/24 Analyzed: 10/08/24

Specific Conductance (EC) 0.358 0.0100 mmhos/cm 0.364 1.52 20

Summit Scientific

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Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

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

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

**Batch BHJ0269 - General Preparation**

|                                 |      |  |          |      |  |        |    |  |  |  |
|---------------------------------|------|--|----------|------|--|--------|----|--|--|--|
| <b>LCS (BHJ0269-BS1)</b>        |      |  |          |      | Prepared: 10/07/24 Analyzed: 10/08/24                    |        |    |  |  |  |
| pH                              | 9.23 |  | pH Units | 9.18 | 101  | 95-105 |    |  |  |  |
| <b>Duplicate (BHJ0269-DUP1)</b> |      |  |          |      | Source: 2410064-01 Prepared: 10/07/24 Analyzed: 10/08/24 |        |    |  |  |  |
| pH                              | 7.16 |  | pH Units | 7.14 |  | 0.280  | 20 |  |  |  |

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Project: Four Parmlee (H-6-9) 3/2024

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
10/17/24 11:21

### Notes and Definitions

|       |   |
|-------|---|
| QR-02 | The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data. |
| QR-01 | Analyses are not controlled on RPD values from sample concentrations below the reporting limit. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.                     |
| QM-05 | The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.                  |
| 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   |