

# Summit Scientific

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4653 Table Mountain Drive, Golden, Colorado 80403

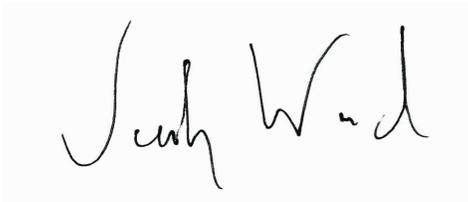
303.277.9310

August 22, 2024

Paul Henchan  
Fremont Environmental  
PO Box 1289  
Wellington, CO 80549  
RE: Chevron - Branch 1-3  
Work Order #2408178

Enclosed are the results of analyses for samples received by Summit Scientific on 08/16/24 16:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink that reads "Jacob Wood". The signature is written in a cursive style with a small "w" at the end of the last name.

Jacob Wood For Paul Shrewsbury  
President



Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - Branch 1-3

Project Number: C022-066  
Project Manager: Paul Henchan

**Reported:**  
08/22/24 10:52

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|-----------|---------------|--------|----------------|----------------|
| MW 1      | 2408178-01    | Water  | 08/16/24 00:00 | 08/16/24 16:40 |
| MW 2      | 2408178-02    | Water  | 08/16/24 00:00 | 08/16/24 16:40 |
| MW 3      | 2408178-03    | Water  | 08/16/24 00:00 | 08/16/24 16:40 |
| MW 4      | 2408178-04    | Water  | 08/16/24 00:00 | 08/16/24 16:40 |
| MW 5      | 2408178-05    | Water  | 08/16/24 00:00 | 08/16/24 16:40 |

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 2408178 Page 1 of 1

|                                       |                                   |                              |  |
|---------------------------------------|-----------------------------------|------------------------------|--|
| <b>Send Data To:</b>                  |                                   | <b>Send Invoice To:</b>      |  |
| Client: Fremont Environmental         | Project Manager: Paul Henehan     | Company: <u>Chevron</u>      |  |
| Address: 8305 6th Street              | E-Mail: Fremont Distribution List | Project Name/Location:       |  |
| City/State/Zip: Wellington, CO, 80549 |                                   | AFE#: <u>UWRWE-A1963-ABN</u> |  |
| Phone: 603-477-6907                   | Project Name: <u>Branch 1-3</u>   | PO/Billing Codes:            |  |
| Sampler Name: Aaron Otilar            | Project Number: <u>C022-066</u>   | Contact: <u>Dan Peterson</u> |  |

| ID | Sample Description | Date Sampled | Time Sampled | Preservative    |     |      |      |       | Matrix |      |                |       | Analysis Requested |              |     |             |                |                    | Special Instructions |              |   |  |
|----|--------------------|--------------|--------------|-----------------|-----|------|------|-------|--------|------|----------------|-------|--------------------|--------------|-----|-------------|----------------|--------------------|----------------------|--------------|---|--|
|    |                    |              |              | # of containers | HCl | HNO3 | None | Other | Water  | Soil | Air-Canister # | Other | BTEXN - 915        | TPH (C6-C36) | PAH | TMB's - 915 | Metals (915-1) | SAR, EC, pH, Boron |                      | TDS, Cl, SO4 |   |  |
| 1  | MW 1               | 8/16/24      |              | 4               | 3   |      | 1    |       | 7      |      |                |       |                    | X            |     |             |                | X                  |                      |              | X |  |
| 2  | MW 2               |              |              |                 |     |      |      |       |        |      |                |       |                    |              |     |             |                |                    |                      |              |   |  |
| 3  | MW 3               |              |              |                 |     |      |      |       |        |      |                |       |                    |              |     |             |                |                    |                      |              |   |  |
| 4  | MW 4               |              |              |                 |     |      |      |       |        |      |                |       |                    |              |     |             |                |                    |                      |              |   |  |
| 5  | MW 5               |              |              |                 |     |      |      |       |        |      |                |       |                    |              |     |             |                |                    |                      |              |   |  |
| 6  |                    |              |              |                 |     |      |      |       |        |      |                |       |                    |              |     |             |                |                    |                      |              |   |  |
| 7  |                    |              |              |                 |     |      |      |       |        |      |                |       |                    |              |     |             |                |                    |                      |              |   |  |
| 8  |                    |              |              |                 |     |      |      |       |        |      |                |       |                    |              |     |             |                |                    |                      |              |   |  |
| 9  |                    |              |              |                 |     |      |      |       |        |      |                |       |                    |              |     |             |                |                    |                      |              |   |  |
| 10 |                    |              |              |                 |     |      |      |       |        |      |                |       |                    |              |     |             |                |                    |                      |              |   |  |
| 11 |                    |              |              |                 |     |      |      |       |        |      |                |       |                    |              |     |             |                |                    |                      |              |   |  |
| 12 |                    |              |              |                 |     |      |      |       |        |      |                |       |                    |              |     |             |                |                    |                      |              |   |  |
| 13 |                    |              |              |                 |     |      |      |       |        |      |                |       |                    |              |     |             |                |                    |                      |              |   |  |
| 14 |                    |              |              |                 |     |      |      |       |        |      |                |       |                    |              |     |             |                |                    |                      |              |   |  |
| 15 |                    |              |              |                 |     |      |      |       |        |      |                |       |                    |              |     |             |                |                    |                      |              |   |  |

|                                       |                                 |   |                                |                   |               |        |
|---------------------------------------|---------------------------------|---|--------------------------------|-------------------|---------------|--------|
| Relinquished by: <u>Aaron Otilar</u>  | Date/Time: <u>8/16/24 1640</u>  | Received by: <u>Summit North Office</u> | Date/Time: <u>8/16/24 1640</u> | TAT Business Days | Field DO      | Notes: |
|                                       |                                 |   |                                | Same Day          | Field EC      |        |
| Relinquished by: <u>52</u>            | Date/Time: <u>8/16/24 1640</u>  | Received by: <u>[Signature]</u>         | Date/Time: <u>8/16/24 1640</u> | 1 Day             | Field ORP     |        |
|                                       |                                 |   |                                | 2 Days            | Field pH      |        |
| Relinquished by:                      | Date/Time:                      | Received by:                            | Date/Time:                     | 3 Days            | Field Temp.   |        |
|                                       |                                 |   |                                | Standard          | X Field Turb. |        |
| Temperature Upon Receipt: <u>11.1</u> | Corrected Temperature: <u>8</u> | IR gun #: <u>1</u>                      | HNO3 lot #:                    |                   |               |        |

S<sub>2</sub>

Sample Receipt Checklist

S2 Work Order# 2408178

Client: Fremont Client Project ID: Branch 1-3

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

Matrix (Check all that apply) Air  Soil/Solid  Water  Other

Temp (°C)

Thermometer #

|   | Yes                                 | No                                  | N/A                                 | Comments (if any) |
|---|-------------------------------------|-------------------------------------|-------------------------------------|-------------------|
| If samples require cooling, is the temperature < 6°C? <sup>(1)</sup><br>NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| If custody seals are present, are they intact? <sup>(1)</sup>   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| 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 checked="" type="checkbox"/> | <input type="checkbox"/>            | no sample times   |
| 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 checked="" type="checkbox"/> | <input 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 checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | HCl               |
| 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.

AR  
Custodian Printed Name

8/16/24  
Date/Time



Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Chevron - Branch 1-3

Project Number: C022-066  
 Project Manager: Paul Henchan

**Reported:**  
 08/22/24 10:52

**MW 1**  
**2408178-01 (Water)**

**Summit Scientific**

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

Date Sampled: **08/16/24 00:00**

| Analyte                | Result | Reporting |  | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
|                        |        | Limit     |  |       |          |         |          |          |           |       |
| Benzene                | ND     | 1.0       |  | ug/l  | 1        | BHH0511 | 08/19/24 | 08/20/24 | EPA 8260B |       |
| Toluene                | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene           | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total)        | ND     | 2.0       |  | "     | "        | "       | "        | "        | "         |       |
| Naphthalene            | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |
| 1,2,4-Trimethylbenzene | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |
| 1,3,5-Trimethylbenzene | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **08/16/24 00:00**

| Analyte                          | Result | Reporting |  | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
|                                  |        | Limit     |  |        |          |       |          |          |        |       |
| Surrogate: 1,2-Dichloroethane-d4 | 12.4   | 93.3 %    |  | 23-173 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            | 13.2   | 99.2 %    |  | 20-170 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  | 12.6   | 94.1 %    |  | 21-167 |          | "     | "        | "        | "      |       |

**Anions by EPA Method 300.0**

Date Sampled: **08/16/24 00:00**

| Analyte  | Result      | Reporting |  | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------|-------------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
|          |             | Limit     |  |       |          |         |          |          |           |       |
| Chloride | <b>1660</b> | 0.0600    |  | mg/L  | 50       | BHH0501 | 08/19/24 | 08/19/24 | EPA 300.0 |       |
| Sulfate  | <b>2040</b> | 0.300     |  | "     | "        | "       | "        | "        | "         |       |

**Total Dissolved Solids by SM2540C**

Date Sampled: **08/16/24 00:00**

| Analyte                       | Result      | Reporting |  | Units | Dilution | Batch   | Prepared | Analyzed | Method  | Notes |
|-------------------------------|-------------|-----------|--|-------|----------|---------|----------|----------|---------|-------|
|                               |             | Limit     |  |       |          |         |          |          |         |       |
| <b>Total Dissolved Solids</b> | <b>4780</b> | 10.0      |  | mg/L  | 1        | BHH0497 | 08/19/24 | 08/20/24 | SM2540C |       |

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - Branch 1-3

Project Number: C022-066  
Project Manager: Paul Henchan

**Reported:**  
08/22/24 10:52

**MW 2**  
**2408178-02 (Water)**

**Summit Scientific**

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

Date Sampled: **08/16/24 00:00**

| Analyte                | Result | Reporting |  | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
|                        |        | Limit     |  |       |          |         |          |          |           |       |
| Benzene                | ND     | 1.0       |  | ug/l  | 1        | BHH0511 | 08/19/24 | 08/20/24 | EPA 8260B |       |
| Toluene                | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene           | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total)        | ND     | 2.0       |  | "     | "        | "       | "        | "        | "         |       |
| Naphthalene            | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |
| 1,2,4-Trimethylbenzene | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |
| 1,3,5-Trimethylbenzene | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **08/16/24 00:00**

| Analyte                          | Result | Reporting |  | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
|                                  |        | Limit     |  |        |          |       |          |          |        |       |
| Surrogate: 1,2-Dichloroethane-d4 | 12.2   | 91.7 %    |  | 23-173 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            | 13.2   | 99.2 %    |  | 20-170 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  | 12.5   | 94.0 %    |  | 21-167 |          | "     | "        | "        | "      |       |

**Anions by EPA Method 300.0**

Date Sampled: **08/16/24 00:00**

| Analyte  | Result      | Reporting |  | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------|-------------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
|          |             | Limit     |  |       |          |         |          |          |           |       |
| Chloride | <b>1610</b> | 0.0600    |  | mg/L  | 50       | BHH0501 | 08/19/24 | 08/19/24 | EPA 300.0 |       |
| Sulfate  | <b>2050</b> | 0.300     |  | "     | "        | "       | "        | "        | "         |       |

**Total Dissolved Solids by SM2540C**

Date Sampled: **08/16/24 00:00**

| Analyte                       | Result      | Reporting |  | Units | Dilution | Batch   | Prepared | Analyzed | Method  | Notes |
|-------------------------------|-------------|-----------|--|-------|----------|---------|----------|----------|---------|-------|
|                               |             | Limit     |  |       |          |         |          |          |         |       |
| <b>Total Dissolved Solids</b> | <b>4770</b> | 10.0      |  | mg/L  | 1        | BHH0497 | 08/19/24 | 08/20/24 | SM2540C |       |

Summit Scientific

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Chevron - Branch 1-3

Project Number: C022-066  
 Project Manager: Paul Henchan

**Reported:**  
 08/22/24 10:52

**MW 3**  
**2408178-03 (Water)**

**Summit Scientific**

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

Date Sampled: **08/16/24 00:00**

| Analyte                | Result | Reporting |  | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
|                        |        | Limit     |  |       |          |         |          |          |           |       |
| Benzene                | ND     | 1.0       |  | ug/l  | 1        | BHH0511 | 08/19/24 | 08/20/24 | EPA 8260B |       |
| Toluene                | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene           | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total)        | ND     | 2.0       |  | "     | "        | "       | "        | "        | "         |       |
| Naphthalene            | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |
| 1,2,4-Trimethylbenzene | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |
| 1,3,5-Trimethylbenzene | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **08/16/24 00:00**

| Analyte                          | Result | Reporting |  | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
|                                  |        | Limit     |  |        |          |       |          |          |        |       |
| Surrogate: 1,2-Dichloroethane-d4 | 12.5   | 93.8 %    |  | 23-173 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            | 13.2   | 99.3 %    |  | 20-170 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  | 14.1   | 106 %     |  | 21-167 |          | "     | "        | "        | "      |       |

**Anions by EPA Method 300.0**

Date Sampled: **08/16/24 00:00**

| Analyte  | Result | Reporting |  | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
|          |        | Limit     |  |       |          |         |          |          |           |       |
| Chloride | 1600   | 0.0600    |  | mg/L  | 50       | BHH0501 | 08/19/24 | 08/19/24 | EPA 300.0 |       |
| Sulfate  | 2740   | 0.300     |  | "     | "        | "       | "        | "        | "         |       |

**Total Dissolved Solids by SM2540C**

Date Sampled: **08/16/24 00:00**

| Analyte                | Result | Reporting |  | Units | Dilution | Batch   | Prepared | Analyzed | Method  | Notes |
|------------------------|--------|-----------|--|-------|----------|---------|----------|----------|---------|-------|
|                        |        | Limit     |  |       |          |         |          |          |         |       |
| Total Dissolved Solids | 5570   | 10.0      |  | mg/L  | 1        | BHH0497 | 08/19/24 | 08/20/24 | SM2540C |       |

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - Branch 1-3  
Project Number: C022-066  
Project Manager: Paul Henchan

**Reported:**  
08/22/24 10:52

**MW 4**  
**2408178-04 (Water)**

**Summit Scientific**

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

Date Sampled: **08/16/24 00:00**

| Analyte                | Result | Reporting |  | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
|                        |        | Limit     |  |       |          |         |          |          |           |       |
| Benzene                | ND     | 1.0       |  | ug/l  | 1        | BHH0511 | 08/19/24 | 08/20/24 | EPA 8260B |       |
| Toluene                | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene           | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total)        | ND     | 2.0       |  | "     | "        | "       | "        | "        | "         |       |
| Naphthalene            | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |
| 1,2,4-Trimethylbenzene | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |
| 1,3,5-Trimethylbenzene | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **08/16/24 00:00**

| Analyte                          | Result | Reporting |  | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
|                                  |        | Limit     |  |        |          |       |          |          |        |       |
| Surrogate: 1,2-Dichloroethane-d4 | 12.0   | 90.3 %    |  | 23-173 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            | 13.0   | 97.7 %    |  | 20-170 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  | 12.5   | 93.8 %    |  | 21-167 |          | "     | "        | "        | "      |       |

**Anions by EPA Method 300.0**

Date Sampled: **08/16/24 00:00**

| Analyte  | Result      | Reporting |  | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------|-------------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
|          |             | Limit     |  |       |          |         |          |          |           |       |
| Chloride | <b>1410</b> | 0.0600    |  | mg/L  | 50       | BHH0501 | 08/19/24 | 08/19/24 | EPA 300.0 |       |
| Sulfate  | <b>2030</b> | 0.300     |  | "     | "        | "       | "        | "        | "         |       |

**Total Dissolved Solids by SM2540C**

Date Sampled: **08/16/24 00:00**

| Analyte                       | Result      | Reporting |  | Units | Dilution | Batch   | Prepared | Analyzed | Method  | Notes |
|-------------------------------|-------------|-----------|--|-------|----------|---------|----------|----------|---------|-------|
|                               |             | Limit     |  |       |          |         |          |          |         |       |
| <b>Total Dissolved Solids</b> | <b>4630</b> | 10.0      |  | mg/L  | 1        | BHH0497 | 08/19/24 | 08/20/24 | SM2540C |       |

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - Branch 1-3

Project Number: C022-066  
Project Manager: Paul Henchan

**Reported:**  
08/22/24 10:52

**MW 5**  
**2408178-05 (Water)**

**Summit Scientific**

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

Date Sampled: **08/16/24 00:00**

| Analyte                | Result | Reporting |  | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
|                        |        | Limit     |  |       |          |         |          |          |           |       |
| Benzene                | ND     | 1.0       |  | ug/l  | 1        | BHH0511 | 08/19/24 | 08/20/24 | EPA 8260B |       |
| Toluene                | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene           | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total)        | ND     | 2.0       |  | "     | "        | "       | "        | "        | "         |       |
| Naphthalene            | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |
| 1,2,4-Trimethylbenzene | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |
| 1,3,5-Trimethylbenzene | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **08/16/24 00:00**

| Analyte                          | Result | Reporting |  | Units  | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
|                                  |        | Limit     |  |        |          |       |          |          |        |       |
| Surrogate: 1,2-Dichloroethane-d4 | 12.9   | 96.8 %    |  | 23-173 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            | 13.3   | 100 %     |  | 20-170 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  | 12.7   | 95.0 %    |  | 21-167 |          | "     | "        | "        | "      |       |

**Anions by EPA Method 300.0**

Date Sampled: **08/16/24 00:00**

| Analyte  | Result | Reporting |  | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
|          |        | Limit     |  |       |          |         |          |          |           |       |
| Chloride | 1500   | 0.0600    |  | mg/L  | 50       | BHH0501 | 08/19/24 | 08/19/24 | EPA 300.0 |       |
| Sulfate  | 1450   | 0.300     |  | "     | "        | "       | "        | "        | "         |       |

**Total Dissolved Solids by SM2540C**

Date Sampled: **08/16/24 00:00**

| Analyte                | Result | Reporting |  | Units | Dilution | Batch   | Prepared | Analyzed | Method  | Notes |
|------------------------|--------|-----------|--|-------|----------|---------|----------|----------|---------|-------|
|                        |        | Limit     |  |       |          |         |          |          |         |       |
| Total Dissolved Solids | 4400   | 10.0      |  | mg/L  | 1        | BHH0497 | 08/19/24 | 08/20/24 | SM2540C |       |

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - Branch 1-3

Project Number: C022-066  
Project Manager: Paul Henchan

**Reported:**  
08/22/24 10:52

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

#### Summit Scientific

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

#### Batch BHH0511 - EPA 5030 Water MS

##### Blank (BHH0511-BLK1)

Prepared & Analyzed: 08/19/24

|   |      |     |      |      |  |      |  |        |  |  |  |
|---|------|-----|------|------|--|------|--|--------|--|--|--|
| Benzene                                 | ND   | 1.0 | ug/l |      |  |      |  |        |  |  |  |
| Toluene                                 | ND   | 1.0 | "    |      |  |      |  |        |  |  |  |
| Ethylbenzene                            | ND   | 1.0 | "    |      |  |      |  |        |  |  |  |
| Xylenes (total)                         | ND   | 2.0 | "    |      |  |      |  |        |  |  |  |
| Naphthalene                             | ND   | 1.0 | "    |      |  |      |  |        |  |  |  |
| 1,2,4-Trimethylbenzene                  | ND   | 1.0 | "    |      |  |      |  |        |  |  |  |
| 1,3,5-Trimethylbenzene                  | ND   | 1.0 | "    |      |  |      |  |        |  |  |  |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 12.9 |     | "    | 13.3 |  | 96.9 |  | 23-173 |  |  |  |
| <i>Surrogate: Toluene-d8</i>            | 13.0 |     | "    | 13.3 |  | 97.8 |  | 20-170 |  |  |  |
| <i>Surrogate: 4-Bromofluorobenzene</i>  | 12.9 |     | "    | 13.3 |  | 96.5 |  | 21-167 |  |  |  |

##### LCS (BHH0511-BS1)

Prepared & Analyzed: 08/19/24

|   |      |     |      |      |  |      |  |        |  |  |  |
|---|------|-----|------|------|--|------|--|--------|--|--|--|
| Benzene                                 | 38.1 | 1.0 | ug/l | 33.3 |  | 114  |  | 51-132 |  |  |  |
| Toluene                                 | 38.2 | 1.0 | "    | 33.3 |  | 115  |  | 51-138 |  |  |  |
| Ethylbenzene                            | 40.1 | 1.0 | "    | 33.3 |  | 120  |  | 58-146 |  |  |  |
| m,p-Xylene                              | 75.0 | 2.0 | "    | 66.7 |  | 112  |  | 57-144 |  |  |  |
| o-Xylene                                | 35.6 | 1.0 | "    | 33.3 |  | 107  |  | 53-146 |  |  |  |
| Naphthalene                             | 34.0 | 1.0 | "    | 33.3 |  | 102  |  | 70-130 |  |  |  |
| 1,2,4-Trimethylbenzene                  | 36.5 | 1.0 | "    | 33.3 |  | 110  |  | 70-130 |  |  |  |
| 1,3,5-Trimethylbenzene                  | 37.7 | 1.0 | "    | 33.3 |  | 113  |  | 70-130 |  |  |  |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 13.0 |     | "    | 13.3 |  | 97.5 |  | 23-173 |  |  |  |
| <i>Surrogate: Toluene-d8</i>            | 13.3 |     | "    | 13.3 |  | 100  |  | 20-170 |  |  |  |
| <i>Surrogate: 4-Bromofluorobenzene</i>  | 12.6 |     | "    | 13.3 |  | 94.3 |  | 21-167 |  |  |  |

##### Matrix Spike (BHH0511-MS1)

Source: 2408177-01

Prepared & Analyzed: 08/19/24

|   |      |     |      |      |    |      |  |        |  |  |  |
|---|------|-----|------|------|----|------|--|--------|--|--|--|
| Benzene                                 | 36.8 | 1.0 | ug/l | 33.3 | ND | 110  |  | 34-141 |  |  |  |
| Toluene                                 | 36.6 | 1.0 | "    | 33.3 | ND | 110  |  | 27-151 |  |  |  |
| Ethylbenzene                            | 39.6 | 1.0 | "    | 33.3 | ND | 119  |  | 29-160 |  |  |  |
| m,p-Xylene                              | 74.1 | 2.0 | "    | 66.7 | ND | 111  |  | 20-166 |  |  |  |
| o-Xylene                                | 35.5 | 1.0 | "    | 33.3 | ND | 106  |  | 33-159 |  |  |  |
| Naphthalene                             | 36.6 | 1.0 | "    | 33.3 | ND | 110  |  | 70-130 |  |  |  |
| 1,2,4-Trimethylbenzene                  | 36.6 | 1.0 | "    | 33.3 | ND | 110  |  | 70-130 |  |  |  |
| 1,3,5-Trimethylbenzene                  | 37.8 | 1.0 | "    | 33.3 | ND | 114  |  | 70-130 |  |  |  |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 13.2 |     | "    | 13.3 |    | 98.9 |  | 23-173 |  |  |  |
| <i>Surrogate: Toluene-d8</i>            | 13.4 |     | "    | 13.3 |    | 101  |  | 20-170 |  |  |  |
| <i>Surrogate: 4-Bromofluorobenzene</i>  | 12.3 |     | "    | 13.3 |    | 92.3 |  | 21-167 |  |  |  |

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Chevron - Branch 1-3

Project Number: C022-066  
 Project Manager: Paul Henchan

**Reported:**  
 08/22/24 10:52

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

**Summit Scientific**

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

**Batch BHH0511 - EPA 5030 Water MS**

| Matrix Spike Dup (BHH0511-MSD1)  | Source: 2408177-01 |     |      | Prepared & Analyzed: 08/19/24 |    |      |        |       |    |  |
|----------------------------------|--------------------|-----|------|-------------------------------|----|------|--------|-------|----|--|
| Benzene                          | 37.3               | 1.0 | ug/l | 33.3                          | ND | 112  | 34-141 | 1.32  | 30 |  |
| Toluene                          | 37.0               | 1.0 | "    | 33.3                          | ND | 111  | 27-151 | 0.897 | 30 |  |
| Ethylbenzene                     | 40.1               | 1.0 | "    | 33.3                          | ND | 120  | 29-160 | 1.38  | 30 |  |
| m,p-Xylene                       | 75.7               | 2.0 | "    | 66.7                          | ND | 113  | 20-166 | 2.10  | 30 |  |
| o-Xylene                         | 35.6               | 1.0 | "    | 33.3                          | ND | 107  | 33-159 | 0.422 | 30 |  |
| Naphthalene                      | 34.8               | 1.0 | "    | 33.3                          | ND | 104  | 70-130 | 5.16  | 30 |  |
| 1,2,4-Trimethylbenzene           | 37.1               | 1.0 | "    | 33.3                          | ND | 111  | 70-130 | 1.44  | 30 |  |
| 1,3,5-Trimethylbenzene           | 38.1               | 1.0 | "    | 33.3                          | ND | 114  | 70-130 | 0.763 | 30 |  |
| Surrogate: 1,2-Dichloroethane-d4 | 12.7               |     | "    | 13.3                          |    | 95.0 | 23-173 |       |    |  |
| Surrogate: Toluene-d8            | 13.5               |     | "    | 13.3                          |    | 101  | 20-170 |       |    |  |
| Surrogate: 4-Bromofluorobenzene  | 12.5               |     | "    | 13.3                          |    | 93.5 | 21-167 |       |    |  |

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Chevron - Branch 1-3

Project Number: C022-066  
 Project Manager: Paul Henchan

**Reported:**  
 08/22/24 10:52

**Anions by EPA Method 300.0 - Quality Control**  
**Summit Scientific**

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

**Batch BHH0501 - General Preparation**

**Blank (BHH0501-BLK1)**

Prepared & Analyzed: 08/19/24

|          |    |        |      |  |  |  |  |  |  |  |
|----------|----|--------|------|--|--|--|--|--|--|--|
| Chloride | ND | 0.0600 | mg/L |  |  |  |  |  |  |  |
| Sulfate  | ND | 0.300  | "    |  |  |  |  |  |  |  |

**LCS (BHH0501-BS1)**

Prepared & Analyzed: 08/19/24

|          |      |        |      |      |      |        |  |  |  |  |
|----------|------|--------|------|------|------|--------|--|--|--|--|
| Chloride | 2.93 | 0.0600 | mg/L | 3.00 | 97.6 | 90-110 |  |  |  |  |
| Sulfate  | 14.6 | 0.300  | "    | 15.0 | 97.2 | 90-110 |  |  |  |  |

**Duplicate (BHH0501-DUP1)**

Source: 2408160-01

Prepared & Analyzed: 08/19/24

|          |     |        |      |  |     |  |      |    |  |  |
|----------|-----|--------|------|--|-----|--|------|----|--|--|
| Chloride | 511 | 0.0600 | mg/L |  | 522 |  | 2.25 | 20 |  |  |
| Sulfate  | 715 | 0.300  | "    |  | 732 |  | 2.33 | 20 |  |  |

**Matrix Spike (BHH0501-MS1)**

Source: 2408160-01

Prepared & Analyzed: 08/19/24

|          |      |        |      |      |     |      |        |  |  |       |
|----------|------|--------|------|------|-----|------|--------|--|--|-------|
| Chloride | 658  | 0.0600 | mg/L | 600  | 522 | 22.6 | 80-120 |  |  | QM-05 |
| Sulfate  | 1430 | 0.300  | "    | 3000 | 732 | 23.3 | 80-120 |  |  | QM-05 |

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Chevron - Branch 1-3

Project Number: C022-066  
 Project Manager: Paul Henchan

**Reported:**  
 08/22/24 10:52

**Total Dissolved Solids by SM2540C - Quality Control**  
**Summit Scientific**

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

**Batch BHH0497 - General Preparation**

**Blank (BHH0497-BLK1)**

Prepared: 08/19/24 Analyzed: 08/20/24

Total Dissolved Solids      ND      10.0      mg/L

**Duplicate (BHH0497-DUP1)**

**Source: 2408144-01**

Prepared: 08/19/24 Analyzed: 08/20/24

Total Dissolved Solids      907      10.0      mg/L      901      0.608      20

Summit Scientific



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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - Branch 1-3  
Project Number: C022-066  
Project Manager: Paul Henchan

**Reported:**  
08/22/24 10:52

### Notes and Definitions

- QM-05     The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The associated LCS and/or LCSD were within acceptance limits, therefore the data are considered valid.
- DET        Analyte DETECTED
- ND        Analyte NOT DETECTED at or above the reporting limit
- NR        Not Reported
- dry        Sample results reported on a dry weight basis
- RPD        Relative Percent Difference