

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

October 30, 2024

Paul Henchan
Fremont Environmental
PO Box 1289
Wellington, CO 80549

RE: Noble - Volkens Coleman T4N-R64W-S23 L01

Work Order #2410286

Enclosed are the results of analyses for samples received by Summit Scientific on 10/17/24 09:57. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

Natalie Tessier For Paul Shrewsbury
President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Volkens Coleman T4N-R64W-S23 L01

Project Number: UWRWE-A2617-ABN
Project Manager: Paul Henchan

Reported:
10/30/24 09:00

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| MW-1 | 2410286-01 | Water | 10/16/24 00:00 | 10/17/24 09:57 |
| MW-2 | 2410286-02 | Water | 10/16/24 00:00 | 10/17/24 09:57 |
| MW-3 | 2410286-03 | Water | 10/16/24 00:00 | 10/17/24 09:57 |
| MW-4 | 2410286-04 | Water | 10/16/24 00:00 | 10/17/24 09:57 |
| MW-5 | 2410286-05 | Water | 10/16/24 00:00 | 10/17/24 09:57 |

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.

2410286

| | | | |
|--------------------------------|--|-----------------------------------|--|
| Send Data To: | | Send Invoice To: | |
| Client: Fremont Environmental | Project Manager: Henehan | Company: Chevron | |
| Address: 8305 6th St. | E-Mail: <u>Chevron Dist. List, PDC Dist List, Civitas Dist List, Fremont Dist List: paulH, mikeG,</u> | Project Name/Location: | |
| City/State/Zip: Wellington, CO | <u>nickt, ethanB, jeffG, christL, stanG, aaronO, joshB, jordanS, tammyA, Reports (@fremontenv.com)</u> | AFE#: | |
| Phone: 603-477-6907 | Project Name: Noble - Volkens Coleman T4N-R64W-S23 L01 | PO/Billing Codes: UWRWE-A2617-ABN | |
| Sampler Name: EB | Project Number: C023-266 | Contact: Dan Peterson | |

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | | Analysis Requested | | | | | | | Special Instructions | | | | |
|----|--------------------|--------------|--------------|-----------------|--------------|------|------|-------|--------|------|----------------|--------------------|-------------------------|-----------------------|-------------|--------------|------|--------------------|----------------------|--------------------|------------------------|--|--|
| | | | | | HCl | HNO3 | None | Other | Water | Soil | Air-Canister # | Other | Full Table 915-1 (Soil) | Full Table 915-1 (GW) | NBTEX, TMBs | TPH (C6-C36) | PAHs | SAR, EC, pH, Boron | | Table 915-1 Metals | TDS, Chloride, Sulfate | | |
| 1 | MW-1 | 10/16/2024 | | 4 | X | | X | | X | | | | | X | | | | | | | | | |
| 2 | MW-2 | 10/16/2024 | | 4 | X | | X | | X | | | | | X | | | | | | | | | |
| 3 | MW-3 | 10/16/2024 | | 4 | X | | X | | X | | | | | X | | | | | | | | | |
| 4 | MW-4 | 10/16/2024 | | 4 | X | | X | | X | | | | | X | | | | | | | | | |
| 5 | MW-5 | 10/16/2024 | | 4 | X | | X | | X | | | | | X | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | |
|----------------------------------|---------------------------------|---------------------------------|--------------------------|-------------------|-------------|--|
| Relinquished by: <i>ET/Black</i> | Date/Time: 10/17/24 0957 | Received by: <i>[Signature]</i> | Date/Time: 10/24/24 0957 | TAT Business Days | Field DO | Notes: Dist. Report to parties circled/highlighted in the email line(s) only. Samples labelled 'VC' |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Same Day | Field EC | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | 1 Day | Field ORP | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | 2 Days | Field pH | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | 3 Days | Field Temp. | |
| Temperature Upon Receipt: 49 | Corrected Temperature: <i>Q</i> | IR gun #: 1 | HNO3 lot #: | Standard | X | Field Turb. |

S₂

Sample Receipt Checklist

S2 Work Order# 2410286

Client: Fremont

Client Project ID: Norco-Volkens Cdemant T4N-R6HW-S23 L01

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? ⁽¹⁾ 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"/> | on 20e |
| If custody seals are present, are they intact? ⁽¹⁾ | <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? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe ²⁺), Hexavalent Chromium (Cr ⁶⁺ , 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? ⁽¹⁾ | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | No sample time S |
| Is the COC properly relinquished by the client w/ date and time recorded? ⁽¹⁾ | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Were all samples received intact? ⁽¹⁾ | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Was adequate sample volume provided? ⁽¹⁾ | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Does the COC agree with the number and type of sample bottles received? ⁽¹⁾ | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Do the sample IDs on the bottle labels match the COC? ⁽¹⁾ | <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)? ⁽¹⁾ Note the type of preservative in the comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | HCl |
| If samples are acid preserved for metals, is the pH ≤ 2? ⁽¹⁾ 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): | | | | |
| | | | | |
| | | | | |

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

J. V. V. V.

Custodian Printed Name

10/17/21 09:57

Date/Time



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Volkens Coleman T4N-R64W-S23 L01

Project Number: UWRWE-A2617-ABN
Project Manager: Paul Henchan

Reported:
10/30/24 09:00

MW-1
2410286-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/16/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|------------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | ND | 1.0 | | ug/l | 1 | BHJ0795 | 10/18/24 | 10/19/24 | EPA 8260B | |
| Toluene | ND | 1.0 | | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | | " | " | " | " | " | " | |
| Xylenes (total) | ND | 2.0 | | " | " | " | " | " | " | |
| Naphthalene | ND | 1.0 | | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | 1.3 | 1.0 | | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | " | " | " | " | " | " | |

Date Sampled: **10/16/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 13.8 | 104 % | | 23-173 | | " | " | " | " | |
| <i>Surrogate: Toluene-d8</i> | 12.9 | 96.5 % | | 20-170 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 13.2 | 98.7 % | | 21-167 | | " | " | " | " | |

Anions by EPA Method 300.0

Date Sampled: **10/16/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|------------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Chloride | 193 | 0.0600 | | mg/L | 50 | BHJ1102 | 10/25/24 | 10/26/24 | EPA 300.0 | |
| Sulfate | 356 | 0.300 | | " | " | " | " | " | " | |

Total Dissolved Solids by SM2540C

Date Sampled: **10/16/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|-------------|-----------|--|-------|----------|---------|----------|----------|---------|-------|
| | | Limit | | | | | | | | |
| Total Dissolved Solids | 1100 | 10.0 | | mg/L | 1 | BHJ0808 | 10/20/24 | 10/21/24 | SM2540C | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Volkens Coleman T4N-R64W-S23 L01

Project Number: UWRWE-A2617-ABN
Project Manager: Paul Henchan

Reported:
10/30/24 09:00

MW-2
2410286-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/16/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | ND | 1.0 | | ug/l | 1 | BHJ0795 | 10/18/24 | 10/19/24 | 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: **10/16/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 13.5 | 101 % | | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 12.9 | 97.0 % | | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 13.2 | 99.3 % | | 21-167 | | " | " | " | " | |

Anions by EPA Method 300.0

Date Sampled: **10/16/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Chloride | 264 | 0.0600 | | mg/L | 50 | BHJ1102 | 10/25/24 | 10/26/24 | EPA 300.0 | |
| Sulfate | 372 | 0.300 | | " | " | " | " | " | " | |

Total Dissolved Solids by SM2540C

Date Sampled: **10/16/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|-------|----------|---------|----------|----------|---------|-------|
| | | Limit | | | | | | | | |
| Total Dissolved Solids | 1050 | 10.0 | | mg/L | 1 | BHJ0808 | 10/20/24 | 10/21/24 | SM2540C | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Volkens Coleman T4N-R64W-S23 L01

Project Number: UWRWE-A2617-ABN
Project Manager: Paul Henchan

Reported:
10/30/24 09:00

MW-3
2410286-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/16/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | ND | 1.0 | | ug/l | 1 | BHJ0795 | 10/18/24 | 10/19/24 | 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: **10/16/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 13.0 | 97.8 % | | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 12.5 | 94.1 % | | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 13.2 | 99.4 % | | 21-167 | | " | " | " | " | |

Anions by EPA Method 300.0

Date Sampled: **10/16/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Chloride | 194 | 0.0600 | | mg/L | 50 | BHJ1102 | 10/25/24 | 10/26/24 | EPA 300.0 | |
| Sulfate | 379 | 0.300 | | " | " | " | " | " | " | |

Total Dissolved Solids by SM2540C

Date Sampled: **10/16/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|-------|----------|---------|----------|----------|---------|-------|
| | | Limit | | | | | | | | |
| Total Dissolved Solids | 1350 | 10.0 | | mg/L | 1 | BHJ0808 | 10/20/24 | 10/21/24 | SM2540C | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Volkens Coleman T4N-R64W-S23 L01

Project Number: UWRWE-A2617-ABN
Project Manager: Paul Henchan

Reported:
10/30/24 09:00

MW-4
2410286-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/16/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | ND | 1.0 | | ug/l | 1 | BHJ0795 | 10/18/24 | 10/19/24 | 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: **10/16/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 13.3 | 100 % | | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 13.1 | 98.1 % | | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 12.9 | 97.1 % | | 21-167 | | " | " | " | " | |

Anions by EPA Method 300.0

Date Sampled: **10/16/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|------------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Chloride | 239 | 0.0600 | | mg/L | 50 | BHJ1103 | 10/25/24 | 10/26/24 | EPA 300.0 | |
| Sulfate | 544 | 0.300 | | " | " | " | " | " | " | |

Total Dissolved Solids by SM2540C

Date Sampled: **10/16/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|-------------|-----------|--|-------|----------|---------|----------|----------|---------|-------|
| | | Limit | | | | | | | | |
| Total Dissolved Solids | 1350 | 10.0 | | mg/L | 1 | BHJ0808 | 10/20/24 | 10/21/24 | SM2540C | |

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Volkens Coleman T4N-R64W-S23 L01

Project Number: UWRWE-A2617-ABN
Project Manager: Paul Henchan

Reported:
10/30/24 09:00

MW-5
2410286-05 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/16/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | ND | 1.0 | | ug/l | 1 | BHJ0795 | 10/18/24 | 10/19/24 | 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: **10/16/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 13.4 | 101 % | | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 12.7 | 95.4 % | | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 13.7 | 103 % | | 21-167 | | " | " | " | " | |

Anions by EPA Method 300.0

Date Sampled: **10/16/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Chloride | 153 | 0.0600 | | mg/L | 50 | BHJ1103 | 10/25/24 | 10/26/24 | EPA 300.0 | |
| Sulfate | 333 | 0.300 | | " | " | " | " | " | " | |

Total Dissolved Solids by SM2540C

Date Sampled: **10/16/24 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|-------|----------|---------|----------|----------|---------|-------|
| | | Limit | | | | | | | | |
| Total Dissolved Solids | 1110 | 10.0 | | mg/L | 1 | BHJ0808 | 10/20/24 | 10/21/24 | SM2540C | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Volkens Coleman T4N-R64W-S23 L01

Project Number: UWRWE-A2617-ABN
Project Manager: Paul Henchan

Reported:
10/30/24 09:00

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BHJ0795 - EPA 5030 Water MS

Blank (BHJ0795-BLK1)

Prepared: 10/18/24 Analyzed: 10/19/24

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|--|------|--------|--|--|--|
| 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 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 10.9 | | " | 13.3 | | 82.1 | 23-173 | | | |
| Surrogate: Toluene-d8 | 12.5 | | " | 13.3 | | 94.1 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 13.0 | | " | 13.3 | | 97.7 | 21-167 | | | |

LCS (BHJ0795-BS1)

Prepared: 10/18/24 Analyzed: 10/19/24

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|------|--------|--|--|--|--|
| Benzene | 37.9 | 1.0 | ug/l | 33.3 | 114 | 51-132 | | | | |
| Toluene | 36.7 | 1.0 | " | 33.3 | 110 | 51-138 | | | | |
| Ethylbenzene | 35.5 | 1.0 | " | 33.3 | 107 | 58-146 | | | | |
| m,p-Xylene | 70.2 | 2.0 | " | 66.7 | 105 | 57-144 | | | | |
| o-Xylene | 32.2 | 1.0 | " | 33.3 | 96.6 | 53-146 | | | | |
| Naphthalene | 29.8 | 1.0 | " | 33.3 | 89.4 | 70-130 | | | | |
| 1,2,4-Trimethylbenzene | 34.8 | 1.0 | " | 33.3 | 104 | 70-130 | | | | |
| 1,3,5-Trimethylbenzene | 35.4 | 1.0 | " | 33.3 | 106 | 70-130 | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 13.2 | | " | 13.3 | 99.0 | 23-173 | | | | |
| Surrogate: Toluene-d8 | 13.9 | | " | 13.3 | 104 | 20-170 | | | | |
| Surrogate: 4-Bromofluorobenzene | 12.6 | | " | 13.3 | 94.5 | 21-167 | | | | |

LCS Dup (BHJ0795-BSD1)

Prepared: 10/18/24 Analyzed: 10/19/24

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|------|--------|-------|----|--|--|
| Benzene | 37.7 | 1.0 | ug/l | 33.3 | 113 | 51-132 | 0.582 | 20 | | |
| Toluene | 36.8 | 1.0 | " | 33.3 | 110 | 51-138 | 0.163 | 20 | | |
| Ethylbenzene | 36.2 | 1.0 | " | 33.3 | 109 | 58-146 | 1.92 | 20 | | |
| m,p-Xylene | 72.0 | 2.0 | " | 66.7 | 108 | 57-144 | 2.41 | 20 | | |
| o-Xylene | 33.5 | 1.0 | " | 33.3 | 101 | 53-146 | 4.05 | 20 | | |
| Naphthalene | 31.5 | 1.0 | " | 33.3 | 94.5 | 70-130 | 5.51 | 20 | | |
| 1,2,4-Trimethylbenzene | 36.0 | 1.0 | " | 33.3 | 108 | 70-130 | 3.31 | 20 | | |
| 1,3,5-Trimethylbenzene | 36.1 | 1.0 | " | 33.3 | 108 | 70-130 | 2.04 | 20 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 13.0 | | " | 13.3 | 97.3 | 23-173 | | | | |
| Surrogate: Toluene-d8 | 13.6 | | " | 13.3 | 102 | 20-170 | | | | |
| Surrogate: 4-Bromofluorobenzene | 12.6 | | " | 13.3 | 94.2 | 21-167 | | | | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Volkens Coleman T4N-R64W-S23 L01

Project Number: UWRWE-A2617-ABN
Project Manager: Paul Henchan

Reported:
10/30/24 09:00

Anions by EPA Method 300.0 - Quality Control

Summit Scientific

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

Batch BHJ1102 - General Preparation

Blank (BHJ1102-BLK1)

Prepared: 10/25/24 Analyzed: 10/26/24

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

LCS (BHJ1102-BS1)

Prepared: 10/25/24 Analyzed: 10/26/24

| | | | | | | | |
|----------|------|--------|------|------|--|------|--------|
| Chloride | 2.96 | 0.0600 | mg/L | 3.00 | | 98.7 | 90-110 |
| Sulfate | 14.7 | 0.300 | " | 15.0 | | 98.1 | 90-110 |

Duplicate (BHJ1102-DUP1)

Source: 2410278-04

Prepared: 10/25/24 Analyzed: 10/26/24

| | | | | | | | | |
|----------|------|--------|------|--|------|--|-------|----|
| Chloride | 495 | 0.0600 | mg/L | | 495 | | 0.127 | 20 |
| Sulfate | 1110 | 0.300 | " | | 1110 | | 0.144 | 20 |

Matrix Spike (BHJ1102-MS1)

Source: 2410278-04

Prepared: 10/25/24 Analyzed: 10/26/24

| | | | | | | | |
|----------|------|--------|------|-----|------|------|--------|
| Chloride | 633 | 0.0600 | mg/L | 150 | 495 | 92.1 | 80-120 |
| Sulfate | 1880 | 0.300 | " | 750 | 1110 | 103 | 80-120 |

Batch BHJ1103 - General Preparation

Blank (BHJ1103-BLK1)

Prepared: 10/25/24 Analyzed: 10/26/24

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

LCS (BHJ1103-BS1)

Prepared: 10/25/24 Analyzed: 10/26/24

| | | | | | | | |
|----------|------|--------|------|------|--|------|--------|
| Chloride | 2.98 | 0.0600 | mg/L | 3.00 | | 99.3 | 90-110 |
| Sulfate | 14.9 | 0.300 | " | 15.0 | | 99.0 | 90-110 |

Duplicate (BHJ1103-DUP1)

Source: 2410286-04

Prepared: 10/25/24 Analyzed: 10/26/24

| | | | | | | | | |
|----------|-----|--------|------|--|-----|--|-------|----|
| Chloride | 239 | 0.0600 | mg/L | | 239 | | 0.201 | 20 |
| Sulfate | 546 | 0.300 | " | | 544 | | 0.383 | 20 |

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Volkens Coleman T4N-R64W-S23 L01

Project Number: UWRWE-A2617-ABN
 Project Manager: Paul Henchan

Reported:
 10/30/24 09:00

Anions by EPA Method 300.0 - Quality Control

Summit Scientific

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

Batch BHJ1103 - General Preparation

Matrix Spike (BHJ1103-MS1)

Source: 2410286-04

Prepared: 10/25/24 Analyzed: 10/26/24

| | | | | | | | |
|----------|------|--------|------|-----|-----|------|--------|
| Chloride | 379 | 0.0600 | mg/L | 150 | 239 | 93.3 | 80-120 |
| Sulfate | 1240 | 0.300 | " | 750 | 544 | 92.9 | 80-120 |

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Volkens Coleman T4N-R64W-S23 L01

Project Number: UWRWE-A2617-ABN
 Project Manager: Paul Henchan

Reported:
 10/30/24 09:00

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 BHJ0808 - General Preparation

Blank (BHJ0808-BLK1)

Prepared: 10/20/24 Analyzed: 10/21/24

Total Dissolved Solids ND 10.0 mg/L

Duplicate (BHJ0808-DUP1)

Source: 2410274-09

Prepared: 10/20/24 Analyzed: 10/21/24

Total Dissolved Solids 3990 10.0 mg/L 3930 1.52 20

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Volkens Coleman T4N-R64W-S23 L01

Project Number: UWRWE-A2617-ABN
Project Manager: Paul Henchan

Reported:
10/30/24 09:00

Notes and Definitions

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