

FREMONT ENVIRONMENTAL INC.

January 18, 2023

Mr. Jacob Evans
Civitas Resources Inc.
650 Southgate Drive
Windsor, CO 80550

Subject: **Pit Closure Data Submittal**
 Miller 1 Tank Battery
 CNE Sec. 17, T2N, R67W
 Weld County, Colorado
 Fremont No. C022-146
 Facility #108960, Remediation #25328

Dear Mr. Evans:

As you requested, Fremont Environmental Inc. (Fremont) personnel conducted a site investigation for the former Miller 1 Tank Battery pit. Attached are the results of the pit investigation. Impacts exceeding the COGCC Table 915-1 standards were not observed. Groundwater was not encountered.

Please contact me at (303) 956-8714 if you require any additional information. Fremont appreciates the opportunity to provide this service.

Sincerely,

FREMONT ENVIRONMENTAL INC.



Paul V. Henehan, P.E.
Senior Consultant

Attachments:

Tables
Figures
Boring Log
Laboratory Report

TABLE 1
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
CIVITAS RESOURCES, INC.
MILLER 1 TANK BATTERY, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C022-146

| Sample ID | Sample Date | Depth (ft) | Benzene (mg/kg) | Toluene (mg/kg) | Ethyl-Benzene (mg/kg) | Xylenes (mg/kg) | 1,2,4- Trimethyl- Benzene (mg/kg) | 1,3,5- Trimethyl- Benzene (mg/kg) | Naphthalene (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH ORO (mg/kg) |
|--|-------------|------------|--------------------|--------------------|--------------------------|--------------------|--|--|------------------------|--------------------|--------------------|--------------------|
| COGCC Table 915-1 Limits (Residential SSL) | | | 1.2 | 490 | 5.8 | 58 | 30 | 27 | 2 | 500 | | |
| COGCC Table 915-1 Limits (Protection of Groundwater SSL) | | | 0.0026 | 0.69 | 0.78 | 9.9 | 0.0081 | 0.0087 | 0.0038 | 500 | | |
| SS01@8.0' | 10/27/2022 | 8 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <0.50 | <50 | <50 |

Bold faced values exceed the COGCC Table 915-1 concentrations

Red & blue highlighted 915-1 Limits indicate the referenced soil screening level (SSL)

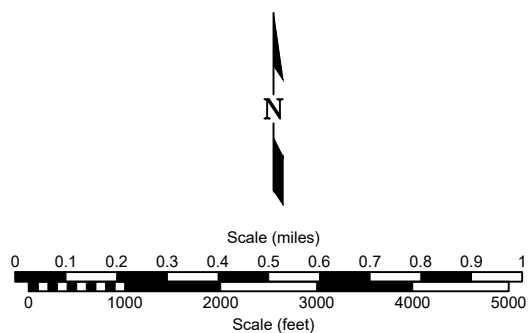
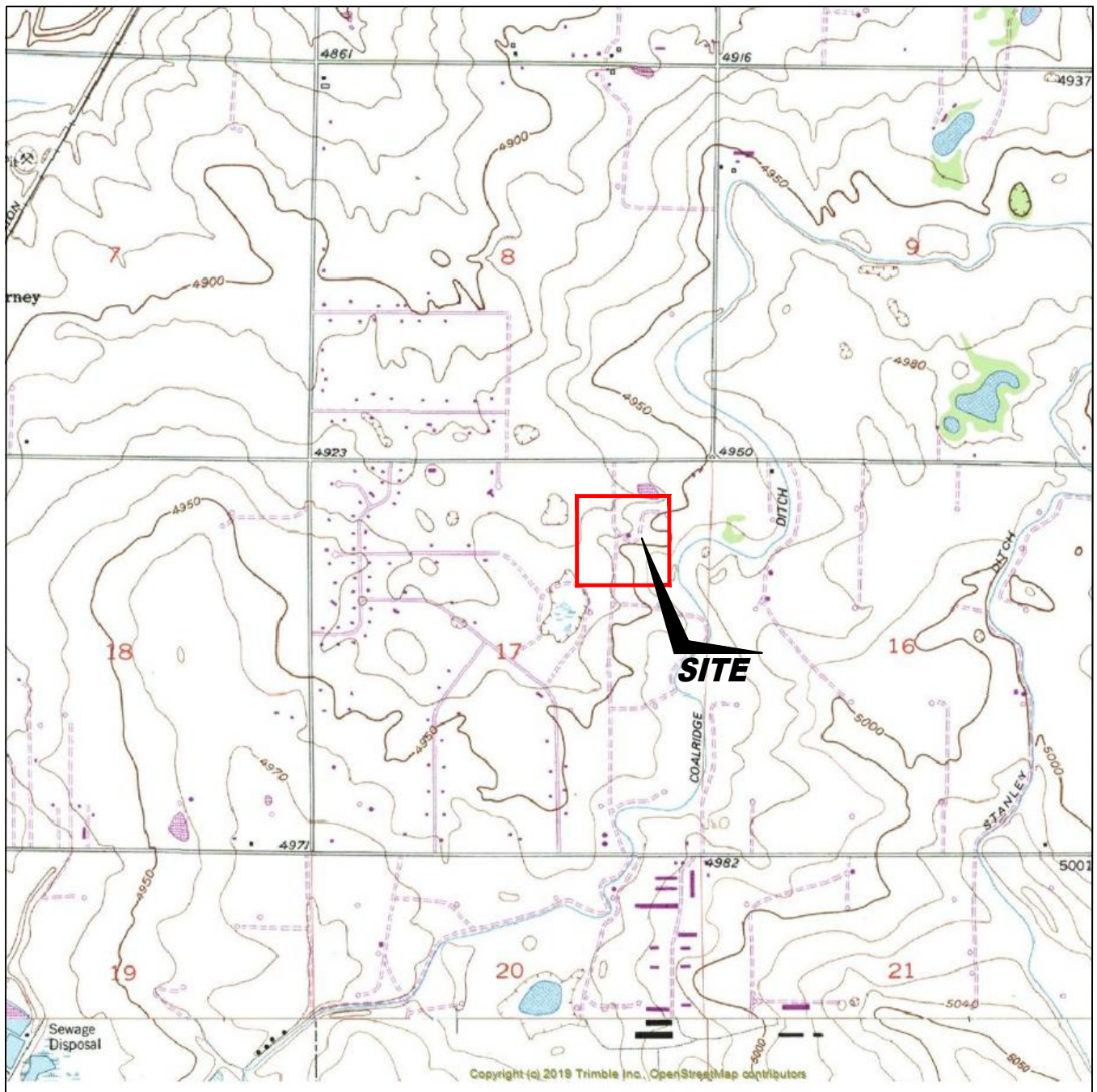
* Summation of GRO+DRO+ORO must be less than 500 mg/kg

TABLE 2
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
CIVITAS RESOURCES, INC.
MILLER 1 TANK BATTERY, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C022-146

| Sample ID | Sample Date | Depth (ft) | pH | EC (mmhos/cm) | SAR | Boron (mg/L) |
|---|-------------|------------|---------|------------------|-------|--------------|
| COGCC Table 915-1 Soil Suitability Limits | | | 6 - 8.3 | <4 | <6 | 2 |
| SS01@8.0' | 10/27/2022 | 8.0' | 8.01 | 0.302 | 0.893 | NA |

Bold faced values exceed the COGCC Table 915-1 concentrations

Yellow highlighted 915-1 Limits indicate the referenced soil screening level (SSL)



USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)

Figure 1
SITE LOCATION MAP

CIVITAS RESOURCES ~ MILER 1 BATTERY
CNE Sec. 17, T2N, R67W, 6th PM
Weld County, Colorado
40.122586°, -104.908436°

| | | |
|------------------------------|-------------------------------|-----------------------------|
| Project # C022-146 | API # | Facility # 108960 |
| Date 1/12/2023 | Remediation # 25328 | Filename 22146T |





LEGEND




Figure 2
SITE MAP

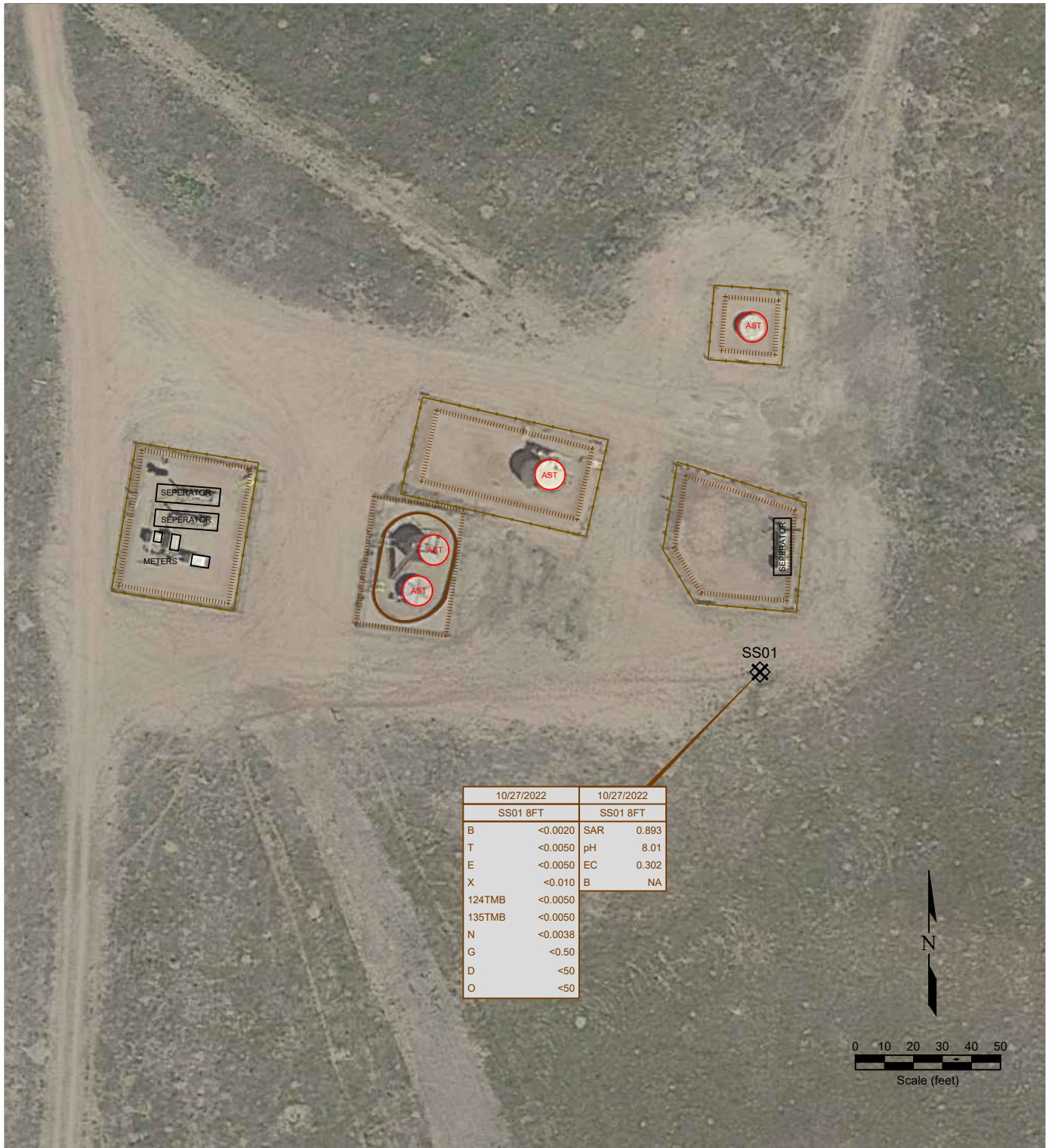
CIVITAS RESOURCES ~ MILLER 1 BATTERY

CNE Sec. 17, T2N, R67W, 6th PM

Weld County, Colorado

40.122586°, -104.908436°

| | | | |
|--------------------------------|-------------------------------|-----------------------------|---|
| Project No. C022-146 | API # | Facility # 108960 |  |
| Date 1/12/2023 | Remediation # 25328 | Filename 22146Q | |



LEGEND



| 11/02/2022 | DATE SAMPLED |
|--------------|--|
| SB-NE (0.5') | SAMPLE ID and DEPTH (ft) |
| B | <0.0020 BENZENE (mg/kg) |
| T | <0.0050 TOLUENE (mg/kg) |
| E | <0.0050 ETHYLBENZENE (mg/kg) |
| X | <0.010 TOTAL XYLENES (mg/kg) |
| 1,2,4-TB | <0.0050 1,2,4-TRIMETHYLBENZENE (mg/kg) |
| 1,3,5-TB | <0.0050 1,3,5-TRIMETHYLBENZENE (mg/kg) |
| N | <0.0038 NAPHTHALENE (mg/kg) |
| G | <0.50 TPH-GRO (mg/kg) |
| D | <50 TPH-DRO (mg/kg) |
| O | <50 TPH-ORO (mg/kg) |





| 11/02/2022 | DATE SAMPLED |
|--------------|------------------------|
| SB-NE (0.5') | SAMPLE ID & DEPTH (ft) |
| SAR | 3.58 SAR (units) |
| pH | 8.01 pH (pH units) |
| EC | 1.01 EC (mmhos/cm) |
| B | 0.085 BORON (mg/L) |


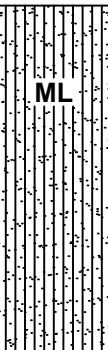

Figure 3
SOIL CHEMISTRY MAP

CIVITAS RESOURCES ~ MILLER 1 BATTERY
CNE Sec. 17, T2N, R67W, 6th PM
Weld County, Colorado
40.122586°, -104.908436°

| | | | |
|--------------------------------|-------------------------------|-----------------------------|--|
| Project No. C022-146 | API # | Facility # 108960 | |
| Date 1/12/2023 | Remediation # 25328 | Filename 22146Q | |



| | | | | | | | | | |
|--|--|---------------------------|--|---|--|---------------------------------------|--|---|--|
| Boring/Well No. SS-1 | | Total Depth 16' | | Location Civitas Resources Miller 1 Tank Battery CNE Sec. 17, T2N, R67W, 6th PM Weld County, Colorado | | | |    | |
| Project No./Name C022-146 Civitas Miller 1 Tank Battery | | | | Approved By | | | |  | |
| Drilling Contractor/Driller DrillPro | | | | | | | | | |
| Geologist/Office Jeff Griggs / Fremont Environmental, Inc. | | | | | | | | | |
| Drilling Equipment/Method Direct push | | | | Size/Type of Bit 2.5" direct push | | Sampling Method direct push | | Start/Finish Date 10/27/2022 | |
| Well Installed? | | Casing Mtrl./Dia. | | Screen: | | | | | |
| Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | . | | Type . | | Mtrl. . | | Length . | |
| | | | | | | Dia. ." | | Slot Size . | |
| Elevation of: | | Ground Surface | | Top of Well Casing | | Top of Screen | | Bottom of Screen | |
| (ft. above datum) | | . | | . | | . | | . | |
| | | | | | | | | | |

| DEPTH (feet) | WELL CONSTRUCTION | | | | LITHOLOGY | | Penetration Rate (blows/6") | Recovery (%) | Sample Interval (feet) | PID Values (ppm) |
|-----------------|----------------------|--|--|--|--|--|-----------------------------------|-----------------|------------------------------|------------------------|
| | | | | | GRAPHIC LOG | VISUAL DESCRIPTION | | | | |
| 5 | | | | | No Recovery | No recovery from surface to 2' | | 80% | | No Recovery |
| | | | | |  SP | Sand: light brown, fine to medium | | | | 0.0 |
| | | | | | No Recovery | No recovery from 4' to 6' | | | | 0.0 |
| | | | | | | | | | | 0.0 |
| | | | | | | | | | | 0.0 |
| 10 | | | | |  ML | Sandy Silt: damp, slight plasticity | | 47% | | 0.0 |
| | | | | | | | | | | 0.0 |
| | | | | | | | | | | 0.0 |
| | | | | | | | | | | 0.0 |
| | | | | | | | | | | 0.0 |
| 15 | | | | | No Recovery | No recovery from 12' to 14' | | 95% | | No Recovery |
| | | | | |  ML | Sandy Silt: gray to brown, compact, fine | | | | 0.0 |
| | | | | | | | | | | 0.0 |
| | | | | | | | | | | 0.0 |
| | | | | | | | | | | 0.0 |
| 20 | | | | | | TD 16' Refusal at 16' | | 50% | | 0.0 |

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

November 07, 2022

Paul Henchan

Civitas Resources

650 Southgate Drive

Windsor, CO 80550

RE: Miller 1 Battery

Work Order #2210527

Enclosed are the results of analyses for samples received by Summit Scientific on 10/27/22 15:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Mikayla Axtell For Paul Shrewsbury

President



Civitas Resources
650 Southgate Drive
Windsor CO, 80550

Project: Miller 1 Battery

Project Number: [none]

Project Manager: Paul Henchan

Reported:
11/07/22 09:09

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| SS01@8.0' | 2210527-01 | Soil | 10/27/22 00:00 | 10/27/22 15:35 |

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

2210527

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310

Page 1 of 1

Client: Fremont Env

Project Manager: Paul Henehan

Address:

E-Mail: Paulh@fremontenv.com jeffg@fremontenv.com

City/State/Zip:

Ethanb@fremontenv.com

Phone:

Project Name: Miller 1 Battery

Sampler Name: JG

Project Number:

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | | | Analysis Requested | | | | | | | | Special Instructions | | |
|----|--------------------|--------------|--------------|-----------------|--------------|------|------|-------|--------|------|----------------|-------|--------------------|------------|--------------|-------------|---|--|--|--|----------------------|--|--|
| | | | | | HCl | HNO3 | None | Other | Water | Soil | Air-Canister # | Other | BTEX+N | TMBs (915) | GRO, PRO,ORO | EC, SAR, PH | | | | | | | |
| 1 | SS01 @ 8.0' | 10/27/22 | | 2 | | | X | | | X | | | | X | X | X | X | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | |
|---------------------------------------|--------------------------------------|---------------------------------|----------------------------------|---|---|
| Relinquished by: <u>[Signature]</u> | Date/Time: <u>10/27/22 1535</u> | Received by: <u>[Signature]</u> | Date/Time: <u>10/27/22 1535</u> | Turn Around Time (Check) Same Day <input type="checkbox"/> 72 hours <input type="checkbox"/> 24 hours <input type="checkbox"/> 48 hours <input checked="" type="checkbox"/> Standard | Notes: <u>Client 8 Civitas</u> <u>Bill to Jacob</u> |
| Relinquished by: <u>[Signature]</u> | Date/Time: <u>10/27/22 1535</u> | Received by: <u>[Signature]</u> | Date/Time: <u>10/27/22 1535</u> | Sample Integrity: Samples Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Temperature Upon Receipt: <u>14.8</u> | Corrected Temperature: <u> </u> | HNO3 lot #: <u> </u> | IR gun correction: <u> </u> | IR gun #: <u> </u> | |



Sample Receipt Checklist

S2 Work Order# 2210527

Client: Fremont Client Project ID: Miller 1 BatteryShipped Via: H.D./P.U./FedEx/UPS/USPS/Other Airbill #: _____

| | | | | |
|----------|--|--|--|--|
| <u>✓</u> | | | | |
|----------|--|--|--|--|

Matrix (Check all that apply) Air ☐ Soil/Solid ☒ Water ☐ Other ☐Temp (°C) 14.8 Thermometer # 2

| | 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"/> | |
| If custody seals are present, are they intact? ⁽¹⁾ | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Are samples due within 48 hours present? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" 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 type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Is a chain-of-custody (COC) form present and filled out Completely? ⁽¹⁾ | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 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 type="checkbox"/> | <input checked="" 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 type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 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.IAT
Custodian Printed Name10.27.22
Date/Time



Civitas Resources
650 Southgate Drive
Windsor CO, 80550

Project: Miller 1 Battery
Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/07/22 09:09

SS01@8.0'
2210527-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/27/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BFK0053 | 11/02/22 | 11/02/22 | 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: **10/27/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 66.7 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 110 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 100 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **10/27/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFK0054 | " | 11/03/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **10/27/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 56.9 % | 30-150 | | " | " | " | " | |

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

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.



Civitas Resources
650 Southgate Drive
Windsor CO, 80550

Project: Miller 1 Battery
Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/07/22 09:09

SS01@8.0'
2210527-01 (Soil)

Summit Scientific

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

Date Sampled: **10/27/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 23.8 | 0.0573 | mg/L dry | 1 | BFJ0819 | 10/28/22 | 10/31/22 | EPA 6020B | |
| Magnesium | 12.2 | 0.0573 | " | " | " | " | " | " | |
| Sodium | 21.5 | 0.0573 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **10/27/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.893 | 0.00100 | units | 1 | BFK0013 | 11/01/22 | 11/01/22 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/27/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 87.3 | | % | 1 | BFJ0796 | 10/28/22 | 10/28/22 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/27/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.302 | 0.0100 | mmhos/cm | 1 | BFJ0828 | 10/28/22 | 10/31/22 | EPA 120.1 | |

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

Date Sampled: **10/27/22 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.01 | | pH Units | 1 | BFJ0829 | 10/28/22 | 10/31/22 | EPA 9045D | |

Summit Scientific

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Civitas Resources
650 Southgate Drive
Windsor CO, 80550

Project: Miller 1 Battery
Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/07/22 09:09

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 BFK0053 - EPA 5030 Soil MS

Blank (BFK0053-BLK1)

Prepared & Analyzed: 11/02/22

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| 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 | 0.0349 | | " | 0.0400 | | 87.3 | 50-150 | | | |
| Surrogate: Toluene-d8 | 0.0445 | | " | 0.0400 | | 111 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0415 | | " | 0.0400 | | 104 | 50-150 | | | |

LCS (BFK0053-BS1)

Prepared & Analyzed: 11/02/22

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Benzene | 0.0721 | 0.0020 | mg/kg | 0.100 | | 72.1 | 70-130 | | | |
| Toluene | 0.0707 | 0.0050 | " | 0.100 | | 70.7 | 70-130 | | | |
| Ethylbenzene | 0.0728 | 0.0050 | " | 0.100 | | 72.8 | 70-130 | | | |
| m,p-Xylene | 0.147 | 0.010 | " | 0.200 | | 73.5 | 70-130 | | | |
| o-Xylene | 0.0760 | 0.0050 | " | 0.100 | | 76.0 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.0822 | 0.0050 | " | 0.100 | | 82.2 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0824 | 0.0050 | " | 0.100 | | 82.4 | 70-130 | | | |
| Naphthalene | 0.112 | 0.0038 | " | 0.100 | | 112 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0342 | | " | 0.0400 | | 85.4 | 50-150 | | | |
| Surrogate: Toluene-d8 | 0.0445 | | " | 0.0400 | | 111 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0413 | | " | 0.0400 | | 103 | 50-150 | | | |

Matrix Spike (BFK0053-MS1)

Source: 2210530-01

Prepared & Analyzed: 11/02/22

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|----|------|--------|--|--|--|
| Benzene | 0.0711 | 0.0020 | mg/kg | 0.100 | ND | 71.1 | 70-130 | | | |
| Toluene | 0.0733 | 0.0050 | " | 0.100 | ND | 73.3 | 70-130 | | | |
| Ethylbenzene | 0.0736 | 0.0050 | " | 0.100 | ND | 73.6 | 70-130 | | | |
| m,p-Xylene | 0.170 | 0.010 | " | 0.200 | ND | 84.8 | 70-130 | | | |
| o-Xylene | 0.0751 | 0.0050 | " | 0.100 | ND | 75.1 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.105 | 0.0050 | " | 0.100 | ND | 105 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.100 | 0.0050 | " | 0.100 | ND | 100 | 70-130 | | | |
| Naphthalene | 0.116 | 0.0038 | " | 0.100 | ND | 116 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0344 | | " | 0.0400 | | 86.1 | 50-150 | | | |
| Surrogate: Toluene-d8 | 0.0417 | | " | 0.0400 | | 104 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0424 | | " | 0.0400 | | 106 | 50-150 | | | |

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.



Civitas Resources
650 Southgate Drive
Windsor CO, 80550

Project: Miller 1 Battery
Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/07/22 09:09

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 BFK0053 - EPA 5030 Soil MS

| Matrix Spike Dup (BFK0053-MSD1) | | Source: 2210530-01 | | | Prepared & Analyzed: 11/02/22 | | | | | |
|----------------------------------|--------|--------------------|-------|--------|-------------------------------|------|--------|-------|----|--|
| Benzene | 0.0736 | 0.0020 | mg/kg | 0.100 | ND | 73.6 | 70-130 | 3.48 | 30 | |
| Toluene | 0.0781 | 0.0050 | " | 0.100 | ND | 78.1 | 70-130 | 6.30 | 30 | |
| Ethylbenzene | 0.0759 | 0.0050 | " | 0.100 | ND | 75.9 | 70-130 | 3.05 | 30 | |
| m,p-Xylene | 0.185 | 0.010 | " | 0.200 | ND | 92.5 | 70-130 | 8.65 | 30 | |
| o-Xylene | 0.0745 | 0.0050 | " | 0.100 | ND | 74.5 | 70-130 | 0.762 | 30 | |
| 1,2,4-Trimethylbenzene | 0.101 | 0.0050 | " | 0.100 | ND | 101 | 70-130 | 4.26 | 30 | |
| 1,3,5-Trimethylbenzene | 0.108 | 0.0050 | " | 0.100 | ND | 108 | 70-130 | 7.83 | 30 | |
| Naphthalene | 0.106 | 0.0038 | " | 0.100 | ND | 106 | 70-130 | 9.08 | 30 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 0.0378 | " | 0.0400 | | 94.4 | 50-150 | | | |
| Surrogate: Toluene-d8 | | 0.0442 | " | 0.0400 | | 111 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | | 0.0437 | " | 0.0400 | | 109 | 50-150 | | | |

Summit Scientific

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Civitas Resources
650 Southgate Drive
Windsor CO, 80550

Project: Miller 1 Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/07/22 09:09

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 BFK0054 - EPA 3550A

Blank (BFK0054-BLK1)

Prepared & Analyzed: 11/02/22

| | | | | | | | | | | |
|------------------------|------|----|-------|------|--|-----|--------|--|--|--|
| C10-C28 (DRO) | ND | 50 | mg/kg | | | | | | | |
| C28-C36 (ORO) | ND | 50 | " | | | | | | | |
| Surrogate: o-Terphenyl | 13.4 | | " | 12.5 | | 108 | 30-150 | | | |

LCS (BFK0054-BS1)

Prepared & Analyzed: 11/02/22

| | | | | | | | | | | |
|------------------------|------|----|-------|------|--|------|--------|--|--|--|
| C10-C28 (DRO) | 457 | 50 | mg/kg | 500 | | 91.5 | 70-130 | | | |
| Surrogate: o-Terphenyl | 12.4 | | " | 12.5 | | 99.0 | 30-150 | | | |

Matrix Spike (BFK0054-MS1)

Source: 2210516-01

Prepared & Analyzed: 11/02/22

| | | | | | | | | | | |
|------------------------|------|----|-------|------|------|------|--------|--|--|--|
| C10-C28 (DRO) | 483 | 50 | mg/kg | 500 | 44.4 | 87.7 | 70-130 | | | |
| Surrogate: o-Terphenyl | 13.0 | | " | 12.5 | | 104 | 30-150 | | | |

Matrix Spike Dup (BFK0054-MSD1)

Source: 2210516-01

Prepared & Analyzed: 11/02/22

| | | | | | | | | | | |
|------------------------|------|----|-------|------|------|------|--------|------|----|--|
| C10-C28 (DRO) | 429 | 50 | mg/kg | 500 | 44.4 | 76.9 | 70-130 | 11.9 | 20 | |
| Surrogate: o-Terphenyl | 12.3 | | " | 12.5 | | 98.7 | 30-150 | | | |

Summit Scientific

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Civitas Resources
650 Southgate Drive
Windsor CO, 80550

Project: Miller 1 Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/07/22 09:09

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 BFJ0819 - General Preparation

Blank (BFJ0819-BLK1)

Prepared: 10/28/22 Analyzed: 10/31/22

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

LCS (BFJ0819-BS1)

Prepared: 10/28/22 Analyzed: 10/31/22

| | | | | | | |
|-----------|------|--------|----------|------|------|--------|
| Calcium | 4.09 | 0.0500 | mg/L wet | 5.00 | 81.8 | 70-130 |
| Magnesium | 5.40 | 0.0500 | " | 5.00 | 108 | 70-130 |
| Sodium | 6.03 | 0.0500 | " | 5.00 | 121 | 70-130 |

Summit Scientific

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Civitas Resources
650 Southgate Drive
Windsor CO, 80550

Project: Miller 1 Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/07/22 09:09

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

Summit Scientific

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

Batch BFJ0796 - General Preparation

Duplicate (BFJ0796-DUP1)

Source: 2210448-08

Prepared & Analyzed: 10/28/22

| | | | | | | | |
|----------|------|---|--|------|--|-------|----|
| % Solids | 88.2 | % | | 88.1 | | 0.101 | 20 |
|----------|------|---|--|------|--|-------|----|

Summit Scientific

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Civitas Resources
650 Southgate Drive
Windsor CO, 80550

Project: Miller 1 Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/07/22 09:09

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

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

Batch BFJ0828 - General Preparation

Blank (BFJ0828-BLK1)

Prepared: 10/28/22 Analyzed: 10/31/22

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BFJ0828-BS1)

Prepared: 10/28/22 Analyzed: 10/31/22

Specific Conductance (EC) 0.153 0.0100 mmhos/cm 0.150 102 95-105

Duplicate (BFJ0828-DUP1)

Source: 2210516-01

Prepared: 10/28/22 Analyzed: 10/31/22

Specific Conductance (EC) 1.12 0.0100 mmhos/cm 1.12 0.715 20

Summit Scientific

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Civitas Resources
650 Southgate Drive
Windsor CO, 80550

Project: Miller 1 Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/07/22 09:09

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

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

Batch BFJ0829 - General Preparation

LCS (BFJ0829-BS1)

Prepared: 10/28/22 Analyzed: 10/31/22

| | | | | | |
|----|------|----------|------|------|--------|
| pH | 9.17 | pH Units | 9.18 | 99.9 | 95-105 |
|----|------|----------|------|------|--------|

Duplicate (BFJ0829-DUP1)

Source: 2210285-03

Prepared: 10/28/22 Analyzed: 10/31/22

| | | | | | |
|----|------|----------|------|-------|----|
| pH | 7.88 | pH Units | 7.86 | 0.254 | 20 |
|----|------|----------|------|-------|----|

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.



Civitas Resources
650 Southgate Drive
Windsor CO, 80550

Project: Miller 1 Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/07/22 09:09

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 |