

# **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)

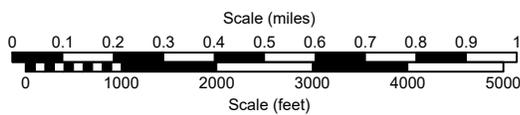
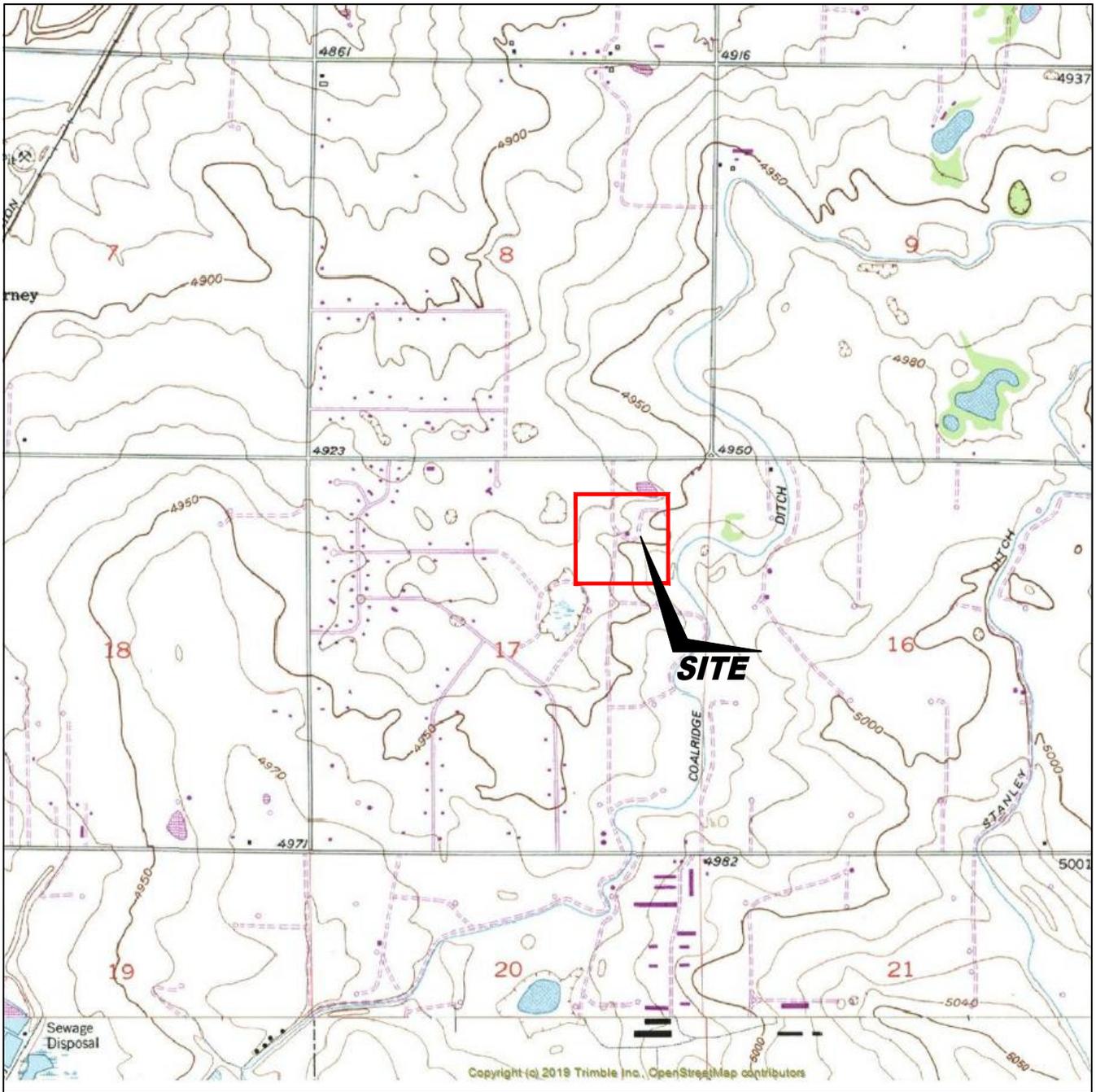
\* Summation of GRO+DRO+ORO must be less than 500 mg/kg

**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 # <b>C022-146</b>	API #	Facility # <b>108960</b>
Date <b>1/12/2023</b>	Remediation # <b>25328</b>	Filename <b>22146T</b>





**LEGEND**

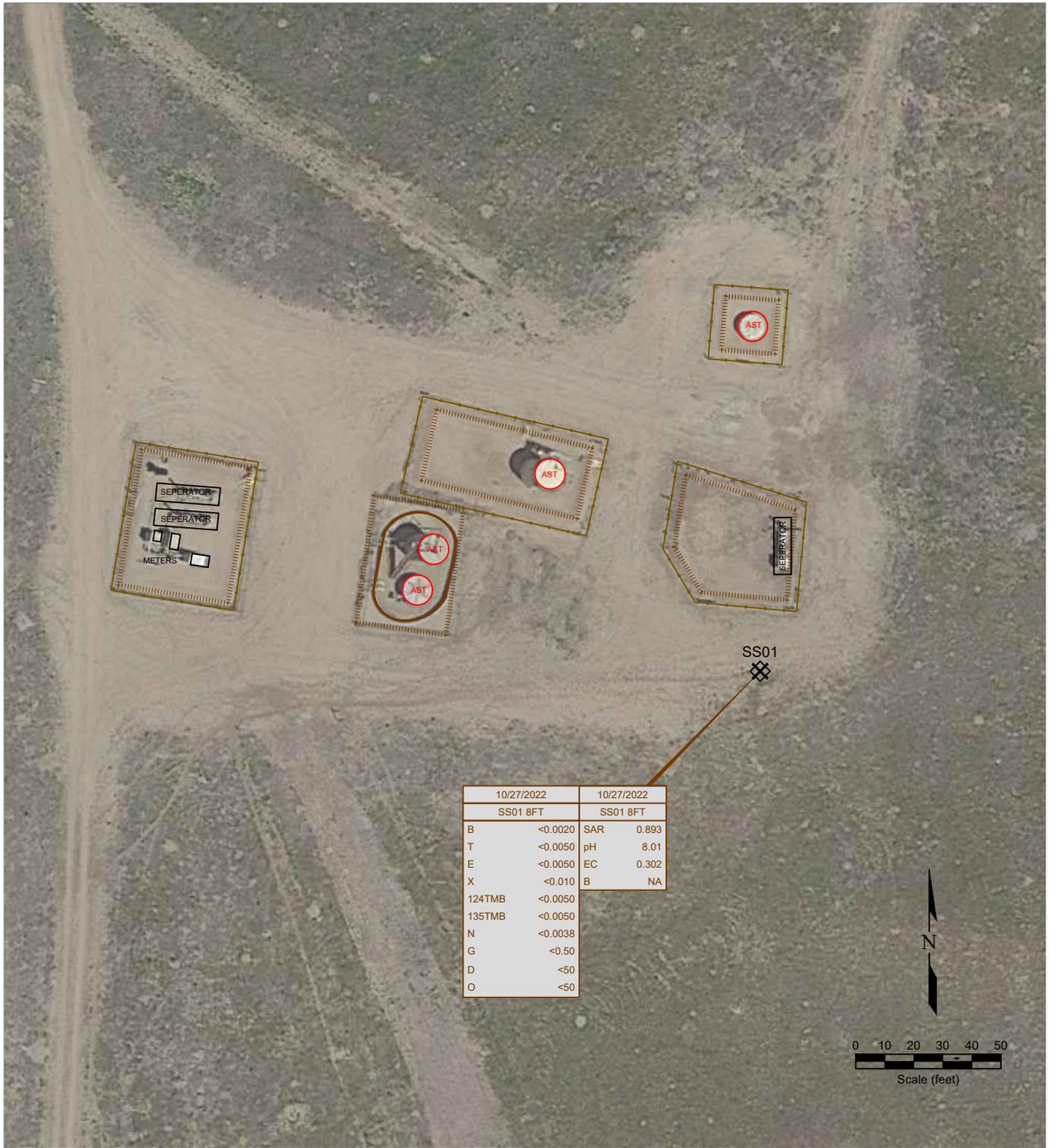
- ABOVE GROUND STORAGE TANK
- BUILDING
- BUILDING
- FENCE LINE
- CONTAINMENT BERM
- CONTAINMENT WALL

Figure 2  
SITE MAP

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

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





**LEGEND**

SOIL SAMPLE LOCATION    
 ABOVE GROUND STORAGE TANK    
 BUILDING    
 FENCE LINE    
 CONTAINMENT BERM    
 CONTAINMENT WALL

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

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

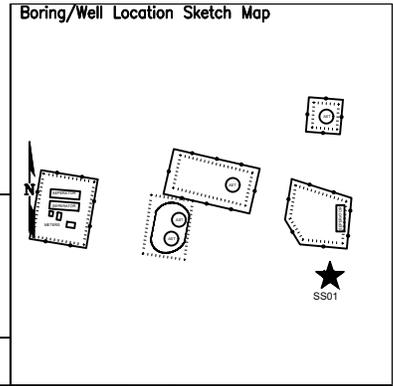
**Figure 3**  
**SOIL CHEMISTRY MAP**

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

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



# BORING/WELL CONSTRUCTION LOG



Page 1 of 1

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

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

# Summit Scientific

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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)	GR0, DR0, OR0	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)	Notes: <u>Client Civitas</u> <u>Bill to Jacob</u>
Relinquished by:	Date/Time:	Received by:	Date/Time:	Same Day _____ 72 hours _____ 24	
Temperature Upon Receipt: <u>14.8</u>	Corrected Temperature _____	HNO3 lot # _____	IR gun correction: _____	IR gun #: _____	
				Sample Integrity:	
				Samples Intact: <u>Yes</u> No	



2210527

S2 Work Order#

Sample Receipt Checklist

Client: Fremont Client Project ID: Miller 1 Battery

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

Shipping method selection boxes with handwritten 'X' in the first box.

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

Temp (°C) [14.8] Thermometer # [2]

Table with 5 columns: Yes, No, N/A, Comments (if any). Rows include: If samples require cooling, is the temperature < 6°C? (1), If custody seals are present, are they intact? (1), Are samples due within 48 hours present?, Are water samples with short hold times present?, Is a chain-of-custody (COC) form present and filled out Completely? (1), Is the COC properly relinquished by the client w/ date and time recorded? (1), Were all samples received intact? (1), Was adequate sample volume provided? (1), Does the COC agree with the number and type of sample bottles received? (1), Do the sample IDs on the bottle labels match the COC?(1), For volatiles in water - is there headspace present? If yes, contact client and note in narrative., Are samples preserved that require preservation (excluding cooling)? (1) Note the type of preservative in the comments column - HCl, H2SO4, NaOH, HNO3, etc., If samples are acid preserved for metals, is the pH <= 2? (1) Record the pH in Comments., If dissolved metals are requested, were samples field filtered?

Additional Comments (if any):

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

Custodian Printed Name: IAT

Date/Time: 10.27.22



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		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
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		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
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		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
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		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
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		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
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		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
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		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% 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		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
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		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
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	Result	Reporting		Spike Level	Source		%REC		RPD		Notes
		Limit	Units		Result	%REC	Limits	RPD	Limit		

#### 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	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0349		"	0.0400		87.3	50-150				
<i>Surrogate: Toluene-d8</i>	0.0445		"	0.0400		111	50-150				
<i>Surrogate: 4-Bromofluorobenzene</i>	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				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0342		"	0.0400		85.4	50-150				
<i>Surrogate: Toluene-d8</i>	0.0445		"	0.0400		111	50-150				
<i>Surrogate: 4-Bromofluorobenzene</i>	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				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0344		"	0.0400		86.1	50-150				
<i>Surrogate: Toluene-d8</i>	0.0417		"	0.0400		104	50-150				
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0424		"	0.0400		106	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

**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 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	Result	Reporting		Spike Level	Source Result	%REC		RPD		Notes
		Limit	Units			Limits	RPD	Limit		

**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: <i>o</i> -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: <i>o</i> -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: <i>o</i> -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: <i>o</i> -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	Result	Reporting		Spike Level	Source Result	%REC		RPD		Notes
		Limit	Units			%REC	Limits	RPD	Limit	

**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

*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

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

**Summit Scientific**

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

**Batch BFJ0796 - General Preparation**

**Duplicate (BFJ0796-DUP1)**

**Source: 2210448-08**

Prepared & Analyzed: 10/28/22

% Solids	88.2		%		88.1			0.101		20	
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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		Notes
		Limit	Units		Result	%REC	Limits	RPD	Limit		

**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	Source	%REC		RPD		Notes
		Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

**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
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**Duplicate (BFJ0829-DUP1)**

Source: 2210285-03

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

pH	7.88	pH Units	7.86	0.254	20
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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