

April 10, 2024

Civitas Resources Inc – Oster 1

Groundwater Monitoring Report

API # 05-123-11087

SESE Sec. 28, T4N, R65W

40.279016, -104.661437

Weld County, Colorado

Fremont Project No. C022-107

Facility #319336, Remediation # 20312

Site Overview – Site History

Historical soil impacts were observed by Apex following laboratory analysis of samples collected during the decommissioning of production equipment at the Oster 1 location. Excavation of impacted soil at and adjacent to the former Oster 1 wellhead and associated tank battery was undertaken and overseen by Apex between January 2022 and March 2022.

Groundwater was not encountered during excavation, but due to its proximity to the base of excavation, a pothole was advanced into groundwater to collect a groundwater sample. Laboratory results from groundwater sampling indicated Table 915-1 constituents were within allowable limits. Following Apex's consultation with the site's ECMC Environmental Protection Specialist on April 1, 2022, it was determined that monitoring well installation should be pursued to evaluate the site-specific groundwater conditions.

The remediation project was transferred from Apex to Fremont Environmental Inc. (Fremont) during quarter four of 2022.

Conceptual Site Model*

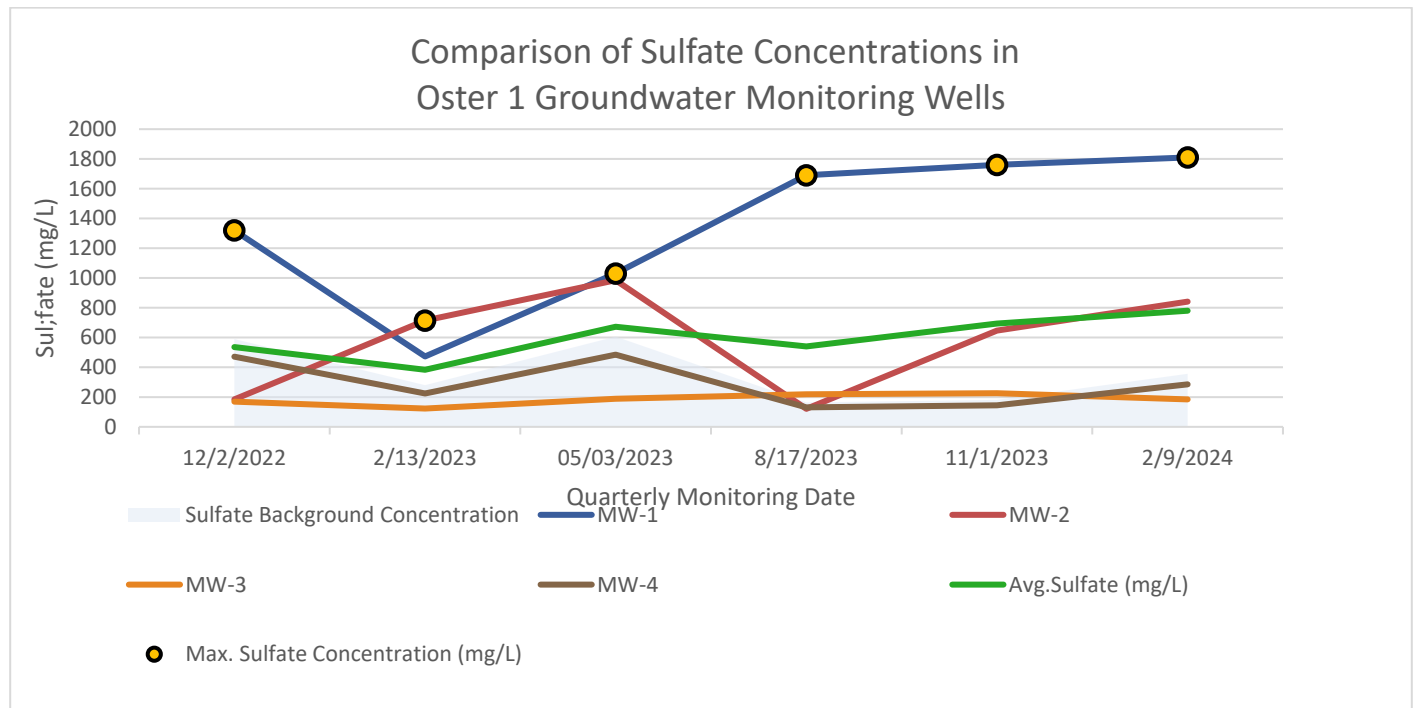
*Data presented represents the most recent sampling event

- **Land Use** – Agricultural (Crop)
- **Soil Type (USCS)** – CL - SP
- **Potential Receptors within ¼ mile** – Occupied buildings, irrigation ditch
- **Inferred Groundwater Gradient (Ft/Ft) and Flow Direction** – 0.034 ft/ft SE
- **Average Depth to Groundwater** – ~ 12.23 ft below ground surface
- **Impacted Media and Extent** – Groundwater
- **LNAPL Present** – No
- **Points of Compliance** – Yes, in all cardinal and ordinal directions, MW-4 used as local background
- **Number of Consecutive ECMC Compliant Quarters** – Four (for dissolved phase organic constituents)
- **Remediation Type** – MNA
- **Remediation System Activation Date** – NA

Contaminants of Concern (COC)

The laboratory data indicates that the inorganic constituents were reported with groundwater concentrations below the ECMC Table 915-1 standard for sulfate in two of the four wells. Two monitoring wells exceeded the ECMC Table 915-1 sulfate standard of 1.25 times the background concentration. The groundwater analytical data are summarized

in Tables 1 and 2 and illustrated on Figure 4. A copy of the laboratory's report, quality control data, and chain-of-custody documentation is attached.



Remedial Actions

It is anticipated that over time, dispersion and dilution in groundwater will reduce the elevated concentrations of sulfate in the groundwater.

Remarks

The discussion and conclusions contained in this report represent our professional opinions. These opinions are based on currently available information and are arrived at in accordance with currently accepted hydrogeologic and engineering practices at this time and location. Other than this, no warranty is implied or intended.

Please contact me at (970)213 -7488 if you require any additional information.

Fremont appreciates the opportunity to provide this service.

This report was prepared by **FREMONT ENVIRONMENTAL INC.**

4/10/2024

Date _____

Chris Lattes

Consultant

Reviewed by:



4/10/24

Date_____

Paul Henehan, PE

Senior Consultant

Attachments:

Tables

Figures

Laboratory Report

TABLE 1
SUMMARY OF GROUNDWATER ELEVATION DATA AND ORGANIC CHEMISTRY DATA
CIVITAS RESOURCES, INC.
OSTER 1, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C022-107

Sample ID	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4- Trimethyl- Benzene (µg/L)	1,3,5- Trimethyl- Benzene (µg/L)	TOC Elevation (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)	LNAPL Thickness (ft)
ECMC Table 915-1 Limits		5.0	560	700	1400	140	67	67				
MW-1	8/16/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NM	NM	NM	NP
	12/2/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	97.34	10.89	86.45	NP
	2/13/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		11.86	85.48	NP
	5/3/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		10.95	86.39	NP
	8/17/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		7.88	89.46	NP
	11/1/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		10.87	86.47	NP
	2/9/2024	NA	NA	NA	NA	NA	NA	NA		12.50	84.84	NP
MW-2	8/16/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NM	NM	NM	NP
	12/2/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	95.19	11.25	83.94	NP
	2/13/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		11.77	83.42	NP
	5/3/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		9.82	85.37	NP
	8/17/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		8.43	86.76	NP
	11/1/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		10.85	84.34	NP
	2/9/2024	NA	NA	NA	NA	NA	NA	NA		12.05	83.14	NP
MW-3	8/16/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NM	NM	NM	NP
	12/2/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	100.00	13.18	86.82	NP
	2/13/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		10.12	89.88	NP
	5/3/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		8.87	91.13	NP
	8/17/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		9.01	90.99	NP
	11/1/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		11.27	88.73	NP
	2/9/2024	NA	NA	NA	NA	NA	NA	NA		13.16	86.84	NP
MW-4	8/16/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NM	NM	NM	NP
	12/2/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	99.83	11.57	88.26	NP
	2/13/2023	<1.0	<1.0	<1.0	<2.0	<1.0	3.9	5.5		11.54	88.29	NP
	5/3/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		10.67	89.16	NP
	8/17/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		8.24	91.59	NP
	11/1/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		9.95	89.88	NP
	2/9/2024	NA	NA	NA	NA	NA	NA	NA		11.19	88.64	NP

Bold face values exceed the ECMC limits

Red highlighted 915-1 Limits indicate the referenced groundwater screening level

NP - No measureable LNAPL

NA - Not Analyzed

TABLE 2
SUMMARY OF INORGANIC GROUNDWATER CHEMISTRY DATA
CIVITAS OIL AND GAS
OSTER 1, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C022-107

Sample ID	Sample Date	Total Dissolved Solids (mg/L)	Chloride Ion (mg/L)	Sulfate Ion (mg/L)
ECMC Table 915-1 Limits		<1.25 x local background	250 or <1.25 x local background	250 or <1.25 x local background
Site Specific Background		2525	1228	356
MW-1	8/16/2022	2900	244	1320
	12/2/2022	1910	272	1320
	2/13/2023	2020	138	473
	05/03/2023	1770	193	1030
	8/17/2023	2850	239	1690
	11/1/2023	2680	224	1760
	2/9/2024	2280	254	1810
MW-2	8/16/2022	2650	290	1080
	12/2/2022	1750	339	184
	2/13/2023	2490	231	714
	05/03/2023	1790	381	985
	8/17/2023	479	62.4	121
	11/1/2023	1610	247	647
	2/9/2024	1540	324	841
MW-3	8/16/2022	1240	179	277
	12/2/2022	716	204	169
	2/13/2023	1030	112	123
	05/03/2023	821	195	189
	8/17/2023	1030	226	219
	11/1/2023	1110	215	226
	2/9/2024	736	191	185
MW-4	8/16/2022	3240	929	605
	12/2/2022	2260	1030	472

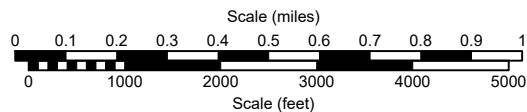
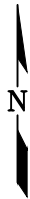
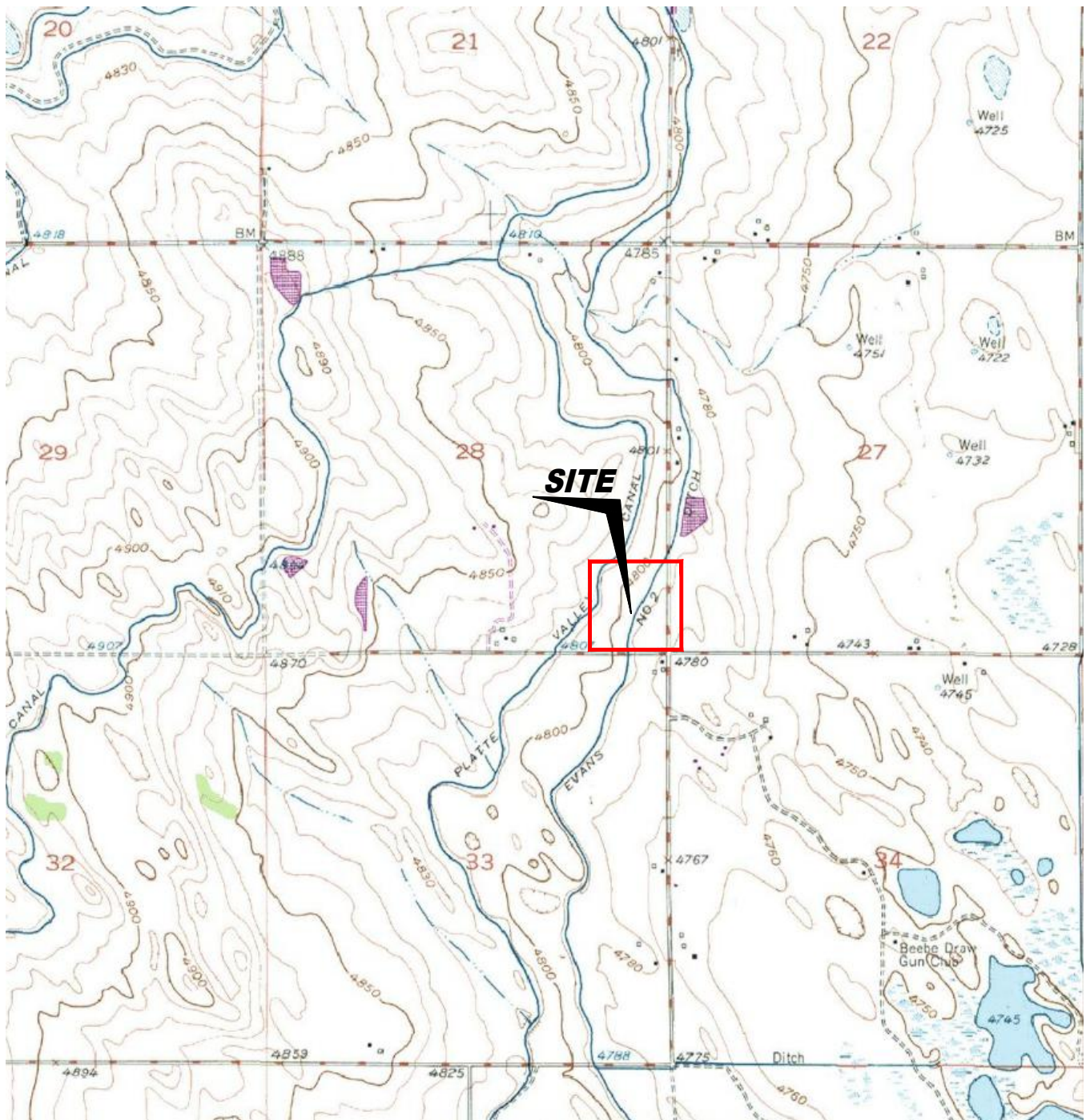
Sample ID	Sample Date	Total Dissolved Solids (mg/L)	Chloride Ion (mg/L)	Sulfate Ion (mg/L)
ECMC Table 915-1 Limits		<1.25 x local background	250 or <1.25 x local background	250 or <1.25 x local background
Site Specific Background		2525	1228	356
MW-4	2/13/2023	2850	386	224
	05/03/2023	2130	887	485
	8/17/2023	2320	940	131
	11/1/2023	2640	951	145
	2/9/2024	2020	982	285

Bold face values exceed the ECMC limits

Yellow highlighted 915-1 Limits indicate the referenced groundwater screening level

MW-4 used as upgradient/crossgradient background well

DES - Destroyed



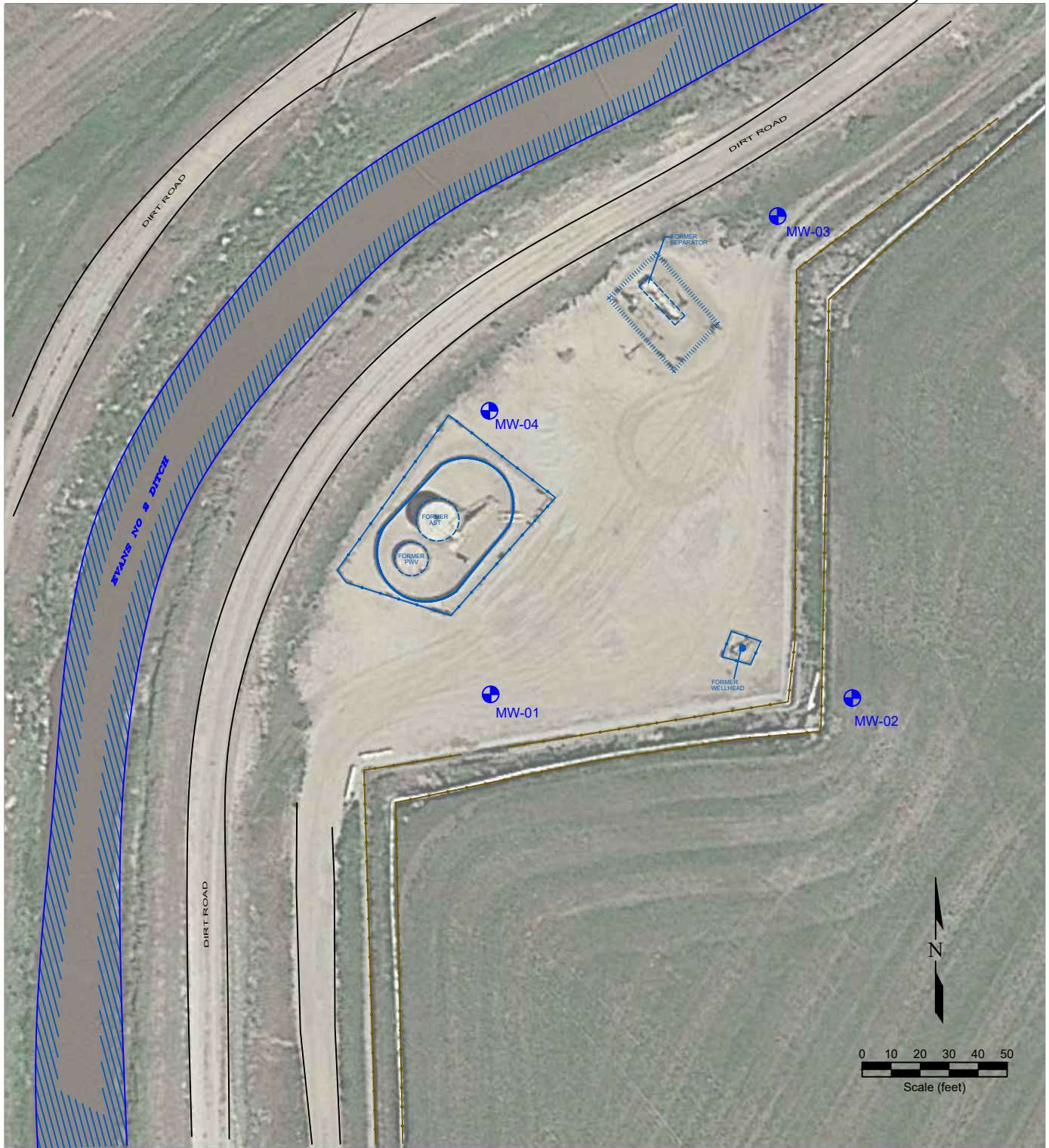
USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)

Figure 1
SITE LOCATION MAP

Civitas Resources ~ Oster 1 Tank Battery
SESE Sec. 28, T4N, R65W, 6th PM
Weld County, Colorado
40.279037°, -104.661762°

Project # C022-107	Location ID 319336	Drawn By TA
Date 3/27/24	Reviewed By PH	Filename 22107T





LEGEND

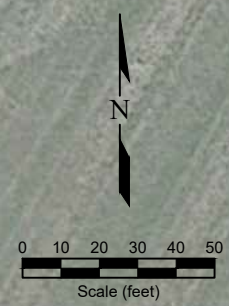
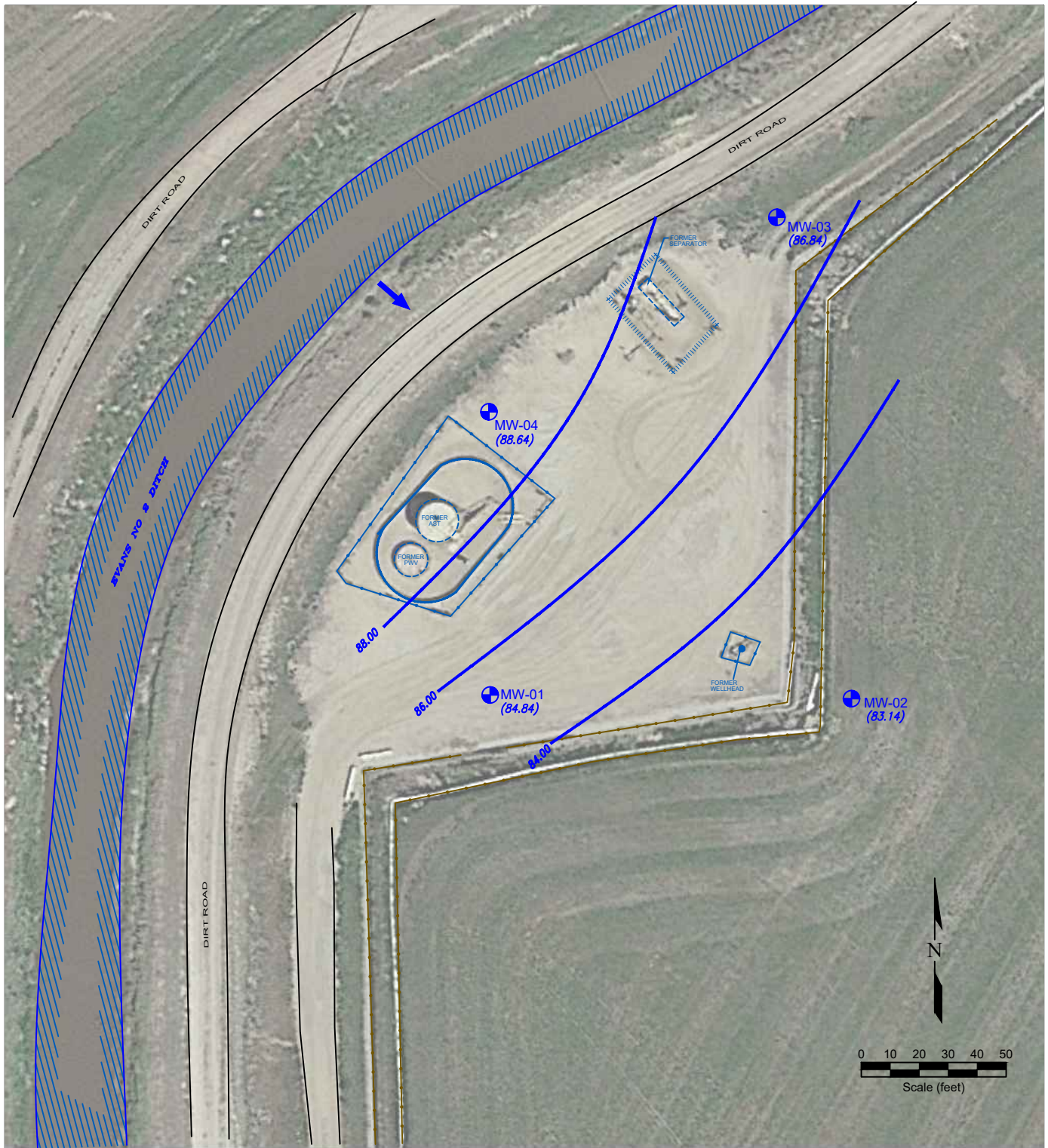
- WELL HEAD LOCATION
- ABOVE GROUND STORAGE TANK
- FORMER FACILITY
- ▤ CONTAINMENT BERM
- CONTAINMENT WALL
- FLOW LINE
- MONITORING WELL

Figure 2
SITE MAP

Civitas Resources ~ Oster 1 Tank Battery
SESE Sec. 28, T4N, R65W, 6th PM
Weld County, Colorado
40.279037°, -104.661762°

Project No. C022-107	Location ID 319336	Drawn By TA
Date 3/27/24	Reviewed By PH	Filename 22107Q






LEGEND

- WELL HEAD LOCATION
- MONITORING WELL
- ABOVE GROUND STORAGE TANK
- FORMER FACILITY
- CONTAINMENT BERM
- CONTAINMENT WALL
- 84.84 GROUND WATER ELEVATION (ft above arbitrary datum)
- 84.00 WATER TABLE CONTOUR
- GROUND WATER FLOW DIRECTION

Figure 3 GROUNDWATER CONTOUR MAP

February 9, 2024

Civitas Resources ~ Oster 1 Tank Battery
SESE Sec. 28, T4N, R65W, 6th PM
Weld County, Colorado
40.279037°, -104.661762°

Project No. C022-107	Location ID 319336	Drawn By TA	
Date 3/27/24	Reviewed By PH	Filename 22107Q	

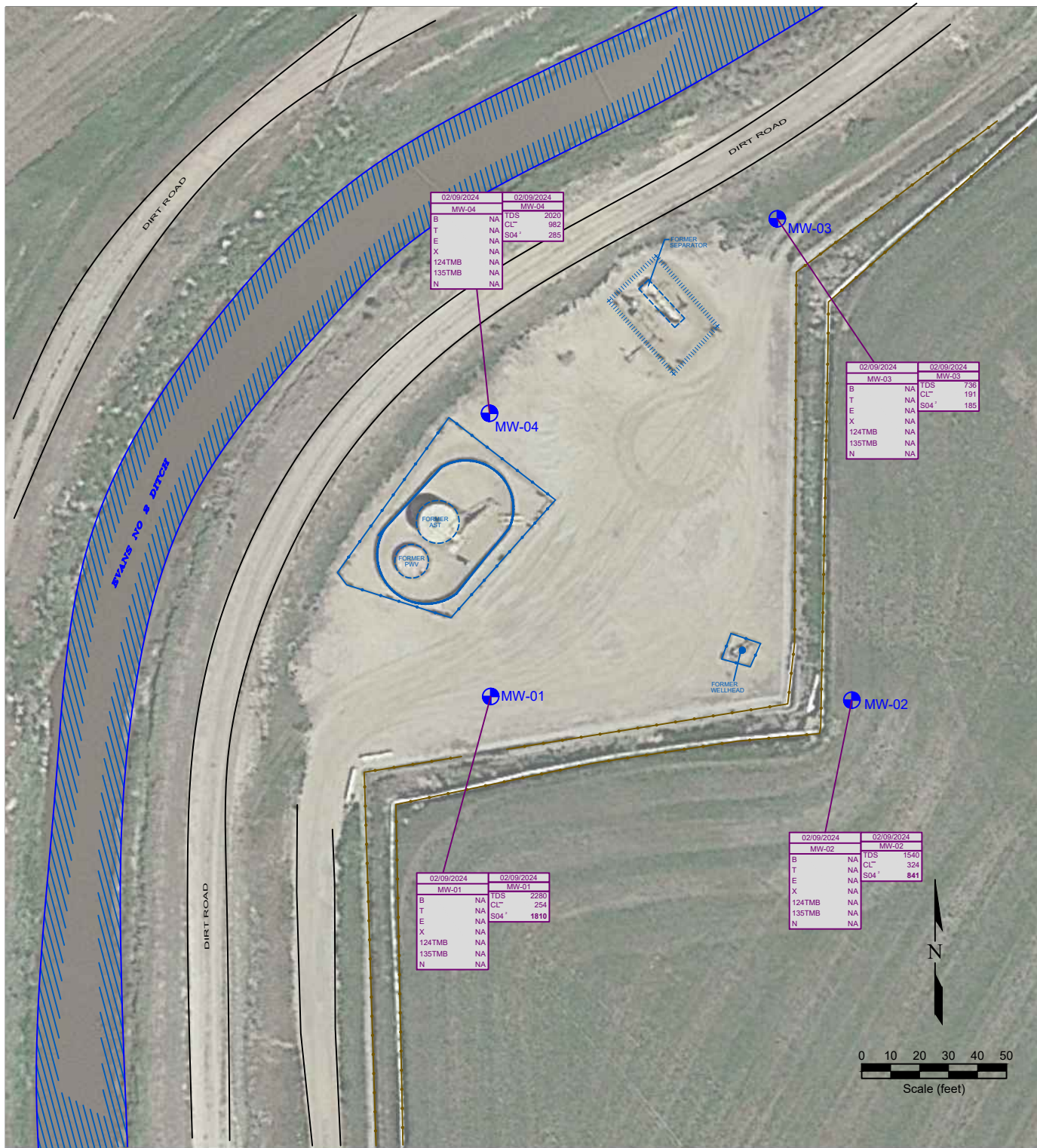



Figure 4
GROUNDWATER CHEMISTRY MAP

February 9, 2024

Civitas Resources ~ Oster 1 Tank Battery
 SESE Sec. 28, T4N, R65W, 6th PM
 Weld County, Colorado
 40.279037°, -104.661762°

Project No. C022-107	Location ID 319336	Drawn By TA	
Date 3/27/24	Reviewed By PH	Filename 22107Q	

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

February 22, 2024

Paul Henchan

Fremont Environmental

PO Box 1289

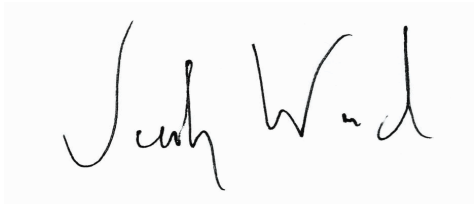
Wellington, CO 80549

RE: Civitas - Oster 1 Tank Battery

Work Order #2402281

Enclosed are the results of analyses for samples received by Summit Scientific on 02/14/24 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

Jacob Wood For Paul Shrewsbury

President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Civitas - Oster 1 Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/22/24 08:57

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	2402281-01	Water	02/09/24 00:00	02/14/24 16:30
MW-2	2402281-02	Water	02/09/24 00:00	02/14/24 16:30
MW-3	2402281-03	Water	02/09/24 00:00	02/14/24 16:30
MW-4	2402281-04	Water	02/09/24 00:00	02/14/24 16:30
BKG-SURF	2402281-05	Water	02/09/24 00:00	02/14/24 16:30

Summit Scientific

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

SUMMIT SCIENTIFIC

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

Lab ID	Page 1 of 1
2402281	

Client: Fremont		Send Data To: Project Manager: Paul Henehan		Send Invoice To: Company: CIVITAS	
Address:		E-Mail:		Project Name/Location:	
City/State/Zip:				AFE#:	
Phone:		Project Name: Oster ITB		PO/Billing Codes:	
Sampler Name: Aaron Oller		Project Number: C022-107		Contact: Jacob Evans	

					Preservative				Matrix			Analysis Requested							Special Instructions
ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO3	None	Other _____	Water	Soil	Air-Canister #	Other _____	TDS, Cl, SO4						
1	MW-1	2/9/24		1			1		X				X						
2	MW-2	1		1			1		1				1						
3	MW-3	1		1			1		1				1						
4	MW-4	1		1			1		1				1						
5	BKG-SURF	1		1			1		1				1						
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			

Relinquished by: <i>Aaron Oller</i>	Date/Time: 2/13/24 1750	Received by: Summit North Office	Date/Time: 2/13/24 1750	TAT Business Days	Field DO	Notes:
Relinquished by: 52	Date/Time: 2/14/24 1630	Received by: <i>[Signature]</i>	Date/Time: 2/14/24 1630	Same Day	Field EC	
Relinquished by:	Date/Time:	Received by:	Date/Time:	1 Day	Field ORP	
				2 Days	Field pH	
				3 Days	Field Temp.	
Temperature Upon Receipt: 5.8	Corrected Temperature: 5	IR gun #: 1	HNO3 lot #:	Standard	X	Field Turb.

S₂

Sample Receipt Checklist

S2 Work Order# 2402281Client: Fremont Client Project ID: Oster 1 TBShipped Via: H.D./P.U./FedEx/UPS/USPS/Other ☐ Airbill #: ☐

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

Matrix (Check all that apply) Air ☐ Soil/Solid ☐ Water ☒ Other ☐Temp (°C) 58 Thermometer # 1

	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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	MICE
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 times
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 checked="" type="checkbox"/>	<input 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.
AS
Custodian Printed Name

2/14/24
Date/Time



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Civitas - Oster 1 Tank Battery
Project Number: [none]
Project Manager: Paul Henehan

Reported:
02/22/24 08:57

MW-1
2402281-01 (Water)

Summit Scientific

Anions by EPA Method 300.0

Date Sampled: **02/09/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chloride	254	12.0	mg/L	200	BHB0574	02/19/24	02/19/24	EPA 300.0	
Sulfate	1810	60.0	"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **02/09/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Total Dissolved Solids	2280	10.0	mg/L	1	BHB0519	02/15/24	02/15/24	SM2540C	

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.



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Civitas - Oster 1 Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/22/24 08:57

MW-2
2402281-02 (Water)

Summit Scientific

Anions by EPA Method 300.0

Date Sampled: **02/09/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	324	12.0		mg/L	200	BHB0574	02/19/24	02/19/24	EPA 300.0	
Sulfate	841	60.0		"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **02/09/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	1540	10.0		mg/L	1	BHB0519	02/15/24	02/15/24	SM2540C	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Civitas - Oster 1 Tank Battery
Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/22/24 08:57

MW-3
2402281-03 (Water)

Summit Scientific

Anions by EPA Method 300.0

Date Sampled: **02/09/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	191	12.0		mg/L	200	BHB0574	02/19/24	02/19/24	EPA 300.0	
Sulfate	185	60.0		"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **02/09/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	736	10.0		mg/L	1	BHB0519	02/15/24	02/15/24	SM2540C	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Civitas - Oster 1 Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/22/24 08:57

MW-4
2402281-04 (Water)

Summit Scientific

Anions by EPA Method 300.0

Date Sampled: **02/09/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	982	12.0		mg/L	200	BHB0574	02/19/24	02/19/24	EPA 300.0	
Sulfate	285	60.0		"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **02/09/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	2020	10.0		mg/L	1	BHB0519	02/15/24	02/15/24	SM2540C	

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.



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Civitas - Oster 1 Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/22/24 08:57

BKG-SURF
2402281-05 (Water)

Summit Scientific

Anions by EPA Method 300.0

Date Sampled: **02/09/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	226	12.0		mg/L	200	BHB0574	02/19/24	02/19/24	EPA 300.0	
Sulfate	246	60.0		"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **02/09/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	807	10.0		mg/L	1	BHB0519	02/15/24	02/15/24	SM2540C	

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.



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Civitas - Oster 1 Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/22/24 08:57

Anions by EPA Method 300.0 - Quality Control

Summit Scientific

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

Batch BHB0574 - General Preparation

Blank (BHB0574-BLK1)

Prepared & Analyzed: 02/19/24

Chloride	ND	0.0600	mg/L
Sulfate	ND	0.300	"

LCS (BHB0574-BS1)

Prepared & Analyzed: 02/19/24

Chloride	3.04	0.0600	mg/L	3.00	101	90-110
Sulfate	14.7	0.300	"	15.0	97.7	90-110

Duplicate (BHB0574-DUP1)

Source: 2402281-01

Prepared & Analyzed: 02/19/24

Chloride	248	12.0	mg/L	254	2.23	20
Sulfate	1760	60.0	"	1810	2.76	20

Matrix Spike (BHB0574-MS1)

Source: 2402281-01

Prepared & Analyzed: 02/19/24

Chloride	863	12.0	mg/L	600	254	101	80-120
Sulfate	4780	60.0	"	3000	1810	99.0	80-120

Matrix Spike (BHB0574-MS2)

Source: 2402299-06

Prepared & Analyzed: 02/19/24

Chloride	770	12.0	mg/L	600	149	104	80-120
Sulfate	3290	60.0	"	3000	314	99.2	80-120

Summit Scientific

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Reported:
02/22/24 08:57

Total Dissolved Solids by SM2540C - Quality Control
Summit Scientific

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

Batch BHB0519 - General Preparation

Blank (BHB0519-BLK1)

Prepared & Analyzed: 02/15/24

Total Dissolved Solids ND 10.0 mg/L

Duplicate (BHB0519-DUP1)

Source: 2402262-01

Prepared & Analyzed: 02/15/24

Total Dissolved Solids 1480 10.0 mg/L 1460 1.36 20

Summit Scientific

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Wellington CO, 80549

Project: Civitas - Oster 1 Tank Battery

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/22/24 08:57

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