

FREMONT ENVIRONMENTAL INC.

May 26, 2023

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

Subject: **Groundwater Data Submittal**
Oster 1
API # 05-123-11087
SESE Sec. 28, T4N, R65W
Weld County, Colorado
Fremont Project No. C022-107
Facility #319336, Remediation #20312

Dear Mr. Evans:

Enclosed please find a copy of the above referenced Groundwater Data Submittal for the Oster 1 site in Weld County, Colorado. The enclosed data describes the groundwater quality at the site during the recent quarterly sampling and monitoring event.

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

Fremont appreciates the opportunity to provide this service.

Sincerely,
FREMONT ENVIRONMENTAL INC.



Stanley Gilbert
Environmental Scientist

Enclosure

TABLE 1
SUMMARY OF GROUNDWATER ELEVATION DATA AND ORGANIC CHEMISTRY DATA
CIVITAS RESOURCES
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)
COGCC 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	<2.1	<1.0	<1.0	<1.0		10.95	86.39	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	<2.1	<1.0	<1.0	<1.0		9.82	85.37	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	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	<2.1	<1.0	<1.0	<1.0		8.87	91.13	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

Bold face values exceed the COGCC 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 RESOURCES
OSTER 1, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C022-107

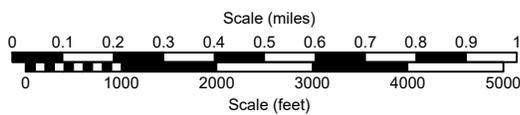
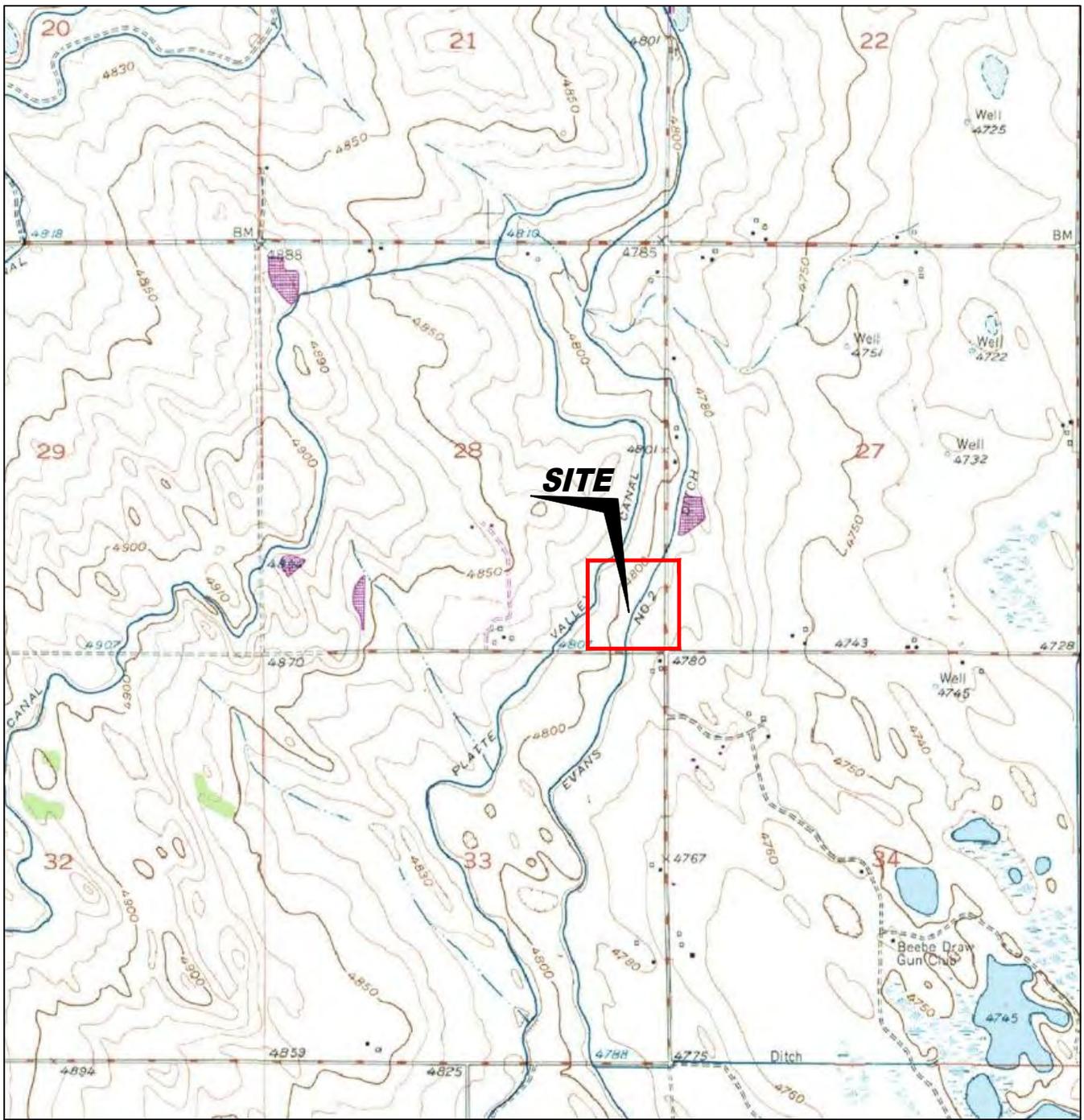
Sample ID	Sample Date	Total Dissolved Solids (mg/L)	Chloride Ion (mg/L)	Sulfate Ion (mg/L)
COGCC Table 915-1 Limits		<1.25 x local background	250 or <1.25 x local background	250 or <1.25 x local background
Site Specific Background		2663	1109	274
MW-1	8/16/2022	2900	244	1320
	12/2/2022	1910	272	1320
	2/13/2023	2020	138	473
	05/03/2023	1770	193	1030
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
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
MW-4	8/16/2022	3240	929	605
	12/2/2022	2260	1030	472
	2/13/2023	2850	386	224
	05/03/2023	2130	887	485

Bold face values exceed the COGCC limits

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

MW-4 used as upgradient/crossgradient background well

DES - Destroyed



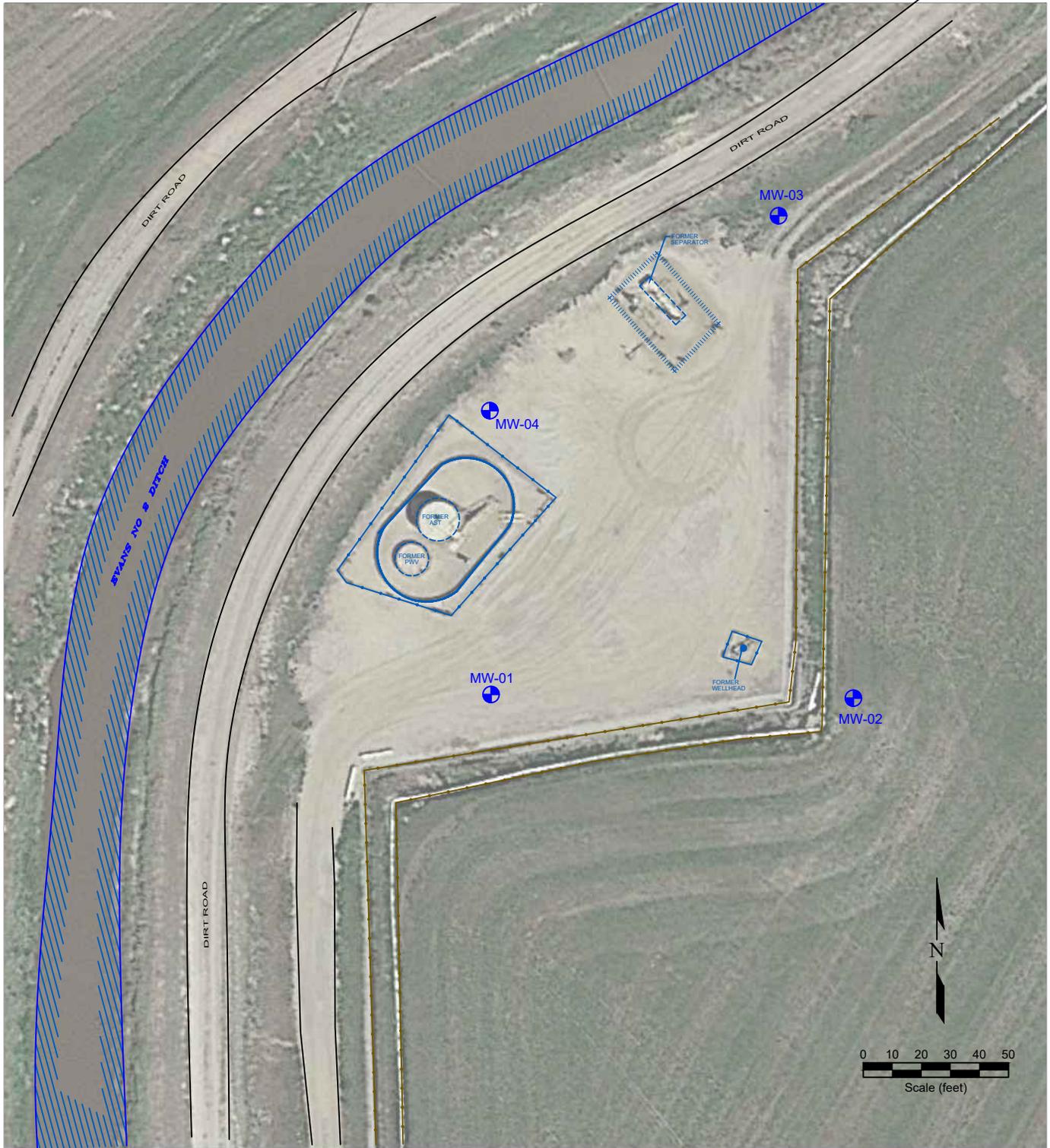
USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)

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 06/02/2023	Reviewed By CL	Filename 22107T





LEGEND

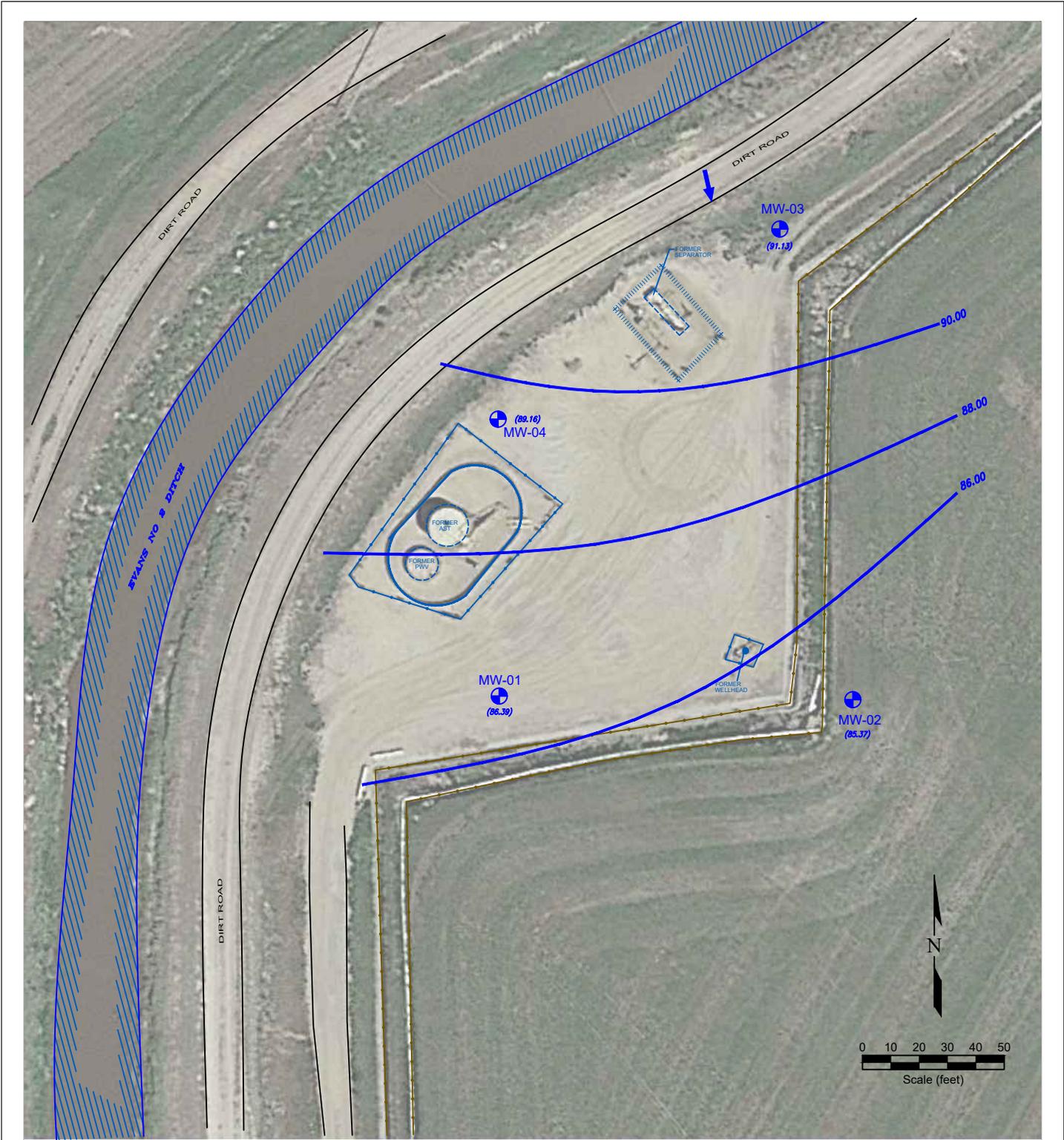
- WELL HEAD LOCATION
- ⊕ MONITORING WELL
- ABOVE GROUND STORAGE TANK
- FORMER FACILITY
- CONTAINMENT BERM
- CONTAINMENT WALL
- FLOW LINE

**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 06/02/2023	Reviewed By CL	Filename 22107Q



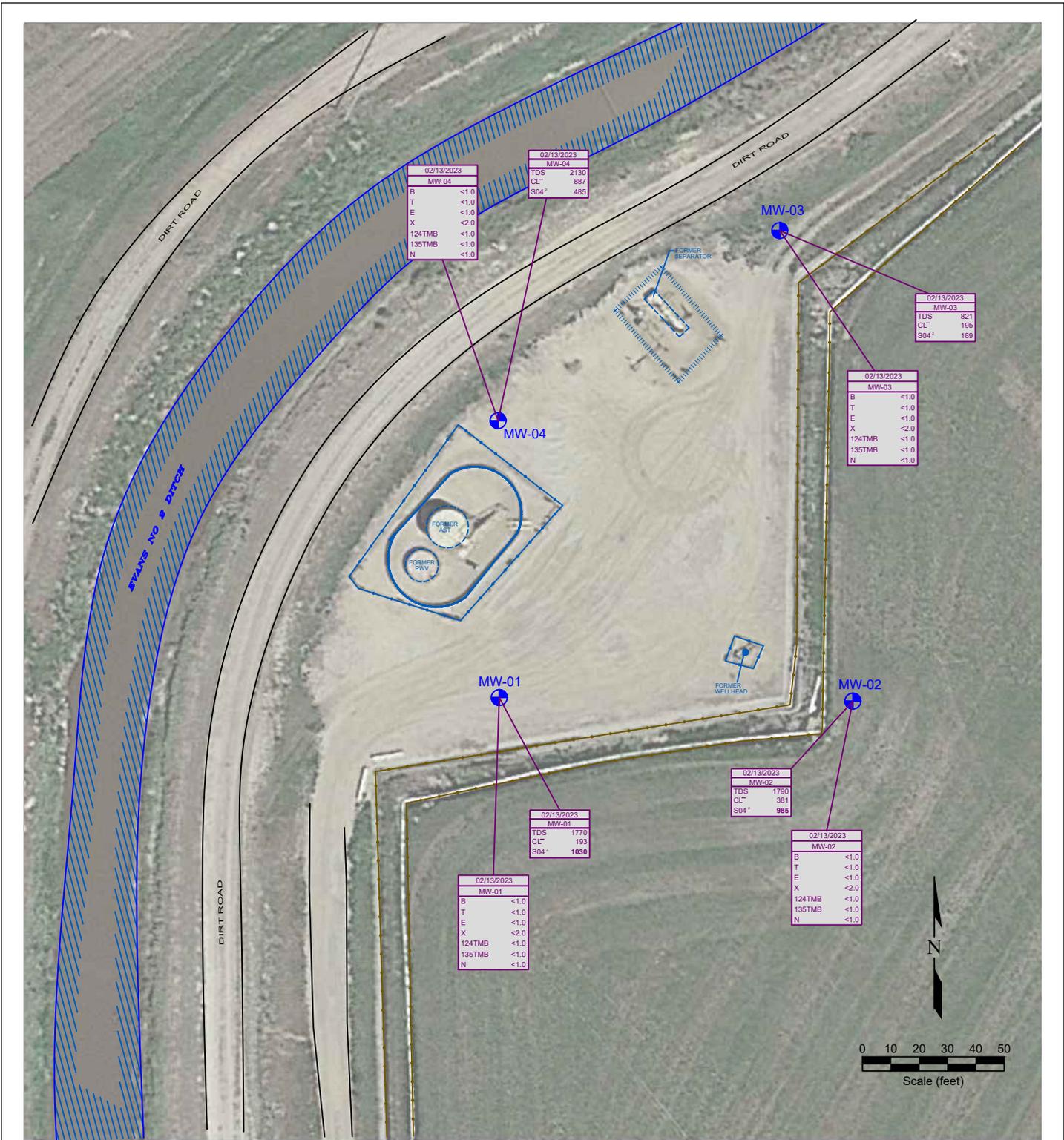


LEGEND

- WELL HEAD LOCATION
- ⊕ MONITORING WELL
- ABOVE GROUND STORAGE TANK
- ▭ FORMER FACILITY
- ▨ CONTAINMENT BERM
- ▩ CONTAINMENT WALL
- FLOW LINE
- (89.25) GROUND WATER ELEVATION (ft above arbitrary datum)
- ~ WATER TABLE CONTOUR
- ← GROUND WATER FLOW DIRECTION
- DRY INSUFFICIENT WATER SAMPLE

Figure 3
GROUNDWATER CONTOUR MAP
 March 3, 2023
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 06/02/2023	Reviewed By CL	Filename 22107Q	



LEGEND

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

DATE SAMPLED	SAMPLE ID	DATE SAMPLED	SAMPLE ID
02/13/2023	MW-01	02/13/2023	MW-01
B	<1.0	TDS	2020
T	<1.0	CL ⁻	198
E	<1.0	SO ₄ ⁻	473
X	<2.0		
124TMB	<1.0		
135TMB	<1.0		
N	<1.0		

DATE SAMPLED	SAMPLE ID	DATE SAMPLED	SAMPLE ID
02/13/2023	MW-01	02/13/2023	MW-01
TDS	1770	TDS	1790
CL ⁻	193	CL ⁻	381
SO ₄ ⁻	1030	SO ₄ ⁻	985

Figure 4
GROUNDWATER CHEMISTRY MAP
March 3, 2023
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 06/02/2023	Reviewed By CL	Filename 22107Q	

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

May 15, 2023

Paul Henchan
Fremont Environmental
PO Box 1289
Wellington, CO 80549

RE: Civitas - Oster 1

Work Order #2305085

Enclosed are the results of analyses for samples received by Summit Scientific on 05/03/23 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Scott Sheely For Paul Shrewsbury
President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Civitas - Oster 1

Project Number: [none]
Project Manager: Paul Henchan

Reported:
05/15/23 15:05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	2305085-01	Water	05/03/23 11:13	05/03/23 16:30
MW-2	2305085-02	Water	05/03/23 10:55	05/03/23 16:30
MW-3	2305085-03	Water	05/03/23 11:05	05/03/23 16:30
MW-4	2305085-04	Water	05/03/23 11:22	05/03/23 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.



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

Lab ID	Page <u>1</u> of <u>1</u>
2305085	

Send Data To:		Send Invoice To:	
Client: Fremont Environmental	Project Manager: Paul Henehan	Company: <u>Civitas</u>	
Address:	E-Mail: Fremont Distribution List	Project Name/Location: <u>Oster 1</u>	
City/State/Zip:		AFE#:	
Phone: 303-261-6246	Project Name: <u>Oster 1</u>	PO/Billing Codes:	
Sampler Name: Stanley Gilbert	Project Number:	Contact:	

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, TMBs, Naph.	TPH	PAH (915)	EC, SAR, Ph, Boron	Metals (915)		TDS, Chloride, Sulfate	HOLD	
1	MW-1	5/3/23	11:13	4	3		1		X				X					X			
2	MW-2		10:55	1																	
3	MW-3		11:05	1																	
4	MW-4		11:22	1																	
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					

Relinquished by: <u>[Signature]</u>	Date/Time: <u>5/3/23 15:57</u>	Received by: <u>Summit North</u>	Date/Time: <u>5/3/23 15:57</u>	TAT Business Days	Field DO	Notes:
				Same Day	Field EC	
Relinquished by: <u>SZ</u>	Date/Time: <u>5/3/23 16:30</u>	Received by: <u>[Signature]</u>	Date/Time: <u>5/3/23 16:30</u>	1 Day	Field ORP	
				2 Days	Field pH	
Relinquished by:	Date/Time:	Received by:	Date/Time:	3 Days	Field Temp.	
				Standard	Field Turb.	
Temperature Upon Receipt: <u>9.8</u>	Corrected Temperature: <u>6</u>	IR gun #:	<u>1</u>	HNO3 lot #:		

S₂

Sample Receipt Checklist

S2 Work Order# 2305085

Client: Fremont Client Project ID: Oster 1

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"/>	NO ICE
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 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 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.				

AS

Custodian Printed Name

5/3/23

Date/Time



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Civitas - Oster 1

Project Number: [none]
Project Manager: Paul Henchan

Reported:
05/15/23 15:05

MW-1
2305085-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/03/23 11:13**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BGE0175	05/05/23	05/10/23	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: **05/03/23 11:13**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	13.9	104 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	13.1	98.3 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.4	100 %		21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **05/03/23 11:13**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	193	12.0		mg/L	200	BGE0186	05/05/23	05/06/23	EPA 300.0	
Sulfate	1030	60.0		"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **05/03/23 11:13**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	1770	10.0		mg/L	1	BGE0152	05/04/23	05/04/23	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

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 05/15/23 15:05

MW-2
2305085-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/03/23 10:55**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BGE0175	05/05/23	05/10/23	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: **05/03/23 10:55**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	14.0	105 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	13.0	97.7 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.0	97.2 %		21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **05/03/23 10:55**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	381	12.0		mg/L	200	BGE0186	05/05/23	05/06/23	EPA 300.0	
Sulfate	985	60.0		"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **05/03/23 10:55**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	1790	10.0		mg/L	1	BGE0152	05/04/23	05/04/23	SM2540C	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Civitas - Oster 1

Project Number: [none]
Project Manager: Paul Henchan

Reported:
05/15/23 15:05

MW-3
2305085-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/03/23 11:05**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BGE0175	05/05/23	05/10/23	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: **05/03/23 11:05**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	14.0	105 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	13.0	97.4 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.2	99.3 %		21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **05/03/23 11:05**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	195	12.0		mg/L	200	BGE0186	05/05/23	05/06/23	EPA 300.0	
Sulfate	189	60.0		"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **05/03/23 11:05**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	821	10.0		mg/L	1	BGE0152	05/04/23	05/04/23	SM2540C	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Civitas - Oster 1

Project Number: [none]
Project Manager: Paul Henchan

Reported:
05/15/23 15:05

MW-4
2305085-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/03/23 11:22**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BGE0175	05/05/23	05/10/23	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: **05/03/23 11:22**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	13.9	104 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	12.9	96.6 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.3	100 %		21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **05/03/23 11:22**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	887	12.0		mg/L	200	BGE0186	05/05/23	05/06/23	EPA 300.0	
Sulfate	485	60.0		"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **05/03/23 11:22**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	2130	10.0		mg/L	1	BGE0152	05/04/23	05/04/23	SM2540C	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Civitas - Oster 1

Project Number: [none]
Project Manager: Paul Henchan

Reported:
05/15/23 15:05

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BGE0175 - EPA 5030 Water MS

Blank (BGE0175-BLK1)

Prepared: 05/05/23 Analyzed: 05/10/23

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	13.8		"	13.3		104	23-173			
Surrogate: Toluene-d8	13.1		"	13.3		98.3	20-170			
Surrogate: 4-Bromofluorobenzene	13.2		"	13.3		98.9	21-167			

LCS (BGE0175-BS1)

Prepared: 05/05/23 Analyzed: 05/10/23

Benzene	37.7	1.0	ug/l	41.7		90.4	51-132			
Toluene	39.1	1.0	"	41.7		93.8	51-138			
Ethylbenzene	44.5	1.0	"	41.7		107	58-146			
m,p-Xylene	103	2.0	"	83.3		124	57-144			
o-Xylene	43.6	1.0	"	41.7		105	53-146			
Naphthalene	43.3	1.0	"	41.7		104	70-130			
1,2,4-Trimethylbenzene	45.4	1.0	"	41.7		109	70-130			
1,3,5-Trimethylbenzene	51.6	1.0	"	41.7		124	70-130			
Surrogate: 1,2-Dichloroethane-d4	13.7		"	13.3		103	23-173			
Surrogate: Toluene-d8	13.0		"	13.3		97.7	20-170			
Surrogate: 4-Bromofluorobenzene	13.4		"	13.3		100	21-167			

Matrix Spike (BGE0175-MS1)

Source: 2305084-01

Prepared: 05/05/23 Analyzed: 05/10/23

Benzene	38.2	1.0	ug/l	41.7	ND	91.7	34-141			
Toluene	39.9	1.0	"	41.7	ND	95.8	27-151			
Ethylbenzene	44.2	1.0	"	41.7	ND	106	29-160			
m,p-Xylene	98.3	2.0	"	83.3	ND	118	20-166			
o-Xylene	43.0	1.0	"	41.7	ND	103	33-159			
Naphthalene	52.2	1.0	"	41.7	ND	125	70-130			
1,2,4-Trimethylbenzene	52.3	1.0	"	41.7	ND	125	70-130			
1,3,5-Trimethylbenzene	50.8	1.0	"	41.7	ND	122	70-130			
Surrogate: 1,2-Dichloroethane-d4	14.6		"	13.3		110	23-173			
Surrogate: Toluene-d8	13.3		"	13.3		99.5	20-170			
Surrogate: 4-Bromofluorobenzene	13.2		"	13.3		98.8	21-167			

Summit Scientific

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 PO Box 1289
 Wellington CO, 80549

Project: Civitas - Oster 1

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 05/15/23 15:05

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BGE0175 - EPA 5030 Water MS

Matrix Spike Dup (BGE0175-MSD1)	Source: 2305084-01			Prepared: 05/05/23 Analyzed: 05/10/23					
Benzene	37.4	1.0	ug/l	41.7	ND	89.7	34-141	2.22	30
Toluene	42.6	1.0	"	41.7	ND	102	27-151	6.54	30
Ethylbenzene	54.5	1.0	"	41.7	ND	131	29-160	20.9	30
m,p-Xylene	130	2.0	"	83.3	ND	156	20-166	27.9	30
o-Xylene	51.6	1.0	"	41.7	ND	124	33-159	18.2	30
Naphthalene	52.9	1.0	"	41.7	ND	127	70-130	1.41	30
1,2,4-Trimethylbenzene	52.2	1.0	"	41.7	ND	125	70-130	0.153	30
1,3,5-Trimethylbenzene	50.1	1.0	"	41.7	ND	120	70-130	1.27	30
Surrogate: 1,2-Dichloroethane-d4	16.0		"	13.3		120	23-173		
Surrogate: Toluene-d8	13.8		"	13.3		104	20-170		
Surrogate: 4-Bromofluorobenzene	10.8		"	13.3		80.9	21-167		

Summit Scientific

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 Wellington CO, 80549

Project: Civitas - Oster 1

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 05/15/23 15:05

Anions by EPA Method 300.0 - Quality Control
Summit Scientific

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

Batch BGE0186 - General Preparation

Blank (BGE0186-BLK1)

Prepared: 05/05/23 Analyzed: 05/06/23

Chloride	ND	0.0600	mg/L						
Sulfate	ND	0.300	"						

LCS (BGE0186-BS1)

Prepared: 05/05/23 Analyzed: 05/06/23

Chloride	3.29	0.0600	mg/L	3.00	110	90-110		
Sulfate	16.5	0.300	"	15.0	110	90-110		

Duplicate (BGE0186-DUP1)

Source: 2305085-01

Prepared: 05/05/23 Analyzed: 05/06/23

Chloride	176	12.0	mg/L		193		9.65	20
Sulfate	941	60.0	"		1030		9.38	20

Matrix Spike (BGE0186-MS1)

Source: 2305085-01

Prepared: 05/05/23 Analyzed: 05/06/23

Chloride	894	12.0	mg/L	600	193	117	80-120	
Sulfate	4090	60.0	"	3000	1030	102	80-120	

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Civitas - Oster 1

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 05/15/23 15:05

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 BGE0152 - General Preparation

Blank (BGE0152-BLK1)

Prepared & Analyzed: 05/04/23

Total Dissolved Solids ND 10.0 mg/L

Duplicate (BGE0152-DUP1)

Source: 2305083-01

Prepared & Analyzed: 05/04/23

Total Dissolved Solids 1710 10.0 mg/L 1640 4.60 20

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Civitas - Oster 1

Project Number: [none]
Project Manager: Paul Henchan

Reported:
05/15/23 15:05

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