

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

August 26, 2024

Paul Henchan

Fremont Environmental

PO Box 1289

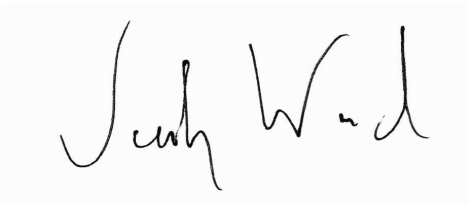
Wellington, CO 80549

RE: Noble - Miller 16-29

Work Order #2403428

Enclosed are the results of analyses for samples received by Summit Scientific on 03/27/24 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: Noble - Miller 16-29

Project Number: CO22-056
Project Manager: Paul Henchan

Reported:
08/26/24 12:45

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1R	2403428-01	Water	03/27/24 00:00	03/27/24 16:30
MW-5R	2403428-02	Water	03/27/24 00:00	03/27/24 16:30
MW-7R	2403428-03	Water	03/27/24 00:00	03/27/24 16:30
MW-8R	2403428-04	Water	03/27/24 00:00	03/27/24 16:30
MW-9R	2403428-05	Water	03/27/24 00:00	03/27/24 16:30

Case Narrative

Ethan Black requested Organics be added to all samples on 5/1/24.
This report includes those results.

Summit Scientific

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

Lab ID	Page 1 of 1
2403428	

Client: Fremont		Send Data To:		Send Invoice To:	
Address:		Project Manager: Paul Henehan		Company: <i>Chen</i>	
City/State/Zip:		E-Mail: <i>Fremont Dist. List</i>		Project Name/Location: <i>Noble Miller 16-29</i>	
Phone: <i>970 231 2792</i>		Project Name: <i>Miller 16-29</i>		AFE#:	
Sampler Name: <i>Mike Gerstner</i>		Project Number: <i>CD 22-056</i>		PO/Billing Codes:	
				Contact: <i>Dan Peterson</i>	

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested				Special Instructions
					HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	STEIN TAGS -9.5	TDS CHALK	Sealant	discolor. Enrich	
1	MW 1R	3/27/24		4	✓				✓					✓		+	
2	MW- 5R													✓		+	
3	MW- 7R													✓		+	
4	MW- 8R													✓		+	
5	MW-9R													✓		+	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

Relinquished by: <i>[Signature]</i>	Date/Time: <i>3/27/24 1545</i>	Received by: <i>[Signature]</i>	Date/Time: <i>3/27/24 1630</i>	TAT Business Days	Field DO	Notes:
Relinquished by: <i>S2</i>	Date/Time: <i>3/27/24 1630</i>	Received by: <i>[Signature]</i>	Date/Time: <i>3/27/24 1630</i>	Same Day	Field EC	
				1 Day	Field ORP	
				2 Days	Field pH	
				3 Days	Field Temp.	
Relinquished by: <i>[Signature]</i>	Date/Time: <i>3/27/24 1630</i>	Received by: <i>[Signature]</i>	Date/Time: <i>3/27/24 1630</i>	Standard	Field Turb.	
Temperature Upon Receipt: <i>8.1</i>	Corrected Temperature: <i>8</i>	IR gun #: <i>1</i>	HNO3 lot #: <i>1</i>			

S₂

Sample Receipt Checklist

S2 Work Order# 2403428Client: FranklinClient Project ID: Miller 16-29Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other

Airbill #: _____

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

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"/>	
If custody seals are present, are they intact? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CUTCE
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 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.

Custodian Printed Name

Date/Time

B-1



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Miller 16-29
Project Number: CO22-056
Project Manager: Paul Henchan

Reported:
08/26/24 12:45

MW-1R
2403428-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/27/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BHD0002	04/01/24	04/02/24	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	2.0		"	"	"	"	"	"	
Naphthalene	ND	1.0		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0		"	"	"	"	"	"	

Date Sampled: **03/27/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	18.3	137 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	13.6	102 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	14.1	106 %		21-167		"	"	"	"	

Dissolved Metals by EPA Method 200.8

Date Sampled: **03/27/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Arsenic	2.44	0.600		ug/l	1	BHD0048	04/02/24	04/02/24	EPA 200.8	
Barium	55.6	1.00		"	"	"	"	"	"	
Cadmium	0.175	0.0500		"	"	"	"	"	"	
Selenium	1.18	1.00		"	"	"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **03/27/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	462	12.0		mg/L	200	BHD0335	04/10/24	04/11/24	EPA 300.0	
Sulfate	1820	60.0		"	"	"	"	"	"	

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Wellington CO, 80549

Project: Noble - Miller 16-29
Project Number: CO22-056
Project Manager: Paul Henchan

Reported:
08/26/24 12:45

MW-1R
2403428-01 (Water)

Summit Scientific

Total Dissolved Solids by SM2540C

Date Sampled: **03/27/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	3670	10.0		mg/L	1	BHC1050	03/28/24	03/29/24	SM2540C	

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PO Box 1289
Wellington CO, 80549

Project: Noble - Miller 16-29
Project Number: CO22-056
Project Manager: Paul Henchan

Reported:
08/26/24 12:45

MW-5R
2403428-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/27/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BHD0002	04/01/24	04/02/24	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	2.0		"	"	"	"	"	"	
Naphthalene	ND	1.0		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0		"	"	"	"	"	"	

Date Sampled: **03/27/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	20.0	150 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	14.0	105 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	14.4	108 %		21-167		"	"	"	"	

Dissolved Metals by EPA Method 200.8

Date Sampled: **03/27/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Arsenic	4.48	0.600		ug/l	1	BHD0048	04/02/24	04/02/24	EPA 200.8	
Barium	89.3	1.00		"	"	"	"	"	"	
Cadmium	0.705	0.0500		"	"	"	"	"	"	
Selenium	2.00	1.00		"	"	"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **03/27/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	1780	12.0		mg/L	200	BHD0335	04/10/24	04/11/24	EPA 300.0	
Sulfate	1740	60.0		"	"	"	"	"	"	

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PO Box 1289
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Project: Noble - Miller 16-29

Project Number: CO22-056

Project Manager: Paul Henchan

Reported:
08/26/24 12:45

MW-5R
2403428-02 (Water)

Summit Scientific

Total Dissolved Solids by SM2540C

Date Sampled: **03/27/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	6390	10.0		mg/L	1	BHC1050	03/28/24	03/29/24	SM2540C	

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Project: Noble - Miller 16-29
Project Number: CO22-056
Project Manager: Paul Henchan

Reported:
08/26/24 12:45

MW-7R
2403428-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/27/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BHD0002	04/01/24	04/02/24	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **03/27/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	15.3	115 %	23-173		"	"	"	"	
Surrogate: Toluene-d8	13.9	104 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	14.5	109 %	21-167		"	"	"	"	

Dissolved Metals by EPA Method 200.8

Date Sampled: **03/27/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Arsenic	2.34	0.600	ug/l	1	BHD0048	04/02/24	04/02/24	EPA 200.8	
Barium	58.8	1.00	"	"	"	"	"	"	
Cadmium	0.140	0.0500	"	"	"	"	"	"	
Selenium	ND	1.00	"	"	"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **03/27/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Chloride	139	12.0	mg/L	200	BHD0335	04/10/24	04/11/24	EPA 300.0	
Sulfate	773	60.0	"	"	"	"	"	"	

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Project: Noble - Miller 16-29
Project Number: CO22-056
Project Manager: Paul Henchan

Reported:
08/26/24 12:45

MW-7R
2403428-03 (Water)

Summit Scientific

Total Dissolved Solids by SM2540C

Date Sampled: **03/27/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	1960	10.0		mg/L	1	BHC1050	03/28/24	03/29/24	SM2540C	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Miller 16-29

Project Number: CO22-056
Project Manager: Paul Henchan

Reported:
08/26/24 12:45

MW-8R
2403428-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/27/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BHD0002	04/01/24	04/02/24	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **03/27/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	16.2	122 %	23-173		"	"	"	"	
Surrogate: Toluene-d8	14.2	106 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.8	103 %	21-167		"	"	"	"	

Dissolved Metals by EPA Method 200.8

Date Sampled: **03/27/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Arsenic	ND	0.600	ug/l	1	BHD0048	04/02/24	04/02/24	EPA 200.8	
Barium	20.6	1.00	"	"	"	"	"	"	
Cadmium	0.0850	0.0500	"	"	"	"	"	"	
Selenium	ND	1.00	"	"	"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **03/27/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Chloride	608	12.0	mg/L	200	BHD0335	04/10/24	04/11/24	EPA 300.0	
Sulfate	1270	60.0	"	"	"	"	"	"	

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PO Box 1289
Wellington CO, 80549

Project: Noble - Miller 16-29
Project Number: CO22-056
Project Manager: Paul Henchan

Reported:
08/26/24 12:45

MW-8R
2403428-04 (Water)

Summit Scientific

Total Dissolved Solids by SM2540C

Date Sampled: **03/27/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	3190	10.0		mg/L	1	BHC1050	03/28/24	03/29/24	SM2540C	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Miller 16-29
Project Number: CO22-056
Project Manager: Paul Henchan

Reported:
08/26/24 12:45

MW-9R
2403428-05 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/27/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BHD0002	04/01/24	04/02/24	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **03/27/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	15.2	114 %	23-173		"	"	"	"	
Surrogate: Toluene-d8	14.0	105 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	14.0	105 %	21-167		"	"	"	"	

Dissolved Metals by EPA Method 200.8

Date Sampled: **03/27/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Arsenic	0.725	0.600	ug/l	1	BHD0048	04/02/24	04/02/24	EPA 200.8	
Barium	31.2	1.00	"	"	"	"	"	"	
Cadmium	0.100	0.0500	"	"	"	"	"	"	
Selenium	ND	1.00	"	"	"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **03/27/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Chloride	109	12.0	mg/L	200	BHD0335	04/10/24	04/11/24	EPA 300.0	
Sulfate	766	60.0	"	"	"	"	"	"	

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PO Box 1289
Wellington CO, 80549

Project: Noble - Miller 16-29

Project Number: CO22-056

Project Manager: Paul Henchan

Reported:
08/26/24 12:45

MW-9R
2403428-05 (Water)

Summit Scientific

Total Dissolved Solids by SM2540C

Date Sampled: **03/27/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	1740	10.0		mg/L	1	BHC1050	03/28/24	03/29/24	SM2540C	

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Project: Noble - Miller 16-29
Project Number: CO22-056
Project Manager: Paul Henchan

Reported:
08/26/24 12:45

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 BHD0002 - EPA 5030 Water MS

Blank (BHD0002-BLK1)

Prepared: 04/01/24 Analyzed: 04/02/24

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
m,p-Xylene	ND	2.0	"							
o-Xylene	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	15.7		"	13.3		118	23-173			
Surrogate: Toluene-d8	13.8		"	13.3		104	20-170			
Surrogate: 4-Bromofluorobenzene	14.7		"	13.3		110	21-167			

LCS (BHD0002-BS1)

Prepared: 04/01/24 Analyzed: 04/02/24

Benzene	35.1	1.0	ug/l	33.3		105	51-132			
Toluene	33.9	1.0	"	33.3		102	51-138			
Ethylbenzene	33.2	1.0	"	33.3		99.7	58-146			
m,p-Xylene	66.2	2.0	"	66.7		99.3	57-144			
o-Xylene	32.5	1.0	"	33.3		97.6	53-146			
Naphthalene	31.2	1.0	"	33.3		93.6	70-130			
1,2,4-Trimethylbenzene	30.7	1.0	"	33.3		92.1	70-130			
1,3,5-Trimethylbenzene	29.6	1.0	"	33.3		88.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	15.8		"	13.3		118	23-173			
Surrogate: Toluene-d8	13.8		"	13.3		104	20-170			
Surrogate: 4-Bromofluorobenzene	14.0		"	13.3		105	21-167			

Matrix Spike (BHD0002-MS1)

Source: 2403427-01

Prepared: 04/01/24 Analyzed: 04/02/24

Benzene	34.9	1.0	ug/l	33.3	ND	105	34-141			
Toluene	35.9	1.0	"	33.3	ND	108	27-151			
Ethylbenzene	32.5	1.0	"	33.3	ND	97.6	29-160			
m,p-Xylene	66.1	2.0	"	66.7	ND	99.1	20-166			
o-Xylene	33.0	1.0	"	33.3	ND	98.9	33-159			
Naphthalene	32.8	1.0	"	33.3	ND	98.6	70-130			
1,2,4-Trimethylbenzene	29.8	1.0	"	33.3	ND	89.3	70-130			
1,3,5-Trimethylbenzene	28.3	1.0	"	33.3	ND	85.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	16.1		"	13.3		121	23-173			
Surrogate: Toluene-d8	13.5		"	13.3		101	20-170			
Surrogate: 4-Bromofluorobenzene	13.8		"	13.3		103	21-167			

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Miller 16-29

Project Number: CO22-056
Project Manager: Paul Henchan

Reported:
08/26/24 12:45

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 BHD0002 - EPA 5030 Water MS

Matrix Spike Dup (BHD0002-MSD1)

Source: 2403427-01

Prepared: 04/01/24 Analyzed: 04/02/24

Benzene	36.0	1.0	ug/l	33.3	ND	108	34-141	3.05	30	
Toluene	36.3	1.0	"	33.3	ND	109	27-151	1.08	30	
Ethylbenzene	33.4	1.0	"	33.3	ND	100	29-160	2.79	30	
m,p-Xylene	68.2	2.0	"	66.7	ND	102	20-166	3.19	30	
o-Xylene	33.3	1.0	"	33.3	ND	99.8	33-159	0.936	30	
Naphthalene	33.2	1.0	"	33.3	ND	99.5	70-130	1.00	30	
1,2,4-Trimethylbenzene	31.0	1.0	"	33.3	ND	93.0	70-130	4.02	30	
1,3,5-Trimethylbenzene	30.4	1.0	"	33.3	ND	91.1	70-130	6.95	30	
Surrogate: 1,2-Dichloroethane-d4	15.9		"	13.3		120	23-173			
Surrogate: Toluene-d8	13.8		"	13.3		103	20-170			
Surrogate: 4-Bromofluorobenzene	14.4		"	13.3		108	21-167			

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Miller 16-29
Project Number: CO22-056
Project Manager: Paul Henchan

Reported:
08/26/24 12:45

Dissolved Metals by EPA Method 200.8 - Quality Control
Summit Scientific

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

Batch BHD0048 - EPA 200.8

Blank (BHD0048-BLK1)

Prepared & Analyzed: 04/02/24

Arsenic	ND	0.600	ug/l
Barium	ND	1.00	"
Cadmium	ND	0.0500	"
Selenium	ND	1.00	"

LCS (BHD0048-BS1)

Prepared & Analyzed: 04/02/24

Arsenic	495	0.600	ug/l	500	99.1	85-115
Barium	481	1.00	"	500	96.1	85-115
Cadmium	23.9	0.0500	"	25.0	95.6	85-115
Selenium	49.6	1.00	"	50.0	99.2	85-115

Duplicate (BHD0048-DUP1)

Source: 2403428-01

Prepared & Analyzed: 04/02/24

Arsenic	2.38	0.600	ug/l	2.44	2.49	20
Barium	56.3	1.00	"	55.6	1.17	20
Cadmium	0.185	0.0500	"	0.175	5.56	20
Selenium	1.30	1.00	"	1.18	9.26	20

Matrix Spike (BHD0048-MS1)

Source: 2403428-01

Prepared & Analyzed: 04/02/24

Arsenic	542	0.600	ug/l	500	2.44	108	70-130
Barium	544	1.00	"	500	55.6	97.7	70-130
Cadmium	24.0	0.0500	"	25.0	0.175	95.3	70-130
Selenium	52.6	1.00	"	50.0	1.18	103	70-130

Matrix Spike Dup (BHD0048-MSD1)

Source: 2403428-01

Prepared & Analyzed: 04/02/24

Arsenic	546	0.600	ug/l	500	2.44	109	70-130	0.795	25
Barium	547	1.00	"	500	55.6	98.3	70-130	0.489	25
Cadmium	24.3	0.0500	"	25.0	0.175	96.6	70-130	1.30	25
Selenium	52.8	1.00	"	50.0	1.18	103	70-130	0.389	25

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Miller 16-29

Project Number: CO22-056
Project Manager: Paul Henchan

Reported:
08/26/24 12:45

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 BHD0335 - General Preparation

Blank (BHD0335-BLK1)

Prepared: 04/10/24 Analyzed: 04/11/24

Chloride	ND	0.0600	mg/L
Sulfate	ND	0.300	"

LCS (BHD0335-BS1)

Prepared: 04/10/24 Analyzed: 04/11/24

Chloride	3.26	0.0600	mg/L	3.00	109	90-110
Sulfate	16.0	0.300	"	15.0	107	90-110

Duplicate (BHD0335-DUP1)

Source: 2403427-01

Prepared: 04/10/24 Analyzed: 04/11/24

Chloride	112	12.0	mg/L	115	2.63	20
Sulfate	71.0	60.0	"	74.8	5.21	20

Matrix Spike (BHD0335-MS1)

Source: 2403427-01

Prepared: 04/10/24 Analyzed: 04/11/24

Chloride	709	12.0	mg/L	600	115	99.0	80-120
Sulfate	3060	60.0	"	3000	74.8	99.5	80-120

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Miller 16-29

Project Number: CO22-056
Project Manager: Paul Henchan

Reported:
08/26/24 12:45

Total Dissolved Solids by SM2540C - Quality Control
Summit Scientific

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

Batch BHC1050 - General Preparation

Blank (BHC1050-BLK1)

Prepared: 03/28/24 Analyzed: 03/29/24

Total Dissolved Solids ND 10.0 mg/L

Duplicate (BHC1050-DUP1)

Source: 2403427-01

Prepared: 03/28/24 Analyzed: 03/29/24

Total Dissolved Solids 606 10.0 mg/L 606 0.0990 20

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Miller 16-29

Project Number: CO22-056
Project Manager: Paul Henchan

Reported:
08/26/24 12:45

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