

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

October 10, 2024

Paul Hengan
Fremont Environmental
PO Box 1289
Wellington, CO 80549
RE: PDC - Phelps
Work Order #2410063

Enclosed are the results of analyses for samples received by Summit Scientific on 10/03/24 11:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink that reads "Jacob Wood". The signature is written in a cursive style with a large initial "J" and a distinct "W".

Jacob Wood For Paul Shrewsbury
President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: PDC - Phelps
Project Number: C022-125
Project Manager: Paul Henchan

Reported:
10/10/24 15:13

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	2410063-01	Water	10/02/24 00:00	10/03/24 11:30
MW-2	2410063-02	Water	10/02/24 00:00	10/03/24 11:30
MW-3	2410063-03	Water	10/02/24 00:00	10/03/24 11:30
MW-4	2410063-04	Water	10/02/24 00:00	10/03/24 11:30
MW-5	2410063-05	Water	10/02/24 00:00	10/03/24 11:30

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2410063

S₂

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

Page 1 of 1

Client: Fremont Environmental Inc.

Project Manager: Paul Henehan

Address:

E-Mail:

City/State/Zip:

Phone:

Project Name: PDC - PHELPS

Sampler Name: HENEHAN

Project Number:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested								Special Instructions
					HCl	HNO ₃	None	Other	Water	Soil	Air-Canister #	Other	GBTEXN+TMBS	DRO,RRO	PAHs	pH, EC, SAR	Boron	915-1 metals	Arsenic	BTEXN + TMBS	
1	MW-1	10/2/21		3			✓		✓											✓	✓
2	MW-2																				
3	MW-3																				
4	MW-4																				
5	MW-5																				
6																					
7																					
8																					
9																					
10																					
Relinquished by: [Signature]		Date/Time: 10/2/21 17:30		Received by: [Signature]		Date/Time: 10/3/21 11:30		Turn Around Time (Check)				Notes:									
Relinquished by:		Date/Time:		Received by:		Date/Time:		Same Day _____				72 hours _____									
Relinquished by:		Date/Time:		Received by:		Date/Time:		24 hours _____				Standard <input checked="" type="checkbox"/>									
Relinquished by:		Date/Time:		Received by:		Date/Time:		48 hours _____				Sample Integrity:									
Relinquished by:		Date/Time:		Received by:		Date/Time:		Temperature Upon Receipt: a.u.				Samples Intact: <input checked="" type="checkbox"/> Yes No									

S₂

Sample Receipt Checklist

S2 Work Order# 2410063

Client: Fremont

Client Project ID: PAC - Phelps

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

Airbill #: _____

Matrix (Check all that apply)

Air

Soil/Solid

Water

Other

Temp (°C) 9.6

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"/>	<u>none</u>
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<u>no sample times</u>
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<u>10/3/24</u>
Do the sample IDs on the bottle labels match the COC? ⁽¹⁾	<input type="checkbox"/>	<input checked="" 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 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

10/3/24

Date/Time



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: PDC - Phelps
Project Number: C022-125
Project Manager: Paul Henchan

Reported:
10/10/24 15:13

MW-1
2410063-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BHJ0230	10/04/24	10/07/24	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: **10/02/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	12.1	90.8 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	13.1	98.1 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	12.7	95.3 %		21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	191	0.0600		mg/L	50	BHJ0294	10/08/24	10/09/24	EPA 300.0	
Sulfate	180	0.300		"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	812	10.0		mg/L	1	BHJ0281	10/08/24	10/09/24	SM2540C	

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Project: PDC - Phelps
 Project Number: C022-125
 Project Manager: Paul Henchan

Reported:
 10/10/24 15:13

MW-2
2410063-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BHJ0230	10/04/24	10/08/24	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: **10/02/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	12.5	94.0 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	13.7	103 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	12.6	94.4 %		21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	200	0.0600		mg/L	50	BHJ0294	10/08/24	10/09/24	EPA 300.0	
Sulfate	262	0.300		"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	1090	10.0		mg/L	1	BHJ0281	10/08/24	10/09/24	SM2540C	

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Project: PDC - Phelps
 Project Number: C022-125
 Project Manager: Paul Henchan

Reported:
 10/10/24 15:13

MW-3
2410063-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BHJ0230	10/04/24	10/08/24	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: **10/02/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	12.6	94.3 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	13.8	104 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	12.6	94.4 %		21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	195	0.0600		mg/L	50	BHJ0294	10/08/24	10/09/24	EPA 300.0	
Sulfate	288	0.300		"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	1180	10.0		mg/L	1	BHJ0281	10/08/24	10/09/24	SM2540C	

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Project: PDC - Phelps
Project Number: C022-125
Project Manager: Paul Henchan

Reported:
10/10/24 15:13

MW-4
2410063-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BHJ0230	10/04/24	10/08/24	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: **10/02/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	12.2	91.1 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	13.5	101 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	12.5	93.9 %		21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	168	0.0600		mg/L	50	BHJ0294	10/08/24	10/09/24	EPA 300.0	
Sulfate	219	0.300		"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	948	10.0		mg/L	1	BHJ0281	10/08/24	10/09/24	SM2540C	

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Project: PDC - Phelps
Project Number: C022-125
Project Manager: Paul Henchan

Reported:
10/10/24 15:13

MW-5
2410063-05 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BHJ0230	10/04/24	10/08/24	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: **10/02/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	12.4	92.8 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	13.7	103 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	12.8	96.0 %		21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	177	0.0600		mg/L	50	BHJ0294	10/08/24	10/09/24	EPA 300.0	
Sulfate	166	0.300		"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	841	10.0		mg/L	1	BHJ0281	10/08/24	10/09/24	SM2540C	

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Project: PDC - Phelps
Project Number: C022-125
Project Manager: Paul Henchan

Reported:
10/10/24 15:13

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BHJ0230 - EPA 5030 Water MS

Blank (BHJ0230-BLK1)

Prepared: 10/04/24 Analyzed: 10/07/24

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	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	13.2		"	13.3		99.2		23-173		
<i>Surrogate: Toluene-d8</i>	13.2		"	13.3		99.0		20-170		
<i>Surrogate: 4-Bromofluorobenzene</i>	12.8		"	13.3		96.2		21-167		

LCS (BHJ0230-BS1)

Prepared: 10/04/24 Analyzed: 10/07/24

Benzene	49.6	1.0	ug/l	50.0		99.2		51-132		
Toluene	49.6	1.0	"	50.0		99.1		51-138		
Ethylbenzene	48.5	1.0	"	50.0		96.9		58-146		
m,p-Xylene	96.9	2.0	"	100		96.9		57-144		
o-Xylene	49.2	1.0	"	50.0		98.4		53-146		
Naphthalene	48.8	1.0	"	50.0		97.5		70-130		
1,2,4-Trimethylbenzene	48.7	1.0	"	50.0		97.4		70-130		
1,3,5-Trimethylbenzene	49.3	1.0	"	50.0		98.6		70-130		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	13.2		"	13.3		98.9		23-173		
<i>Surrogate: Toluene-d8</i>	13.2		"	13.3		98.7		20-170		
<i>Surrogate: 4-Bromofluorobenzene</i>	13.6		"	13.3		102		21-167		

LCS Dup (BHJ0230-BSD1)

Prepared: 10/04/24 Analyzed: 10/07/24

Benzene	49.3	1.0	ug/l	50.0		98.6		51-132	0.627	20
Toluene	48.7	1.0	"	50.0		97.4		51-138	1.75	20
Ethylbenzene	47.6	1.0	"	50.0		95.2		58-146	1.75	20
m,p-Xylene	94.6	2.0	"	100		94.6		57-144	2.38	20
o-Xylene	48.0	1.0	"	50.0		95.9		53-146	2.49	20
Naphthalene	47.5	1.0	"	50.0		95.0		70-130	2.60	20
1,2,4-Trimethylbenzene	47.6	1.0	"	50.0		95.2		70-130	2.26	20
1,3,5-Trimethylbenzene	47.6	1.0	"	50.0		95.2		70-130	3.53	20
<i>Surrogate: 1,2-Dichloroethane-d4</i>	13.6		"	13.3		102		23-173		
<i>Surrogate: Toluene-d8</i>	13.4		"	13.3		101		20-170		
<i>Surrogate: 4-Bromofluorobenzene</i>	13.7		"	13.3		103		21-167		

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Project: PDC - Phelps

Project Number: C022-125
 Project Manager: Paul Henchan

Reported:
 10/10/24 15:13

Anions by EPA Method 300.0 - Quality Control
Summit Scientific

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

Batch BHJ0294 - General Preparation

Blank (BHJ0294-BLK1)

Prepared: 10/08/24 Analyzed: 10/09/24

Chloride	ND	0.0600	mg/L						
Sulfate	ND	0.300	"						

LCS (BHJ0294-BS1)

Prepared: 10/08/24 Analyzed: 10/09/24

Chloride	2.88	0.0600	mg/L	3.00	96.1	90-110
Sulfate	14.4	0.300	"	15.0	96.2	90-110

Duplicate (BHJ0294-DUP1)

Source: 2410063-01

Prepared: 10/08/24 Analyzed: 10/09/24

Chloride	188	0.0600	mg/L	191	1.39	20
Sulfate	178	0.300	"	180	1.10	20

Matrix Spike (BHJ0294-MS1)

Source: 2410063-01

Prepared: 10/08/24 Analyzed: 10/09/24

Chloride	332	0.0600	mg/L	150	191	94.1	80-120
Sulfate	891	0.300	"	750	180	94.8	80-120

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Project: PDC - Phelps
 Project Number: C022-125
 Project Manager: Paul Henchan

Reported:
 10/10/24 15:13

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 BHJ0281 - General Preparation

Blank (BHJ0281-BLK1)

Prepared: 10/08/24 Analyzed: 10/09/24

Total Dissolved Solids ND 10.0 mg/L

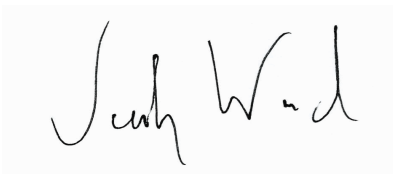
Duplicate (BHJ0281-DUP1)

Source: 2410063-01

Prepared: 10/08/24 Analyzed: 10/09/24

Total Dissolved Solids 808 10.0 mg/L 812 0.494 20

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Project: PDC - Phelps
Project Number: C022-125
Project Manager: Paul Henchan

Reported:
10/10/24 15:13

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