

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

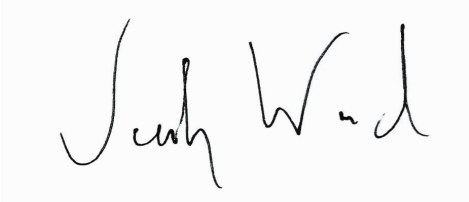
303.277.9310

November 21, 2024

Paul Henchan
Fremont Environmental
PO Box 1289
Wellington, CO 80549
RE: Chevron - Kreps #1
Work Order #2411010

Enclosed are the results of analyses for samples received by Summit Scientific on 11/01/24 16:30. 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: Chevron - Kreps #1

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/21/24 10:57

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Waste Char	2411010-01	Soil	11/01/24 00:00	11/01/24 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.

Client: Fremont		Send Data To: Project Manager: Paul Henehan	Send Invoice To: Company: CHEVRON
Address:		E-Mail:	Project Name/Location: KREPS #1
City/State/Zip:			AFE#:
Phone:		Project Name: KREPS #1	PO/Billing Codes:
Sampler Name: HENEHAN		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
1	WASTE CHAR	11/1/24		2			✓				✓			
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														

Relinquished by: <i>[Signature]</i>	Date/Time: 11/1/24 1602	Received by: <i>[Signature]</i>	Date/Time: 11/1/24 1630	TAT Business Days	Field DO	Notes:
Relinquished by: 82	Date/Time: 11/24 1630	Received by: <i>[Signature]</i>	Date/Time: 11/24 1630	Same Day	Field EC	
Relinquished by:	Date/Time:	Received by:	Date/Time:	1 Day	Field ORP	
Relinquished by:	Date/Time:	Received by:	Date/Time:	2 Days	Field pH	
Relinquished by:	Date/Time:	Received by:	Date/Time:	3 Days	Field Temp.	
Temperature Upon Receipt: 4.3	Corrected Temperature: C	IR gun #:		Standard	Field Turb. <input checked="" type="checkbox"/>	
					HNO3 lot #:	

S₂

Sample Receipt Checklist

S2 Work Order# 2411010

Client: Fremont

Client Project ID: Kreps #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"/>	on 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 checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded? ⁽¹⁾	<input checked="" type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" 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

11/1/24

Date/Time



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Kreps #1

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/21/24 10:57

Waste Char
2411010-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/01/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.20		mg/kg	100	BHK0218	11/05/24	11/07/24	EPA 8260B	R-05
Toluene	ND	0.50		"	"	"	"	"	"	R-05
Ethylbenzene	4.1	0.50		"	"	"	"	"	"	
Xylenes (total)	1.5	1.0		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	33	0.50		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	5.6	0.50		"	"	"	"	"	"	
Naphthalene	2.2	0.38		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	1100	50		"	"	"	"	"	"	

Date Sampled: **11/01/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0348	87.1 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0557	139 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0514	128 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/01/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	520	50		mg/kg	1	BHK0219	11/05/24	11/08/24	EPA 8015M	
C28-C36 (ORO)	130	50		"	"	"	"	"	"	

Date Sampled: **11/01/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	11.0	87.7 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Waste Char
2411010-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.0500	mg/kg	10	BHK0203	11/05/24	11/06/24	EPA 8270D SIM	R-05
Anthracene	ND	0.0500	"	"	"	"	"	"	R-05
Benzo (a) anthracene	0.0514	0.0500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0500	"	"	"	"	"	"	R-05
Benzo (b) fluoranthene	ND	0.0500	"	"	"	"	"	"	R-05
Benzo (k) fluoranthene	ND	0.0500	"	"	"	"	"	"	R-05
Chrysene	ND	0.0500	"	"	"	"	"	"	R-05
Dibenz (a,h) anthracene	ND	0.0500	"	"	"	"	"	"	R-05
Fluoranthene	ND	0.0500	"	"	"	"	"	"	R-05
Fluorene	0.380	0.0500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0500	"	"	"	"	"	"	R-05
Pyrene	ND	0.0500	"	"	"	"	"	"	R-05
1-Methylnaphthalene	2.03	0.0500	"	"	"	"	"	"	E
2-Methylnaphthalene	3.28	0.0500	"	"	"	"	"	"	E

Date Sampled: **11/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0442	133 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0357	107 %	40-140		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **11/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHK0434	11/08/24	11/14/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **11/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project Manager: Paul Henchan

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2411010-01 (Soil)

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Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	0.888	0.200	mg/kg dry	1	BHK0621	11/13/24	11/20/24	EPA 6020B
Barium	128	0.400	"	"	"	"	"	"
Cadmium	0.220	0.200	"	"	"	"	"	"
Copper	7.80	0.400	"	"	"	"	"	"
Lead	7.69	0.200	"	"	"	"	"	"
Nickel	10.2	0.400	"	"	"	"	"	"
Silver	0.0390	0.0200	"	"	"	"	"	"
Zinc	8.91	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: 11/01/24 00:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHK0669	11/13/24	11/16/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: 11/01/24 00:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	23.0	0.0500	mg/L dry	1	BHK0538	11/11/24	11/15/24	EPA 6020B	
Magnesium	10.9	0.0500	"	"	"	"	"	"	
Sodium	88.6	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: 11/01/24 00:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	3.81	0.00100	units	1	BHK0820	11/15/24	11/15/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: 11/01/24 00:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project Number: [none]
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Waste Char
2411010-01 (Soil)

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Physical Parameters by APHA/ASTM/EPA Methods

% Solids	78.6	%	1	BHK0375	11/07/24	11/08/24	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **11/01/24 00:00**


Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.524	0.0100	mmhos/cm	1	BHK0540	11/11/24	11/13/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **11/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.81		pH Units	1	BHK0539	11/11/24	11/13/24	EPA 9045D	

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Project Number: [none]
Project Manager: Paul Henchan

Reported:
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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 BHK0218 - EPA 5030 Soil MS

Blank (BHK0218-BLK1)

Prepared: 11/05/24 Analyzed: 11/06/24

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>	0.0389		"	0.0400		97.3	50-150				
<i>Surrogate: Toluene-d8</i>	0.0402		"	0.0400		100	50-150				
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0378		"	0.0400		94.6	50-150				

LCS (BHK0218-BS1)

Prepared: 11/05/24 Analyzed: 11/06/24

Benzene	0.110	0.0020	mg/kg	0.100		110	70-130				
Toluene	0.119	0.0050	"	0.100		119	70-130				
Ethylbenzene	0.120	0.0050	"	0.100		120	70-130				
m,p-Xylene	0.239	0.010	"	0.200		119	70-130				
o-Xylene	0.113	0.0050	"	0.100		113	70-130				
1,2,4-Trimethylbenzene	0.113	0.0050	"	0.100		113	70-130				
1,3,5-Trimethylbenzene	0.116	0.0050	"	0.100		116	70-130				
Naphthalene	0.0933	0.0038	"	0.100		93.3	70-130				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0376		"	0.0400		94.0	50-150				
<i>Surrogate: Toluene-d8</i>	0.0397		"	0.0400		99.3	50-150				
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0397		"	0.0400		99.3	50-150				

Matrix Spike (BHK0218-MS1)

Source: 2410635-01

Prepared: 11/05/24 Analyzed: 11/06/24

Benzene	0.0810	0.0020	mg/kg	0.100	ND	81.0	70-130				
Toluene	0.0851	0.0050	"	0.100	ND	85.1	70-130				
Ethylbenzene	0.0829	0.0050	"	0.100	ND	82.9	70-130				
m,p-Xylene	0.165	0.010	"	0.200	ND	82.4	70-130				
o-Xylene	0.0791	0.0050	"	0.100	ND	79.1	70-130				
1,2,4-Trimethylbenzene	0.0799	0.0050	"	0.100	ND	79.9	70-130				
1,3,5-Trimethylbenzene	0.0788	0.0050	"	0.100	ND	78.8	70-130				
Naphthalene	0.0805	0.0038	"	0.100	ND	80.5	70-130				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0422		"	0.0400		105	50-150				
<i>Surrogate: Toluene-d8</i>	0.0404		"	0.0400		101	50-150				
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0394		"	0.0400		98.6	50-150				

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Project: Chevron - Kreps #1

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 11/21/24 10:57

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BHK0218 - EPA 5030 Soil MS

Matrix Spike Dup (BHK0218-MSD1)	Source: 2410635-01			Prepared: 11/05/24 Analyzed: 11/06/24						
Benzene	0.0969	0.0020	mg/kg	0.100	ND	96.9	70-130	17.8	30	
Toluene	0.102	0.0050	"	0.100	ND	102	70-130	17.7	30	
Ethylbenzene	0.0936	0.0050	"	0.100	ND	93.6	70-130	12.2	30	
m,p-Xylene	0.185	0.010	"	0.200	ND	92.6	70-130	11.6	30	
o-Xylene	0.0899	0.0050	"	0.100	ND	89.9	70-130	12.7	30	
1,2,4-Trimethylbenzene	0.0886	0.0050	"	0.100	ND	88.6	70-130	10.4	30	
1,3,5-Trimethylbenzene	0.0896	0.0050	"	0.100	ND	89.6	70-130	12.7	30	
Naphthalene	0.0861	0.0038	"	0.100	ND	86.1	70-130	6.70	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0457</i>		<i>"</i>	<i>0.0400</i>		<i>114</i>	<i>50-150</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0405</i>		<i>"</i>	<i>0.0400</i>		<i>101</i>	<i>50-150</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0392</i>		<i>"</i>	<i>0.0400</i>		<i>98.0</i>	<i>50-150</i>			

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Project: Chevron - Kreps #1

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 11/21/24 10:57

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BHK0219 - EPA 3550A

Blank (BHK0219-BLK1)

Prepared: 11/05/24 Analyzed: 11/07/24

C10-C28 (DRO)	ND	50	mg/kg								
C28-C36 (ORO)	ND	50	"								
Surrogate: <i>o</i> -Terphenyl	13.6		"	12.5	109	30-150					

LCS (BHK0219-BS1)

Prepared: 11/05/24 Analyzed: 11/07/24

C10-C28 (DRO)	543	50	mg/kg	500	109	70-130					
Surrogate: <i>o</i> -Terphenyl	12.8		"	12.5	102	30-150					

Matrix Spike (BHK0219-MS1)

Source: 2410635-01

Prepared: 11/05/24 Analyzed: 11/07/24

C10-C28 (DRO)	539	50	mg/kg	500	17.5	104	70-130				
Surrogate: <i>o</i> -Terphenyl	12.6		"	12.5	101	30-150					

Matrix Spike Dup (BHK0219-MSD1)

Source: 2410635-01

Prepared: 11/05/24 Analyzed: 11/08/24

C10-C28 (DRO)	526	50	mg/kg	500	17.5	102	70-130	2.33	20		
Surrogate: <i>o</i> -Terphenyl	12.6		"	12.5	101	30-150					

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Project: Chevron - Kreps #1

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/21/24 10:57

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BHK0203 - EPA 5030 Soil MS

Blank (BHK0203-BLK1)

Prepared: 11/05/24 Analyzed: 11/06/24

Acenaphthene	ND	0.00500	mg/kg								
Anthracene	ND	0.00500	"								
Benzo (a) anthracene	ND	0.00500	"								
Benzo (a) pyrene	ND	0.00500	"								
Benzo (b) fluoranthene	ND	0.00500	"								
Benzo (k) fluoranthene	ND	0.00500	"								
Chrysene	ND	0.00500	"								
Dibenz (a,h) anthracene	ND	0.00500	"								
Fluoranthene	ND	0.00500	"								
Fluorene	ND	0.00500	"								
Indeno (1,2,3-cd) pyrene	ND	0.00500	"								
Pyrene	ND	0.00500	"								
1-Methylnaphthalene	ND	0.00500	"								
2-Methylnaphthalene	ND	0.00500	"								
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0217</i>		"	<i>0.0333</i>		<i>65.0</i>		<i>40-150</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0224</i>		"	<i>0.0333</i>		<i>67.2</i>		<i>40-150</i>			

LCS (BHK0203-BS1)

Prepared: 11/05/24 Analyzed: 11/06/24

Acenaphthene	0.0196	0.00500	mg/kg	0.0333	58.8	31-137
Anthracene	0.0206	0.00500	"	0.0333	61.9	30-120
Benzo (a) anthracene	0.0217	0.00500	"	0.0333	65.0	30-120
Benzo (a) pyrene	0.0194	0.00500	"	0.0333	58.2	30-120
Benzo (b) fluoranthene	0.0187	0.00500	"	0.0333	56.0	30-120
Benzo (k) fluoranthene	0.0178	0.00500	"	0.0333	53.5	30-120
Chrysene	0.0204	0.00500	"	0.0333	61.2	30-120
Dibenz (a,h) anthracene	0.0187	0.00500	"	0.0333	56.0	30-120
Fluoranthene	0.0199	0.00500	"	0.0333	59.6	30-120
Fluorene	0.0205	0.00500	"	0.0333	61.6	30-120
Indeno (1,2,3-cd) pyrene	0.0275	0.00500	"	0.0333	82.5	30-120
Pyrene	0.0239	0.00500	"	0.0333	71.7	35-142
1-Methylnaphthalene	0.0179	0.00500	"	0.0333	53.6	35-142
2-Methylnaphthalene	0.0184	0.00500	"	0.0333	55.1	35-142
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0187</i>		"	<i>0.0333</i>	<i>56.0</i>	<i>40-150</i>
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0206</i>		"	<i>0.0333</i>	<i>61.7</i>	<i>40-150</i>

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Kreps #1

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/21/24 10:57

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BHK0203 - EPA 5030 Soil MS

Matrix Spike (BHK0203-MS1)	Source: 2410632-01			Prepared: 11/05/24 Analyzed: 11/06/24				QM-01	
Acenaphthene	0.0106	0.00500	mg/kg	0.0333	ND	31.8	31-137		
Anthracene	0.0120	0.00500	"	0.0333	ND	36.0	30-120		
Benzo (a) anthracene	0.0125	0.00500	"	0.0333	ND	37.5	30-120		
Benzo (a) pyrene	0.0111	0.00500	"	0.0333	ND	33.3	30-120		
Benzo (b) fluoranthene	0.0111	0.00500	"	0.0333	ND	33.4	30-120		
Benzo (k) fluoranthene	0.0105	0.00500	"	0.0333	ND	31.6	30-120		
Chrysene	0.0119	0.00500	"	0.0333	ND	35.8	30-120		
Dibenz (a,h) anthracene	0.00946	0.00500	"	0.0333	ND	28.4	30-120		
Fluoranthene	0.0122	0.00500	"	0.0333	ND	36.5	30-120		
Fluorene	0.0113	0.00500	"	0.0333	ND	33.9	30-120		
Indeno (1,2,3-cd) pyrene	0.0129	0.00500	"	0.0333	ND	38.7	30-120		
Pyrene	0.0145	0.00500	"	0.0333	ND	43.4	35-142		
1-Methylnaphthalene	0.00988	0.00500	"	0.0333	ND	29.6	15-130		
2-Methylnaphthalene	0.0101	0.00500	"	0.0333	ND	30.3	15-130		
Surrogate: 2-Methylnaphthalene-d10	0.0102		"	0.0333		30.5	40-150		
Surrogate: Fluoranthene-d10	0.0124		"	0.0333		37.3	40-150		

Matrix Spike Dup (BHK0203-MSD1)	Source: 2410632-01			Prepared: 11/05/24 Analyzed: 11/06/24				QM-01	
Acenaphthene	0.0135	0.00500	mg/kg	0.0333	ND	40.6	31-137	24.5	30
Anthracene	0.0143	0.00500	"	0.0333	ND	43.0	30-120	17.6	30
Benzo (a) anthracene	0.0145	0.00500	"	0.0333	ND	43.4	30-120	14.6	30
Benzo (a) pyrene	0.0126	0.00500	"	0.0333	ND	37.7	30-120	12.4	30
Benzo (b) fluoranthene	0.0126	0.00500	"	0.0333	ND	37.9	30-120	12.7	30
Benzo (k) fluoranthene	0.0119	0.00500	"	0.0333	ND	35.7	30-120	12.1	30
Chrysene	0.0139	0.00500	"	0.0333	ND	41.6	30-120	15.1	30
Dibenz (a,h) anthracene	0.0108	0.00500	"	0.0333	ND	32.4	30-120	13.3	30
Fluoranthene	0.0146	0.00500	"	0.0333	ND	43.8	30-120	18.2	30
Fluorene	0.0141	0.00500	"	0.0333	ND	42.4	30-120	22.2	30
Indeno (1,2,3-cd) pyrene	0.0154	0.00500	"	0.0333	ND	46.1	30-120	17.4	30
Pyrene	0.0163	0.00500	"	0.0333	ND	49.0	35-142	12.1	30
1-Methylnaphthalene	0.0133	0.00500	"	0.0333	ND	39.9	15-130	29.4	50
2-Methylnaphthalene	0.0135	0.00500	"	0.0333	ND	40.4	15-130	28.7	50
Surrogate: 2-Methylnaphthalene-d10	0.0135		"	0.0333		40.6	40-150		
Surrogate: Fluoranthene-d10	0.0146		"	0.0333		43.7	40-150		

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - Kreps #1

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 11/21/24 10:57

Total Metals by EPA 6020B Hot Water Soluble Extraction - Quality Control
Summit Scientific

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

Batch BHK0434 - EPA 3050B

Blank (BHK0434-BLK1)

Prepared: 11/08/24 Analyzed: 11/14/24

Boron ND 2.00 mg/L

LCS (BHK0434-BS1)

Prepared: 11/08/24 Analyzed: 11/14/24

Boron 5.25 2.00 mg/L 5.00 105 80-120

Duplicate (BHK0434-DUP1)

Source: 2411004-01

Prepared: 11/08/24 Analyzed: 11/14/24

Boron 0.213 2.00 mg/L 0.243 12.9 20

Matrix Spike (BHK0434-MS1)

Source: 2411004-01

Prepared: 11/08/24 Analyzed: 11/14/24

Boron 5.07 2.00 mg/L 5.02 0.243 96.3 75-125

Matrix Spike Dup (BHK0434-MSD1)

Source: 2411004-01

Prepared: 11/08/24 Analyzed: 11/14/24

Boron 5.42 2.00 mg/L 5.02 0.243 103 75-125 6.74 25

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - Kreps #1

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 11/21/24 10:57

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHK0621 - EPA 3050B

Blank (BHK0621-BLK1)

Prepared: 11/13/24 Analyzed: 11/20/24

Arsenic	ND	0.200	mg/kg wet							
Barium	ND	0.400	"							
Cadmium	ND	0.200	"							
Copper	ND	0.400	"							
Lead	ND	0.200	"							
Nickel	ND	0.400	"							
Silver	ND	0.0200	"							
Zinc	ND	0.400	"							
Selenium	ND	0.260	"							

LCS (BHK0621-BS1)

Prepared: 11/13/24 Analyzed: 11/20/24

Arsenic	40.5	0.200	mg/kg wet	39.4	103	80-120
Barium	41.6	0.400	"	39.4	106	80-120
Cadmium	2.01	0.200	"	1.97	102	80-120
Copper	40.1	0.400	"	39.4	102	80-120
Lead	21.4	0.200	"	19.7	109	80-120
Nickel	39.7	0.400	"	39.4	101	80-120
Silver	1.85	0.0200	"	1.97	93.9	80-120
Zinc	41.0	0.400	"	39.4	104	80-120
Selenium	3.96	0.260	"	3.94	101	80-120

Duplicate (BHK0621-DUP1)

Source: 2410627-01

Prepared: 11/13/24 Analyzed: 11/20/24

Arsenic	0.502	0.200	mg/kg dry	0.576	13.7	20	
Barium	61.7	0.400	"	67.2	8.58	20	
Cadmium	0.0844	0.200	"	0.104	20.8	20	QR-01
Copper	4.45	0.400	"	4.64	4.19	20	
Lead	4.35	0.200	"	5.11	16.0	20	
Nickel	2.74	0.400	"	3.19	15.1	20	
Silver	0.0174	0.0200	"	0.0202	14.8	20	
Zinc	5.41	0.400	"	6.29	15.0	20	
Selenium	ND	0.260	"	ND		20	

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - Kreps #1

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 11/21/24 10:57

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHK0621 - EPA 3050B

Matrix Spike (BHK0621-MS1)

Source: 2410627-01

Prepared: 11/13/24 Analyzed: 11/20/24

Arsenic	16.5	0.200	mg/kg dry	42.1	0.576	37.9	75-125				QM-05
Barium	98.0	0.400	"	42.1	67.2	73.0	75-125				QM-05
Cadmium	2.24	0.200	"	2.11	0.104	101	75-125				
Copper	46.0	0.400	"	42.1	4.64	98.1	75-125				
Lead	24.9	0.200	"	21.1	5.11	94.0	75-125				
Nickel	44.8	0.400	"	42.1	3.19	98.8	75-125				
Silver	0.699	0.0200	"	2.11	0.0202	32.2	75-125				QM-05
Zinc	21.9	0.400	"	42.1	6.29	37.1	75-125				QM-05
Selenium	4.06	0.260	"	4.21	ND	96.4	75-125				

Matrix Spike Dup (BHK0621-MSD1)

Source: 2410627-01

Prepared: 11/13/24 Analyzed: 11/20/24

Arsenic	16.8	0.200	mg/kg dry	43.2	0.576	37.5	75-125	1.45	25		QM-05
Barium	166	0.400	"	43.2	67.2	229	75-125	51.6	25		QM-05
Cadmium	2.27	0.200	"	2.16	0.104	100	75-125	1.37	25		
Copper	46.4	0.400	"	43.2	4.64	96.7	75-125	0.919	25		
Lead	25.5	0.200	"	21.6	5.11	94.3	75-125	2.13	25		
Nickel	45.0	0.400	"	43.2	3.19	96.8	75-125	0.320	25		
Silver	0.718	0.0200	"	2.16	0.0202	32.3	75-125	2.75	25		QM-05
Zinc	22.4	0.400	"	43.2	6.29	37.4	75-125	2.23	25		QM-05
Selenium	4.20	0.260	"	4.32	ND	97.3	75-125	3.31	25		

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Kreps #1

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/21/24 10:57

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

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

Batch BHK0669 - 3060A Mod

Blank (BHK0669-BLK1)

Prepared: 11/13/24 Analyzed: 11/16/24

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BHK0669-BS1)

Prepared: 11/13/24 Analyzed: 11/16/24

Chromium, Hexavalent 26.2 0.30 mg/kg wet 25.0 105 80-120

Duplicate (BHK0669-DUP1)

Source: 2410630-01

Prepared: 11/13/24 Analyzed: 11/16/24

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BHK0669-MS1)

Source: 2410630-01

Prepared: 11/13/24 Analyzed: 11/16/24

Chromium, Hexavalent 34.6 0.30 mg/kg dry 28.7 ND 120 75-125

Matrix Spike Dup (BHK0669-MSD1)

Source: 2410630-01

Prepared: 11/13/24 Analyzed: 11/16/24

Chromium, Hexavalent 32.8 0.30 mg/kg dry 28.7 ND 114 75-125 5.12 20

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - Kreps #1

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 11/21/24 10:57

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 BHK0538 - General Preparation

Blank (BHK0538-BLK1)

Prepared: 11/11/24 Analyzed: 11/15/24

Calcium	ND	0.0500	mg/L wet							
Magnesium	ND	0.0500	"							
Sodium	ND	0.0500	"							

LCS (BHK0538-BS1)

Prepared: 11/11/24 Analyzed: 11/15/24

Calcium	5.01	0.0500	mg/L wet	5.00	100	70-130				
Magnesium	5.33	0.0500	"	5.00	107	70-130				
Sodium	5.35	0.0500	"	5.00	107	70-130				

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - Kreps #1

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 11/21/24 10:57

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

Summit Scientific

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

Batch BHK0375 - General Preparation

Duplicate (BHK0375-DUP1)

Source: 2410053-01

Prepared: 11/07/24 Analyzed: 11/08/24

% Solids	97.2		%		97.0			0.236	20	
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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - Kreps #1

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 11/21/24 10:57

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 BHK0540 - General Preparation

Blank (BHK0540-BLK1)

Prepared: 11/11/24 Analyzed: 11/13/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BHK0540-BS1)

Prepared: 11/11/24 Analyzed: 11/13/24

Specific Conductance (EC) 0.152 0.0100 mmhos/cm 0.150 102 95-105


Duplicate (BHK0540-DUP1)

Source: 2411004-01

Prepared: 11/11/24 Analyzed: 11/13/24

Specific Conductance (EC) 0.535 0.0100 mmhos/cm 0.539 0.800 20

Summit Scientific



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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - Kreps #1

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 11/21/24 10:57

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 BHK0539 - General Preparation

LCS (BHK0539-BS1)

Prepared: 11/11/24 Analyzed: 11/13/24

pH	9.29	pH Units	9.18	101	95-105
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Duplicate (BHK0539-DUP1)

Source: 2411004-01

Prepared: 11/11/24 Analyzed: 11/13/24

pH	8.36	pH Units	8.34	0.240	20
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Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Kreps #1

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/21/24 10:57

Notes and Definitions

- R-05 The reporting limit for this sample has been raised due to the presence of high levels of non-target analytes.
- QR-01 Analyses are not controlled on RPD values from sample concentrations below the reporting limit. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.
- QM-01 The spike recovery for this QC sample is outside of established control limits due to sample matrix interference. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.
- E The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
- 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