

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

December 30, 2024

Paul Henchan
Fremont Environmental
PO Box 1289
Wellington, CO 80549
RE: Chevron - Gus LD Pad
Work Order #2411460

Enclosed are the results of analyses for samples received by Summit Scientific on 11/25/24 17:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

Natalie Tessier For Paul Shrewsbury
President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Gus LD Pad

Project Number: [none]
Project Manager: Paul Henchan

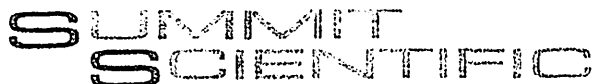
Reported:
12/30/24 07:16

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FS-02 (2)	2411460-01	Soil	11/25/24 00:00	11/25/24 17:00

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 1 of 1
24114 ^{AS} 60	

Send Data To:		Send Invoice To:	
Client: Fremont	Project Manager: Paul Henehan	Company: PDC / CHEVRON	
Address:	E-Mail:	Project Name/Location: GUS LD PAD	
City/State/Zip:		AFE#:	
Phone:	Project Name: GUS LD PAD	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	ES-02(2)	11/25/24		2			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>			
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														

Relinquished by: <i>MAFRE</i>	Date/Time: 11/25/24 1700	Received by: <i>[Signature]</i>	Date/Time: 11/25/24 1700	TAT Business Days	Field DO	Notes:
Relinquished by:	Date/Time:	Received by:	Date/Time:	Same Day	Field EC	
				1 Day	Field ORP	
				2 Days	Field pH	
				3 Days	Field Temp.	
				<u>Standard</u>	<input checked="" type="checkbox"/> Field Turb.	
Temperature Upon Receipt: 8.3	Corrected Temperature: 6	IR gun #: 1	HNO3 lot #:			

S₂

Sample Receipt Checklist

S2 Work Order# 2411460

Client: Fremont Client Project ID: Gus LP Pad

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 20E
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 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

11/25/24
Date/Time



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Gus LD Pad

Project Number: [none]
Project Manager: Paul Henchan

Reported:
12/30/24 07:16

FS-02 (2)
2411460-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/25/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BHL0042	12/02/24	12/03/24	EPA 8260B	
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		"	"	"	"	"	"	

Date Sampled: **11/25/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0426	106 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0400	100 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0388	97.0 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/25/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BHL0046	12/02/24	12/03/24	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **11/25/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	9.71	77.7 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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: Chevron - Gus LD Pad

Project Number: [none]
Project Manager: Paul Henchan

Reported:
12/30/24 07:16

FS-02 (2)
2411460-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/25/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHL0144	12/04/24	12/12/24	EPA 8270D SIM	
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	"	"	"	"	"	"	

Date Sampled: **11/25/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0170	51.0 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0201	60.4 %	40-140		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **11/25/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHL1183	12/26/24	12/27/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **11/25/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

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: Chevron - Gus LD Pad

Project Number: [none]
Project Manager: Paul Henchan

Reported:
12/30/24 07:16

FS-02 (2)
2411460-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	1.07	0.200	mg/kg dry	1	BHL0913	12/19/24	12/26/24	EPA 6020B
Barium	48.4	0.400	"	"	"	"	"	"
Cadmium	ND	0.200	"	"	"	"	"	"
Copper	3.95	0.400	"	"	"	"	"	"
Lead	10.2	0.200	"	"	"	"	"	"
Nickel	3.29	0.400	"	"	"	"	"	"
Silver	0.0277	0.0200	"	"	"	"	"	"
Zinc	11.8	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: 11/25/24 00:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHL1003	12/20/24	12/20/24	EPA 7196A	

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

Date Sampled: 11/25/24 00:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	82.6	0.0500	mg/L dry	1	BHL0920	12/19/24	12/27/24	EPA 6020B	
Magnesium	21.4	0.0500	"	"	"	"	"	"	
Sodium	175	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: 11/25/24 00:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	4.44	0.00100	units	1	BHL1243	12/27/24	12/27/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

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: Chevron - Gus LD Pad

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 12/30/24 07:16

FS-02 (2)
2411460-01 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/25/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	82.0		%	1	BHL0494	12/11/24	12/12/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **11/25/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.33	0.0100	mmhos/cm	1	BHL0936	12/19/24	12/26/24	EPA 120.1	

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

Date Sampled: **11/25/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.04		pH Units	1	BHL0928	12/19/24	12/26/24	EPA 9045D	

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: Chevron - Gus LD Pad

Project Number: [none]
Project Manager: Paul Henchan

Reported:
12/30/24 07:16

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 BHL0042 - EPA 5030 Soil MS

Blank (BHL0042-BLK1)

Prepared: 12/02/24 Analyzed: 12/03/24

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	"								
Surrogate: 1,2-Dichloroethane-d4	0.0413		"	0.0400		103	50-150				
Surrogate: Toluene-d8	0.0401		"	0.0400		100	50-150				
Surrogate: 4-Bromofluorobenzene	0.0391		"	0.0400		97.8	50-150				

LCS (BHL0042-BS1)

Prepared: 12/02/24 Analyzed: 12/03/24

Benzene	0.0949	0.0020	mg/kg	0.100		94.9	70-130				
Toluene	0.0938	0.0050	"	0.100		93.8	70-130				
Ethylbenzene	0.0905	0.0050	"	0.100		90.5	70-130				
m,p-Xylene	0.182	0.010	"	0.200		91.1	70-130				
o-Xylene	0.0936	0.0050	"	0.100		93.6	70-130				
1,2,4-Trimethylbenzene	0.0895	0.0050	"	0.100		89.5	70-130				
1,3,5-Trimethylbenzene	0.0879	0.0050	"	0.100		87.9	70-130				
Naphthalene	0.0909	0.0038	"	0.100		90.9	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.0395		"	0.0400		98.7	50-150				
Surrogate: Toluene-d8	0.0399		"	0.0400		99.8	50-150				
Surrogate: 4-Bromofluorobenzene	0.0392		"	0.0400		98.0	50-150				

Matrix Spike (BHL0042-MS1)

Source: 2411420-01

Prepared: 12/02/24 Analyzed: 12/03/24

Benzene	0.0857	0.0020	mg/kg	0.100	ND	85.7	70-130				
Toluene	0.0848	0.0050	"	0.100	ND	84.8	70-130				
Ethylbenzene	0.0820	0.0050	"	0.100	ND	82.0	70-130				
m,p-Xylene	0.165	0.010	"	0.200	ND	82.7	70-130				
o-Xylene	0.0853	0.0050	"	0.100	ND	85.3	70-130				
1,2,4-Trimethylbenzene	0.0810	0.0050	"	0.100	ND	81.0	70-130				
1,3,5-Trimethylbenzene	0.0812	0.0050	"	0.100	ND	81.2	70-130				
Naphthalene	0.0862	0.0038	"	0.100	ND	86.2	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.0404		"	0.0400		101	50-150				
Surrogate: Toluene-d8	0.0397		"	0.0400		99.2	50-150				
Surrogate: 4-Bromofluorobenzene	0.0398		"	0.0400		99.4	50-150				

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: Chevron - Gus LD Pad

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 12/30/24 07:16

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	Limit	

Batch BHL0042 - EPA 5030 Soil MS

Matrix Spike Dup (BHL0042-MSD1)	Source: 2411420-01			Prepared: 12/02/24 Analyzed: 12/03/24						
Benzene	0.0902	0.0020	mg/kg	0.100	ND	90.2	70-130	5.08	30	
Toluene	0.0896	0.0050	"	0.100	ND	89.6	70-130	5.54	30	
Ethylbenzene	0.0830	0.0050	"	0.100	ND	83.0	70-130	1.20	30	
m,p-Xylene	0.170	0.010	"	0.200	ND	84.8	70-130	2.52	30	
o-Xylene	0.0851	0.0050	"	0.100	ND	85.1	70-130	0.247	30	
1,2,4-Trimethylbenzene	0.0810	0.0050	"	0.100	ND	81.0	70-130	0.0370	30	
1,3,5-Trimethylbenzene	0.0823	0.0050	"	0.100	ND	82.3	70-130	1.40	30	
Naphthalene	0.0858	0.0038	"	0.100	ND	85.8	70-130	0.419	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0434</i>		<i>"</i>	<i>0.0400</i>		<i>108</i>	<i>50-150</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0402</i>		<i>"</i>	<i>0.0400</i>		<i>100</i>	<i>50-150</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0391</i>		<i>"</i>	<i>0.0400</i>		<i>97.7</i>	<i>50-150</i>			

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: Chevron - Gus LD Pad

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 12/30/24 07:16

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 BHL0046 - EPA 3550A

Blank (BHL0046-BLK1)

Prepared & Analyzed: 12/02/24

C10-C28 (DRO)	ND	50	mg/kg								
C28-C36 (ORO)	ND	50	"								
Surrogate: <i>o</i> -Terphenyl	13.0		"	12.5		104		30-150			

LCS (BHL0046-BS1)

Prepared & Analyzed: 12/02/24

C10-C28 (DRO)	540	50	mg/kg	500		108		70-130			
Surrogate: <i>o</i> -Terphenyl	12.5		"	12.5		100		30-150			

Matrix Spike (BHL0046-MS1)

Source: 2411420-01

Prepared & Analyzed: 12/02/24

C10-C28 (DRO)	595	50	mg/kg	500	ND	119		70-130			
Surrogate: <i>o</i> -Terphenyl	14.8		"	12.5		118		30-150			

Matrix Spike Dup (BHL0046-MSD1)

Source: 2411420-01

Prepared & Analyzed: 12/02/24

C10-C28 (DRO)	566	50	mg/kg	500	ND	113		70-130	5.06	20	
Surrogate: <i>o</i> -Terphenyl	15.2		"	12.5		122		30-150			

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: Chevron - Gus LD Pad

Project Number: [none]
Project Manager: Paul Henchan

Reported:
12/30/24 07:16

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 BHL0144 - EPA 5030 Soil MS

Blank (BHL0144-BLK1)

Prepared: 12/04/24 Analyzed: 12/11/24

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>0.0260</i>		"	<i>0.0333</i>		<i>78.1</i>	<i>40-140</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0321</i>		"	<i>0.0333</i>		<i>96.3</i>	<i>40-140</i>			

LCS (BHL0144-BS1)

Prepared: 12/04/24 Analyzed: 12/11/24

Acenaphthene	0.0249	0.00500	mg/kg	0.0333		74.7	40-140			
Anthracene	0.0234	0.00500	"	0.0333		70.3	40-140			
Benzo (a) anthracene	0.0237	0.00500	"	0.0333		71.0	40-140			
Benzo (a) pyrene	0.0219	0.00500	"	0.0333		65.6	40-140			
Benzo (b) fluoranthene	0.0222	0.00500	"	0.0333		66.7	40-140			
Benzo (k) fluoranthene	0.0217	0.00500	"	0.0333		65.0	40-140			
Chrysene	0.0245	0.00500	"	0.0333		73.6	40-140			
Dibenz (a,h) anthracene	0.0198	0.00500	"	0.0333		59.5	40-140			
Fluoranthene	0.0247	0.00500	"	0.0333		74.2	40-140			
Fluorene	0.0271	0.00500	"	0.0333		81.4	40-140			
Indeno (1,2,3-cd) pyrene	0.0261	0.00500	"	0.0333		78.3	40-140			
Pyrene	0.0280	0.00500	"	0.0333		84.0	40-140			
1-Methylnaphthalene	0.0247	0.00500	"	0.0333		74.1	40-140			
2-Methylnaphthalene	0.0223	0.00500	"	0.0333		66.8	40-140			
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0230</i>		"	<i>0.0333</i>		<i>68.9</i>	<i>40-140</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0258</i>		"	<i>0.0333</i>		<i>77.5</i>	<i>40-140</i>			

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: Chevron - Gus LD Pad

Project Number: [none]
Project Manager: Paul Henchan

Reported:
12/30/24 07:16

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 BHL0144 - EPA 5030 Soil MS

Matrix Spike (BHL0144-MS1)	Source: 2411448-01			Prepared: 12/04/24 Analyzed: 12/11/24						
Acenaphthene	0.0192	0.00500	mg/kg	0.0333	ND	57.5	40-140			
Anthracene	0.0205	0.00500	"	0.0333	ND	61.4	40-140			
Benzo (a) anthracene	0.0207	0.00500	"	0.0333	ND	62.0	40-140			
Benzo (a) pyrene	0.0193	0.00500	"	0.0333	ND	58.0	40-140			
Benzo (b) fluoranthene	0.0190	0.00500	"	0.0333	ND	57.1	40-140			
Benzo (k) fluoranthene	0.0174	0.00500	"	0.0333	ND	52.3	40-140			
Chrysene	0.0213	0.00500	"	0.0333	ND	63.9	40-140			
Dibenz (a,h) anthracene	0.0182	0.00500	"	0.0333	ND	54.7	40-140			
Fluoranthene	0.0215	0.00500	"	0.0333	ND	64.6	40-140			
Fluorene	0.0229	0.00500	"	0.0333	ND	68.8	40-140			
Indeno (1,2,3-cd) pyrene	0.0222	0.00500	"	0.0333	ND	66.5	40-140			
Pyrene	0.0233	0.00500	"	0.0333	ND	70.0	40-140			
1-Methylnaphthalene	0.0217	0.00500	"	0.0333	ND	65.0	40-140			
2-Methylnaphthalene	0.0195	0.00500	"	0.0333	ND	58.5	40-140			
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0200</i>		<i>"</i>	<i>0.0333</i>		<i>60.0</i>	<i>40-140</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0216</i>		<i>"</i>	<i>0.0333</i>		<i>64.9</i>	<i>40-140</i>			

Matrix Spike Dup (BHL0144-MSD1)	Source: 2411448-01			Prepared: 12/04/24 Analyzed: 12/11/24						
Acenaphthene	0.0148	0.00500	mg/kg	0.0333	ND	44.5	40-140	25.4	30	
Anthracene	0.0147	0.00500	"	0.0333	ND	44.2	40-140	32.7	30	QR-02
Benzo (a) anthracene	0.0158	0.00500	"	0.0333	ND	47.4	40-140	26.7	30	
Benzo (a) pyrene	0.0149	0.00500	"	0.0333	ND	44.6	40-140	26.2	30	
Benzo (b) fluoranthene	0.0146	0.00500	"	0.0333	ND	43.9	40-140	26.0	30	
Benzo (k) fluoranthene	0.0145	0.00500	"	0.0333	ND	43.4	40-140	18.5	30	
Chrysene	0.0156	0.00500	"	0.0333	ND	46.7	40-140	31.0	30	QR-02
Dibenz (a,h) anthracene	0.0143	0.00500	"	0.0333	ND	42.8	40-140	24.4	30	
Fluoranthene	0.0164	0.00500	"	0.0333	ND	49.1	40-140	27.3	30	
Fluorene	0.0184	0.00500	"	0.0333	ND	55.1	40-140	22.1	30	
Indeno (1,2,3-cd) pyrene	0.0178	0.00500	"	0.0333	ND	53.4	40-140	22.0	30	
Pyrene	0.0172	0.00500	"	0.0333	ND	51.5	40-140	30.5	30	QR-02
1-Methylnaphthalene	0.0145	0.00500	"	0.0333	ND	43.4	40-140	39.9	30	QR-02
2-Methylnaphthalene	0.0136	0.00500	"	0.0333	ND	40.7	40-140	36.0	30	QR-02
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0141</i>		<i>"</i>	<i>0.0333</i>		<i>42.4</i>	<i>40-140</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0157</i>		<i>"</i>	<i>0.0333</i>		<i>47.0</i>	<i>40-140</i>			

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: Chevron - Gus LD Pad

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 12/30/24 07:16

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 BHL1183 - EPA 3050B

Blank (BHL1183-BLK1)

Prepared: 12/26/24 Analyzed: 12/27/24

Boron ND 2.00 mg/L

LCS (BHL1183-BS1)

Prepared: 12/26/24 Analyzed: 12/27/24

Boron 4.65 2.00 mg/L 5.00 93.1 80-120

Duplicate (BHL1183-DUP1)

Source: 2411444-17

Prepared: 12/26/24 Analyzed: 12/27/24

Boron 0.0992 2.00 mg/L 0.134 30.0 20 QR-01

Matrix Spike (BHL1183-MS1)

Source: 2411444-17

Prepared: 12/26/24 Analyzed: 12/27/24

Boron 4.83 2.00 mg/L 5.00 0.134 93.8 75-125

Matrix Spike Dup (BHL1183-MSD1)

Source: 2411444-17

Prepared: 12/26/24 Analyzed: 12/27/24

Boron 4.90 2.00 mg/L 5.00 0.134 95.3 75-125 1.46 25

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: Chevron - Gus LD Pad

Project Number: [none]
Project Manager: Paul Henchan

Reported:
12/30/24 07:16

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHL0913 - EPA 3050B

Blank (BHL0913-BLK1)

Prepared: 12/19/24 Analyzed: 12/26/24

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 (BHL0913-BS1)

Prepared: 12/19/24 Analyzed: 12/26/24

Arsenic	40.2	0.200	mg/kg wet	39.1	103	80-120
Barium	38.8	0.400	"	39.1	99.3	80-120
Cadmium	1.93	0.200	"	1.95	98.8	80-120
Copper	39.5	0.400	"	39.1	101	80-120
Lead	19.7	0.200	"	19.5	101	80-120
Nickel	39.2	0.400	"	39.1	100	80-120
Silver	1.94	0.0200	"	1.95	99.2	80-120
Zinc	39.9	0.400	"	39.1	102	80-120
Selenium	4.21	0.260	"	3.91	108	80-120

Duplicate (BHL0913-DUP1)

Source: 2411412-01

Prepared: 12/19/24 Analyzed: 12/26/24

Arsenic	1.12	0.200	mg/kg dry	0.855	26.7	20	QR-01
Barium	121	0.400	"	112	8.13	20	
Cadmium	0.181	0.200	"	0.113	45.8	20	QR-01
Copper	1.88	0.400	"	1.57	18.0	20	
Lead	5.93	0.200	"	4.23	33.6	20	QR-04
Nickel	2.40	0.400	"	2.04	16.6	20	
Silver	0.0377	0.0200	"	0.0199	61.5	20	QR-01
Zinc	7.54	0.400	"	6.32	17.7	20	
Selenium	ND	0.260	"	ND		20	

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: Chevron - Gus LD Pad

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 12/30/24 07:16

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 BHL0913 - EPA 3050B

Matrix Spike (BHL0913-MS1)

Source: 2411412-01

Prepared: 12/19/24 Analyzed: 12/26/24

Arsenic	13.6	0.200	mg/kg dry	43.3	0.855	29.4	75-125				QM-05
Barium	171	0.400	"	43.3	112	138	75-125				QM-05
Cadmium	2.36	0.200	"	2.16	0.113	104	75-125				
Copper	13.8	0.400	"	43.3	1.57	28.4	75-125				QM-05
Lead	25.0	0.200	"	21.6	4.23	96.2	75-125				
Nickel	14.6	0.400	"	43.3	2.04	28.9	75-125				QM-05
Silver	2.18	0.0200	"	2.16	0.0199	99.7	75-125				
Zinc	19.7	0.400	"	43.3	6.32	30.8	75-125				QM-05
Selenium	4.46	0.260	"	4.33	ND	103	75-125				

Matrix Spike Dup (BHL0913-MSD1)

Source: 2411412-01

Prepared: 12/19/24 Analyzed: 12/26/24

Arsenic	13.1	0.200	mg/kg dry	44.3	0.855	27.7	75-125	3.45	25		QM-05
Barium	192	0.400	"	44.3	112	181	75-125	11.3	25		QM-05
Cadmium	2.30	0.200	"	2.21	0.113	98.8	75-125	2.64	25		
Copper	13.7	0.400	"	44.3	1.57	27.3	75-125	1.24	25		QM-05
Lead	25.5	0.200	"	22.1	4.23	96.1	75-125	1.88	25		
Nickel	14.4	0.400	"	44.3	2.04	27.9	75-125	1.15	25		QM-05
Silver	2.16	0.0200	"	2.21	0.0199	96.7	75-125	0.597	25		
Zinc	20.1	0.400	"	44.3	6.32	31.2	75-125	2.34	25		QM-05
Selenium	4.59	0.260	"	4.43	ND	104	75-125	2.74	25		

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: Chevron - Gus LD Pad

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 12/30/24 07:16

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

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

Batch BHL1003 - 3060A Mod

Blank (BHL1003-BLK1)

Prepared & Analyzed: 12/20/24

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BHL1003-BS1)

Prepared & Analyzed: 12/20/24

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

Duplicate (BHL1003-DUP1)

Source: 2411460-01

Prepared & Analyzed: 12/20/24

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BHL1003-MS1)

Source: 2411460-01

Prepared & Analyzed: 12/20/24

Chromium, Hexavalent 30.9 0.30 mg/kg dry 30.2 ND 102 75-125

Matrix Spike Dup (BHL1003-MSD1)

Source: 2411460-01

Prepared & Analyzed: 12/20/24

Chromium, Hexavalent 27.8 0.30 mg/kg dry 29.9 ND 93.2 75-125 10.4 20

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: Chevron - Gus LD Pad

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 12/30/24 07:16

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 BHL0920 - General Preparation

Blank (BHL0920-BLK1)

Prepared: 12/19/24 Analyzed: 12/27/24

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

LCS (BHL0920-BS1)

Prepared: 12/19/24 Analyzed: 12/27/24

Calcium	4.67	0.0500	mg/L wet	5.00		93.4	70-130			
Magnesium	4.83	0.0500	"	5.00		96.6	70-130			
Sodium	4.92	0.0500	"	5.00		98.4	70-130			

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: Chevron - Gus LD Pad

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 12/30/24 07:16

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

Summit Scientific

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

Batch BHL0494 - General Preparation

Duplicate (BHL0494-DUP1)	Source: 2411421-02		Prepared: 12/11/24 Analyzed: 12/12/24	
% Solids	89.8	%	89.8	0.00779 20

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: Chevron - Gus LD Pad

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 12/30/24 07:16

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 BHL0936 - General Preparation

Blank (BHL0936-BLK1)

Prepared: 12/19/24 Analyzed: 12/26/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BHL0936-BS1)

Prepared: 12/19/24 Analyzed: 12/26/24

Specific Conductance (EC) 0.151 0.0100 mmhos/cm 0.150 101 95-105

Duplicate (BHL0936-DUP1)

Source: 2411460-01

Prepared: 12/19/24 Analyzed: 12/26/24

Specific Conductance (EC) 1.31 0.0100 mmhos/cm 1.33 1.29 20

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: Chevron - Gus LD Pad

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 12/30/24 07:16

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 BHL0928 - General Preparation

LCS (BHL0928-BS1)

Prepared: 12/19/24 Analyzed: 12/26/24

pH	9.11	pH Units	9.18	99.2	95-105
----	------	----------	------	------	--------

Duplicate (BHL0928-DUP1)

Source: 2411460-01

Prepared: 12/19/24 Analyzed: 12/26/24

pH	8.07	pH Units	8.04	0.372	20
----	------	----------	------	-------	----

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: Chevron - Gus LD Pad

Project Number: [none]
Project Manager: Paul Henchan

Reported:
12/30/24 07:16

Notes and Definitions

- QR-04 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.
- QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- 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.
- 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