

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

September 30, 2024

Justin Onwiler

ERM

555 17th St

Denver, CO 80202

RE: Chevron RBU - HSR Hoffman #3-24

Work Order #2409346

Enclosed are the results of analyses for samples received by Summit Scientific on 09/23/24 13:33. 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



ERM
555 17th St
Denver CO, 80202

Project: Chevron RBU - HSR Hoffman #3-24

Project Number: UWRWE-A3150-ABN 0736294

Project Manager: Justin Onwiler

Reported:
09/30/24 08:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
27990-FL-03-N-1-20240923	2409346-01	Soil	09/23/24 09:50	09/23/24 13:33
27990-FL-03-N-2-20240923	2409346-02	Soil	09/23/24 09:55	09/23/24 13:33
27990-FL-03-N-4-20240923	2409346-03	Soil	09/23/24 10:05	09/23/24 13:33
27990-FL-03-E-1-20240923	2409346-04	Soil	09/23/24 09:25	09/23/24 13:33
27990-FL-03-E-2-20240923	2409346-05	Soil	09/23/24 09:30	09/23/24 13:33
27990-FL-03-E-4-20240923	2409346-06	Soil	09/23/24 09:40	09/23/24 13:33
27990-FL-03-S-1-20240923	2409346-07	Soil	09/23/24 09:00	09/23/24 13:33
27990-FL-03-S-2-20240923	2409346-08	Soil	09/23/24 09:05	09/23/24 13:33
27990-FL-03-S-4-20240923	2409346-09	Soil	09/23/24 09:15	09/23/24 13:33
27990-FL-03-W-1-20240923	2409346-10	Soil	09/23/24 10:15	09/23/24 13:33
27990-FL-03-W-2-20240923	2409346-11	Soil	09/23/24 10:20	09/23/24 13:33
27990-FL-03-W-4-20240923	2409346-12	Soil	09/23/24 10:30	09/23/24 13:33



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

Lab ID	Page 1 of 1
2409346	

Send Data To:		Send Invoice To:	
Client: ERM	Project Manager: Justin Onweiler	Company: Chevron - RBU	
Address: 555 1 7th St 1700	E-Mail: justin.onweiler@erm.com	Project Name/Location: Chevron/HSR Hoffman #3-24	
City/State/Zip: Denver, CO 80202		AFE#: UWRWEA3150ABN	
Phone:	Project Name: Chevron RBU - HSR Hoffman #3-24	PO/Billing Codes:	
Sampler Name: SJ, NB, NS, CP, MA, NB	Project Number: 0736294	Contact: Dan Peterson	

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested				Special Instructions		
					HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	pH by 9045D	Arsenic by EPA 6020B					
1	27990-FL-03-N-1-202409 23	9/23/24	950	1						x				x	x				
2	27990-FL-03-N-2-202409 23		955	1						x				x	x				
3	27990-FL-03-N-4-202409 23		1005	1						x				x	x				
4	27990-FL-03-E-1-202409 23		925	1						x				x	x				
5	27990-FL-03-E-2-202409 23		930	1						x				x	x				
6	27990-FL-03-E-4-202409 23		940	1						x				x	x				
7	27990-FL-03-S-1-202409 23		900	1						x				x	x				
8	27990-FL-03-S-2-202409 23		905	1						x				x	x				
9	27990-FL-03-S-4-202409 23		915	1						x				x	x				
10	27990-FL-03-W-1-202409 23		1015	1						x				x	x				
11	27990-FL-03-W-2-202409 23		1020	1						x				x	x				
12	27990-FL-03-W-4-202409 23		1030	1						x				x	x				
13																			
14																			
15																			

Relinquished by: <i>Mohd An</i>	Date/Time: 09/23/24 13:34	Received by: <i>Natalie Respin</i>	Date/Time: 9/23/24 13:33	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.	
				Standard	X	Field Turb.
Temperature Upon Receipt: 6.2	Corrected Temperature: 0	IR gun #: 2	HNO3 lot #:			

S₂

Sample Receipt Checklist

S2 Work Order# 240934p

Client: ERM Client Project ID: HSR Hoffman #3-24

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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples due within 48 hours present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe ²⁺), Hexavalent Chromium (Cr ⁶⁺ , Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out Completely? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact? ⁽¹⁾	<input type="checkbox"/>	<input checked="" 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):

* evidence of water contamination from cooler ice

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.

Natalie Tessier
Custodian Printed Name

Date/Time



ERM
555 17th St
Denver CO, 80202

Project: Chevron RBU - HSR Hoffman #3-24
Project Number: UWRWE-A3150-ABN 0736294
Project Manager: Justin Onwiler

Reported:
09/30/24 08:08

27990-FL-03-N-1-20240923
2409346-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **09/23/24 09:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	1.82	0.200	mg/kg dry	1	BHI0861	09/25/24	09/27/24	EPA 6020B	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/23/24 09:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	79.5		%	1	BHI0821	09/24/24	09/24/24	Calculation	

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

Date Sampled: **09/23/24 09:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.6		pH Units	1	BHI0817	09/24/24	09/25/24	EPA 9045D	

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ERM
555 17th St
Denver CO, 80202

Project: Chevron RBU - HSR Hoffman #3-24
Project Number: UWRWE-A3150-ABN 0736294
Project Manager: Justin Onwiler

Reported:
09/30/24 08:08

27990-FL-03-N-2-20240923
2409346-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **09/23/24 09:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	2.06	0.200	mg/kg dry	1	BHI0861	09/25/24	09/27/24	EPA 6020B	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/23/24 09:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	90.9		%	1	BHI0821	09/24/24	09/24/24	Calculation	

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

Date Sampled: **09/23/24 09:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.6		pH Units	1	BHI0817	09/24/24	09/25/24	EPA 9045D	

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ERM
555 17th St
Denver CO, 80202

Project: Chevron RBU - HSR Hoffman #3-24

Project Number: UWRWE-A3150-ABN 0736294
Project Manager: Justin Onwiler

Reported:
09/30/24 08:08

27990-FL-03-N-4-20240923
2409346-03 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **09/23/24 10:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.13	0.200	mg/kg dry	1	BHI0861	09/25/24	09/27/24	EPA 6020B	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/23/24 10:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	83.3		%	1	BHI0821	09/24/24	09/24/24	Calculation	

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

Date Sampled: **09/23/24 10:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.7		pH Units	1	BHI0817	09/24/24	09/25/24	EPA 9045D	

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555 17th St
Denver CO, 80202

Project: Chevron RBU - HSR Hoffman #3-24
Project Number: UWRWE-A3150-ABN 0736294
Project Manager: Justin Onwiler

Reported:
09/30/24 08:08

27990-FL-03-E-1-20240923
2409346-04 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **09/23/24 09:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	1.64	0.200	mg/kg dry	1	BHI0861	09/25/24	09/27/24	EPA 6020B	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/23/24 09:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	88.8		%	1	BHI0821	09/24/24	09/24/24	Calculation	

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

Date Sampled: **09/23/24 09:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.9		pH Units	1	BHI0817	09/24/24	09/25/24	EPA 9045D	

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555 17th St
Denver CO, 80202

Project: Chevron RBU - HSR Hoffman #3-24
Project Number: UWRWE-A3150-ABN 0736294
Project Manager: Justin Onwiler

Reported:
09/30/24 08:08

27990-FL-03-E-2-20240923
2409346-05 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **09/23/24 09:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	1.94	0.200	mg/kg dry	1	BHI0861	09/25/24	09/27/24	EPA 6020B	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/23/24 09:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	89.6		%	1	BHI0821	09/24/24	09/24/24	Calculation	

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

Date Sampled: **09/23/24 09:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.1		pH Units	1	BHI0817	09/24/24	09/25/24	EPA 9045D	

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ERM
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Denver CO, 80202

Project: Chevron RBU - HSR Hoffman #3-24

Project Number: UWRWE-A3150-ABN 0736294
Project Manager: Justin Onwiler

Reported:
09/30/24 08:08

27990-FL-03-E-4-20240923
2409346-06 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **09/23/24 09:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	1.72	0.200	mg/kg dry	1	BHI0861	09/25/24	09/27/24	EPA 6020B	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/23/24 09:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	83.9		%	1	BHI0821	09/24/24	09/24/24	Calculation	

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

Date Sampled: **09/23/24 09:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.3		pH Units	1	BHI0817	09/24/24	09/25/24	EPA 9045D	

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ERM
555 17th St
Denver CO, 80202

Project: Chevron RBU - HSR Hoffman #3-24
Project Number: UWRWE-A3150-ABN 0736294
Project Manager: Justin Onwiler

Reported:
09/30/24 08:08

27990-FL-03-S-1-20240923
2409346-07 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **09/23/24 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	1.51	0.200	mg/kg dry	1	BHI0861	09/25/24	09/27/24	EPA 6020B	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/23/24 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	88.2		%	1	BHI0821	09/24/24	09/24/24	Calculation	

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

Date Sampled: **09/23/24 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.7		pH Units	1	BHI0817	09/24/24	09/25/24	EPA 9045D	

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ERM
555 17th St
Denver CO, 80202

Project: Chevron RBU - HSR Hoffman #3-24
Project Number: UWRWE-A3150-ABN 0736294
Project Manager: Justin Onwiler

Reported:
09/30/24 08:08

27990-FL-03-S-2-20240923
2409346-08 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **09/23/24 09:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.51	0.200	mg/kg dry	1	BHI0861	09/25/24	09/27/24	EPA 6020B	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/23/24 09:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	89.1		%	1	BHI0821	09/24/24	09/24/24	Calculation	

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

Date Sampled: **09/23/24 09:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.2		pH Units	1	BHI0817	09/24/24	09/25/24	EPA 9045D	

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Denver CO, 80202

Project: Chevron RBU - HSR Hoffman #3-24
Project Number: UWRWE-A3150-ABN 0736294
Project Manager: Justin Onwiler

Reported:
09/30/24 08:08

27990-FL-03-S-4-20240923
2409346-09 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **09/23/24 09:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	2.17	0.200	mg/kg dry	1	BHI0861	09/25/24	09/27/24	EPA 6020B	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/23/24 09:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	84.5		%	1	BHI0821	09/24/24	09/24/24	Calculation	

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

Date Sampled: **09/23/24 09:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.4		pH Units	1	BHI0817	09/24/24	09/25/24	EPA 9045D	

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555 17th St
Denver CO, 80202

Project: Chevron RBU - HSR Hoffman #3-24

Project Number: UWRWE-A3150-ABN 0736294
Project Manager: Justin Onwiler

Reported:
09/30/24 08:08

27990-FL-03-W-1-20240923
2409346-10 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **09/23/24 10:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	1.75	0.200	mg/kg dry	1	BHI0861	09/25/24	09/27/24	EPA 6020B	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/23/24 10:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	93.3		%	1	BHI0821	09/24/24	09/24/24	Calculation	

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

Date Sampled: **09/23/24 10:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.8		pH Units	1	BHI0817	09/24/24	09/25/24	EPA 9045D	

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Project: Chevron RBU - HSR Hoffman #3-24

Project Number: UWRWE-A3150-ABN 0736294
Project Manager: Justin Onwiler

Reported:
09/30/24 08:08

27990-FL-03-W-2-20240923
2409346-11 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **09/23/24 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	1.52	0.200	mg/kg dry	1	BHI0861	09/25/24	09/27/24	EPA 6020B	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/23/24 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	84.6		%	1	BHI0821	09/24/24	09/24/24	Calculation	

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

Date Sampled: **09/23/24 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.2		pH Units	1	BHI0817	09/24/24	09/25/24	EPA 9045D	

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Project: Chevron RBU - HSR Hoffman #3-24
Project Number: UWRWE-A3150-ABN 0736294
Project Manager: Justin Onwiler

Reported:
09/30/24 08:08

27990-FL-03-W-4-20240923
2409346-12 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **09/23/24 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.22	0.200	mg/kg dry	1	BHI0861	09/25/24	09/27/24	EPA 6020B	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/23/24 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	88.5		%	1	BHI0821	09/24/24	09/24/24	Calculation	

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

Date Sampled: **09/23/24 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.2		pH Units	1	BHI0817	09/24/24	09/25/24	EPA 9045D	

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ERM
555 17th St
Denver CO, 80202

Project: Chevron RBU - HSR Hoffman #3-24

Project Number: UWRWE-A3150-ABN 0736294
Project Manager: Justin Onwiler

Reported:
09/30/24 08:08

Total Metals by EPA 6020B - Quality Control

Summit Scientific

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

Batch BHI0861 - EPA 3050B

Blank (BHI0861-BLK1)

Prepared: 09/25/24 Analyzed: 09/27/24

Arsenic ND 0.200 mg/kg wet

LCS (BHI0861-BS1)

Prepared: 09/25/24 Analyzed: 09/27/24

Arsenic 33.8 0.200 mg/kg wet 37.6 90.0 80-120

Duplicate (BHI0861-DUP1)

Source: 2409346-01

Prepared: 09/25/24 Analyzed: 09/27/24

Arsenic 1.67 0.181 mg/kg dry 1.82 8.42 20

Matrix Spike (BHI0861-MS1)

Source: 2409346-01

Prepared: 09/25/24 Analyzed: 09/27/24

Arsenic 44.2 0.200 mg/kg dry 49.1 1.82 86.2 75-125

Matrix Spike Dup (BHI0861-MSD1)

Source: 2409346-01

Prepared: 09/25/24 Analyzed: 09/27/24

Arsenic 42.1 0.200 mg/kg dry 48.0 1.82 84.0 75-125 4.64 25

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

Project: Chevron RBU - HSR Hoffman #3-24

Project Number: UWRWE-A3150-ABN 0736294
Project Manager: Justin Onwiler

Reported:
09/30/24 08:08

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 BHI0821 - General Preparation

Duplicate (BHI0821-DUP1)

Source: 2409320-32

Prepared & Analyzed: 09/24/24

% Solids	88.4		%		88.2			0.151		20	
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Summit Scientific

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ERM
555 17th St
Denver CO, 80202

Project: Chevron RBU - HSR Hoffman #3-24

Project Number: UWRWE-A3150-ABN 0736294
Project Manager: Justin Onwiler

Reported:
09/30/24 08:08

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 BHI0817 - General Preparation

LCS (BHI0817-BS1)

Prepared: 09/24/24 Analyzed: 09/25/24

pH	9.2	pH Units	9.18	100	95-105
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Duplicate (BHI0817-DUP1)

Source: 2409320-33

Prepared: 09/24/24 Analyzed: 09/25/24

pH	8.3	pH Units	8.4	0.240	20
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Summit Scientific

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ERM
555 17th St
Denver CO, 80202

Project: Chevron RBU - HSR Hoffman #3-24
Project Number: UWRWE-A3150-ABN 0736294
Project Manager: Justin Onwiler

Reported:
09/30/24 08:08

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