

# Summit Scientific

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4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

June 03, 2025

David Stainback

CDH Consulting

9446 Clermont St.

Thornton, CO 80119

RE: Chevron - UPRC 35-6

Work Order #2504456

Enclosed are the results of analyses for samples received by Summit Scientific on 04/30/25 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

Natalie Tessier For Paul Shrewsbury

President



CDH Consulting  
9446 Clermont St.  
Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]  
Project Manager: David Stainback

**Reported:**  
06/03/25 08:26

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH01@8'	2504456-01	Soil	04/30/25 10:48	04/30/25 16:30
WH01-S@4'	2504456-02	Soil	04/30/25 11:05	04/30/25 16:30
WH01-E@4'	2504456-03	Soil	04/30/25 11:10	04/30/25 16:30
WH01-N@4'	2504456-04	Soil	04/30/25 11:15	04/30/25 16:30
WH01-W@4'	2504456-05	Soil	04/30/25 12:00	04/30/25 16:30
BKG01@4'	2504456-06	Soil	04/30/25 11:50	04/30/25 16:30
BKG02@4'	2504456-07	Soil	04/30/25 11:55	04/30/25 16:30
BKG01@8'	2504456-08	Soil	04/30/25 12:05	04/30/25 16:30
BKG02@8'	2504456-09	Soil	04/30/25 12:10	04/30/25 16:30
GW01@6'	2504456-10	Water	04/30/25 11:25	04/30/25 16:30

# SUMMIT SCIENTIFIC

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

Lab ID	Page 1 of 1
2504456	

Client: <u>COH Consulting</u>	Send Data To: Project Manager: <u>David Stainback</u>	Send Invoice To: Company: <u>Chevron - Jason Davidson</u>
Address: <u>94th &amp; Cherokee St</u>	E-Mail: <u>CVX-PM@cohconsult.com</u>	Project Name/Location:
City/State/Zip: <u>Thornton CO</u>	CC: <u>RBUEVF27@chevron.com</u>	AFE#:
Phone: <u>(970) 403-4108</u>	Project Name: <u>VPRC 35-6</u>	PO/Billing Codes:
Sampler Name: <u>Eliza both Natica</u>	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	Full Table 915-1	Table 915-1 Metals	pH, EC, SAR	Baron	BIEXN, TMBs	TDS		Chloride, sulfate	
1	WH01 @ 8'	4/30/25	1048	2			X			X				X							* All Table 915-1 Organics on SAME DAY TAT *
2	WH01-S @ 4'		1105											X							
3	WH01-E @ 4'		1110											X							
4	WH01-N @ 4'		1118											X							
5	WH01-W @ 4'		1200											X							
6	BK601 @ 4'		1150												X	X	X				
7	BK602 @ 4'		1155												X	X	X				
8	BK601 @ 8'		1265												X	X	X				
9	BK602 @ 8'		1210												X	X	X				
10	GW01 @ 6'	↓	1125	4	X		X		X									X	X	X	
11																					
12																					
13																					
14																					
15																					

Relinquished by: <u>[Signature]</u>	Date/Time: <u>4/30/25 @ 1339</u>	Received by: <u>[Signature]</u>	Date/Time: <u>4/30/25 @ 1630</u>	TAT Business Days	Field DO	Notes:
				Same Day	X Field EC	
Relinquished by: <u>SL</u>	Date/Time: <u>4/30/25 @ 1630</u>	Received by: <u>[Signature]</u>	Date/Time: <u>4/30/25 @ 1630</u>	1 Day	Field ORP	
				2 Days	Field pH	
Relinquished by: <u>[Signature]</u>	Date/Time: <u>4/30/25 @ 1630</u>	Received by: <u>[Signature]</u>	Date/Time: <u>4/30/25 @ 1630</u>	3 Days	X Field Temp.	
				Standard	Field Turb.	
Temperature Upon Receipt: <u>7.9</u>	Corrected Temperature: <u>0</u>	IR gun #:	HNO3 lot #:			

# S<sub>2</sub>

S2 Work Order# 2504456

### Sample Receipt Checklist

Client: CDH Client Project ID: UPRC 3510  
Received Via: H.D./P.U./FedEx/UPS/USPS/Other  Airbill #: \_\_\_\_\_  
Matrix (Circle all that apply) Air/Soil/Water/Other  Temp (°C) 7.9 Thermometer # 1  
Bottle ware (Circle all that apply) Glass Jar/Vial/Amber/Poly/Other

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? <sup>(1)</sup> <b>NOTE:</b> If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	-			<u>an ICE</u>
If custody seals are present, are they intact? <sup>(1)</sup>	-			
Are samples due within 48 hours?	-			<u>Sameday / 3 days</u>
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/ Nitrite, Ferrous Iron (Fe <sup>2+</sup> ), Hexavalent Chromium (Cr <sup>6+</sup> , Cr VI), COD, Total Residual Chlorine (TRC)		-		
Is a chain-of-custody (COC) form present and filled out Completely? <sup>(1)</sup>	-			
Is the COC properly relinquished by the client w/ date and time recorded? <sup>(1)</sup>	-			
Were all samples received intact? <sup>(1)</sup>	✓			
Was adequate sample volume provided? <sup>(1)</sup>	✓			
Were samples provided in appropriate bottle ware?	✓			
Does the COC agree with the number and type of sample bottles received? <sup>(1)</sup>	✓			
Do the sample IDs on the bottle labels match the COC? <sup>(1)</sup>	✓			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	✓			<u>Headspace</u>
Are any samples/bottles preserved (excluding cooling)? <sup>(1)</sup> Note the type of preservative in the comments column – HCl, H <sub>2</sub> SO <sub>4</sub> , NaOH, HNO <sub>3</sub> , etc.		✓		<u>HCl</u>
If samples are acid preserved for metals, is the pH ≤ 2? <sup>(1)</sup> Record the pH in Comments.			✓	
If dissolved metals are requested, were samples field filtered?			✓	
Are there requested analysis that cannot be performed by S2? Note analysis in the comments column			✓	
<u>Additional Comments (if any):</u>				
<sup>(1)</sup> If NO, then contact the client before proceeding with analysis and note in case narrative.				

Control Form #: SRC-001

AS  
Custodian Printed Name4/30/25  
Date/Time



CDH Consulting  
9446 Clermont St.  
Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]  
Project Manager: David Stainback

**Reported:**  
06/03/25 08:26

**WH01@8'**  
**2504456-01 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **04/30/25 10:48**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BID1638	04/30/25	04/30/25	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: **04/30/25 10:48**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0457	114 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0395	98.8 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0408	102 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/30/25 10:48**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BID1641	04/30/25	04/30/25	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **04/30/25 10:48**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	11.6	92.8 %		50-140		"	"	"	"	

**PAH by EPA Method 8270D SIM**

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Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]  
Project Manager: David Stainback

**Reported:**  
06/03/25 08:26

**WH01@8'**  
**2504456-01 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **04/30/25 10:48**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIE0096	05/02/25	05/27/25	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	"	"	"	"	"	"	
<b>2-Methylnaphthalene</b>	<b>0.0102</b>	0.00500	"	"	"	"	"	"	

Date Sampled: **04/30/25 10:48**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0169	50.7 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0185	55.4 %	40-140		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **04/30/25 10:48**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L dry	1	BIE0002	05/01/25	05/01/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **04/30/25 10:48**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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9446 Clermont St.  
Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]  
Project Manager: David Stainback

**Reported:**  
06/03/25 08:26

**WH01@8'**  
**2504456-01 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	0.454	0.200	mg/kg dry	1	BIE0009	05/01/25	05/01/25	EPA 6020B	
Barium	43.6	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.44	0.400	"	"	"	"	"	"	
Lead	6.98	0.200	"	"	"	"	"	"	
Nickel	1.08	0.400	"	"	"	"	"	"	
Silver	0.0276	0.0200	"	"	"	"	"	"	
Zinc	5.74	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

**Hexavalent Chromium by HACH M8023**

Date Sampled: **04/30/25 10:48**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIE0015	05/01/25	05/01/25	Hach 8000	

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

Date Sampled: **04/30/25 10:48**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	48.8	0.0500	mg/L dry	1	BID1646	04/30/25	05/01/25	EPA 6020B	
Magnesium	13.9	0.0500	"	"	"	"	"	"	
Sodium	92.3	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **04/30/25 10:48**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	3.00	0.00100	units	1	BIE0103	05/02/25	05/02/25	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

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 9446 Clermont St.  
 Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]

Project Manager: David Stainback

**Reported:**  
 06/03/25 08:26

**WH01@8'**  
**2504456-01 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **04/30/25 10:48**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	84.1		%	1	BIE0005	05/01/25	05/01/25	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **04/30/25 10:48**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.03	0.0100	mmhos/cm	1	BID1648	04/30/25	05/01/25	EPA 120.1	

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

Date Sampled: **04/30/25 10:48**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.84		pH Units	1	BID1647	04/30/25	05/01/25	EPA 9045D	

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Project: Chevron - UPRC 35-6

Project Number: [none]  
Project Manager: David Stainback

**Reported:**  
06/03/25 08:26

**WH01-S@4'**  
**2504456-02 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **04/30/25 11:05**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BID1638	04/30/25	04/30/25	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: **04/30/25 11:05**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0471	118 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0398	99.4 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0410	102 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/30/25 11:05**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BID1641	04/30/25	04/30/25	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **04/30/25 11:05**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	11.3	90.1 %		50-140		"	"	"	"	

**PAH by EPA Method 8270D SIM**

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Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]  
Project Manager: David Stainback

**Reported:**  
06/03/25 08:26

**WH01-S@4'**  
**2504456-02 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **04/30/25 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIE0096	05/02/25	05/27/25	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	"	"	"	"	"	"	
<b>2-Methylnaphthalene</b>	<b>0.00924</b>	0.00500	"	"	"	"	"	"	

Date Sampled: **04/30/25 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0220	65.9 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0177	53.2 %	40-140		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **04/30/25 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L dry	1	BIE0002	05/01/25	05/01/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **04/30/25 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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9446 Clermont St.  
Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]  
Project Manager: David Stainback

**Reported:**  
06/03/25 08:26

**WH01-S@4'**  
**2504456-02 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	0.469	0.200	mg/kg dry	1	BIE0009	05/01/25	05/01/25	EPA 6020B	
Barium	45.1	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.06	0.400	"	"	"	"	"	"	
Lead	3.36	0.200	"	"	"	"	"	"	
Nickel	1.11	0.400	"	"	"	"	"	"	
Silver	0.0236	0.0200	"	"	"	"	"	"	
Zinc	4.49	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

**Hexavalent Chromium by HACH M8023**

Date Sampled: **04/30/25 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIE0015	05/01/25	05/01/25	Hach 8000	

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

Date Sampled: **04/30/25 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	360	0.0500	mg/L dry	1	BID1646	04/30/25	05/01/25	EPA 6020B	
Magnesium	90.9	0.0500	"	"	"	"	"	"	
Sodium	120	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **04/30/25 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.46	0.00100	units	1	BIE0103	05/02/25	05/02/25	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

Summit Scientific

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CDH Consulting  
 9446 Clermont St.  
 Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]

Project Manager: David Stainback

**Reported:**  
 06/03/25 08:26

**WH01-S@4'**  
**2504456-02 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **04/30/25 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	86.4		%	1	BIE0005	05/01/25	05/01/25	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **04/30/25 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.781	0.0100	mmhos/cm	1	BID1648	04/30/25	05/01/25	EPA 120.1	

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

Date Sampled: **04/30/25 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.76		pH Units	1	BID1647	04/30/25	05/01/25	EPA 9045D	

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9446 Clermont St.  
Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]  
Project Manager: David Stainback

**Reported:**  
06/03/25 08:26

**WH01-E@4'**  
**2504456-03 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **04/30/25 11:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BID1638	04/30/25	04/30/25	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: **04/30/25 11:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0451	113 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0395	98.8 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0404	101 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/30/25 11:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BID1641	04/30/25	04/30/25	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **04/30/25 11:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	11.1	89.1 %		50-140		"	"	"	"	

**PAH by EPA Method 8270D SIM**

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Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]  
Project Manager: David Stainback

**Reported:**  
06/03/25 08:26

**WH01-E@4'**  
**2504456-03 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **04/30/25 11:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIE0096	05/02/25	05/27/25	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	"	"	"	"	"	"	
<b>2-Methylnaphthalene</b>	<b>0.00880</b>	0.00500	"	"	"	"	"	"	

Date Sampled: **04/30/25 11:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0168	50.5 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0194	58.1 %	40-140		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **04/30/25 11:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L dry	1	BIE0002	05/01/25	05/01/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **04/30/25 11:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]  
Project Manager: David Stainback

**Reported:**  
06/03/25 08:26

**WH01-E@4'**  
**2504456-03 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	0.444	0.200	mg/kg dry	1	BIE0009	05/01/25	05/01/25	EPA 6020B	
Barium	41.9	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	0.969	0.400	"	"	"	"	"	"	
Lead	6.10	0.200	"	"	"	"	"	"	
Nickel	1.23	0.400	"	"	"	"	"	"	
Silver	0.0246	0.0200	"	"	"	"	"	"	
Zinc	3.82	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

**Hexavalent Chromium by HACH M8023**

Date Sampled: **04/30/25 11:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIE0015	05/01/25	05/01/25	Hach 8000	

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

Date Sampled: **04/30/25 11:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	34.7	0.0500	mg/L dry	1	BID1646	04/30/25	05/01/25	EPA 6020B	
Magnesium	10.4	0.0500	"	"	"	"	"	"	
Sodium	64.8	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **04/30/25 11:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	2.48	0.00100	units	1	BIE0103	05/02/25	05/02/25	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

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 Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]  
 Project Manager: David Stainback

**Reported:**  
 06/03/25 08:26

**WH01-E@4'**  
**2504456-03 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **04/30/25 11:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	<b>84.0</b>		%	1	BIE0005	05/01/25	05/01/25	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **04/30/25 11:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	<b>0.535</b>	0.0100	mmhos/cm	1	BID1648	04/30/25	05/01/25	EPA 120.1	

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

Date Sampled: **04/30/25 11:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	<b>7.67</b>		pH Units	1	BID1647	04/30/25	05/01/25	EPA 9045D	

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Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]  
Project Manager: David Stainback

**Reported:**  
06/03/25 08:26

**WH01-N@4'**  
**2504456-04 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **04/30/25 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BID1638	04/30/25	04/30/25	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: **04/30/25 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0460	115 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0396	99.0 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0409	102 %	50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/30/25 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BID1641	04/30/25	04/30/25	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/30/25 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	9.98	79.8 %	50-140		"	"	"	"	

**PAH by EPA Method 8270D SIM**

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Project: Chevron - UPRC 35-6

Project Number: [none]  
Project Manager: David Stainback

**Reported:**  
06/03/25 08:26

**WH01-N@4'**  
**2504456-04 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **04/30/25 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIE0096	05/02/25	05/27/25	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	"	"	"	"	"	"	
<b>2-Methylnaphthalene</b>	<b>0.00855</b>	0.00500	"	"	"	"	"	"	

Date Sampled: **04/30/25 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0129	38.8 %	40-140		"	"	"	"	S-09
Surrogate: Fluoranthene-d10	0.0153	45.8 %	40-140		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **04/30/25 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L dry	1	BIE0002	05/01/25	05/01/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **04/30/25 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]  
Project Manager: David Stainback

**Reported:**  
06/03/25 08:26

**WH01-N@4'**  
**2504456-04 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	0.352	0.200	mg/kg dry	1	BIE0009	05/01/25	05/01/25	EPA 6020B
Barium	51.2	0.400	"	"	"	"	"	"
Cadmium	ND	0.200	"	"	"	"	"	"
Copper	1.04	0.400	"	"	"	"	"	"
Lead	2.85	0.200	"	"	"	"	"	"
Nickel	1.00	0.400	"	"	"	"	"	"
Silver	0.0277	0.0200	"	"	"	"	"	"
Zinc	4.27	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

**Hexavalent Chromium by HACH M8023**

Date Sampled: **04/30/25 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIE0015	05/01/25	05/01/25	Hach 8000	

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

Date Sampled: **04/30/25 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	33.8	0.0500	mg/L dry	1	BID1646	04/30/25	05/01/25	EPA 6020B	
Magnesium	12.6	0.0500	"	"	"	"	"	"	
Sodium	101	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **04/30/25 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	3.76	0.00100	units	1	BIE0103	05/02/25	05/02/25	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

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 Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]  
 Project Manager: David Stainback

**Reported:**  
 06/03/25 08:26

**WH01-N@4'**  
**2504456-04 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **04/30/25 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	84.4		%	1	BIE0005	05/01/25	05/01/25	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **04/30/25 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.852	0.0100	mmhos/cm	1	BID1648	04/30/25	05/01/25	EPA 120.1	

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

Date Sampled: **04/30/25 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.62		pH Units	1	BID1647	04/30/25	05/01/25	EPA 9045D	

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Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]  
Project Manager: David Stainback

**Reported:**  
06/03/25 08:26

**WH01-W@4'**  
**2504456-05 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **04/30/25 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BID1638	04/30/25	05/01/25	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: **04/30/25 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0452	113 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0396	99.0 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0403	101 %	50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/30/25 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BID1641	04/30/25	04/30/25	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/30/25 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	8.36	66.9 %	50-140		"	"	"	"	

**PAH by EPA Method 8270D SIM**

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Project: Chevron - UPRC 35-6

Project Number: [none]  
Project Manager: David Stainback

**Reported:**  
06/03/25 08:26

**WH01-W@4'**  
**2504456-05 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **04/30/25 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIE0096	05/02/25	05/27/25	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	"	"	"	"	"	"	
<b>2-Methylnaphthalene</b>	<b>0.00723</b>	0.00500	"	"	"	"	"	"	

Date Sampled: **04/30/25 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0208	62.4 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0169	50.8 %	40-140		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **04/30/25 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L dry	1	BIE0002	05/01/25	05/01/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **04/30/25 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project: Chevron - UPRC 35-6

Project Number: [none]  
Project Manager: David Stainback

**Reported:**  
06/03/25 08:26

**WH01-W@4'**  
**2504456-05 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	0.571	0.200	mg/kg dry	1	BIE0009	05/01/25	05/01/25	EPA 6020B	
Barium	51.9	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.91	0.400	"	"	"	"	"	"	
Lead	9.14	0.200	"	"	"	"	"	"	
Nickel	1.34	0.400	"	"	"	"	"	"	
Silver	0.0445	0.0200	"	"	"	"	"	"	
Zinc	6.81	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

**Hexavalent Chromium by HACH M8023**

Date Sampled: **04/30/25 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIE0015	05/01/25	05/01/25	Hach 8000	

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

Date Sampled: **04/30/25 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	56.7	0.0500	mg/L dry	1	BID1646	04/30/25	05/01/25	EPA 6020B	
Magnesium	18.6	0.0500	"	"	"	"	"	"	
Sodium	102	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **04/30/25 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	3.00	0.00100	units	1	BIE0103	05/02/25	05/02/25	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

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 9446 Clermont St.  
 Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]

Project Manager: David Stainback

**Reported:**  
 06/03/25 08:26

**WH01-W@4'**  
**2504456-05 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **04/30/25 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	87.1		%	1	BIE0005	05/01/25	05/01/25	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **04/30/25 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.34	0.0100	mmhos/cm	1	BID1648	04/30/25	05/01/25	EPA 120.1	

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

Date Sampled: **04/30/25 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.85		pH Units	1	BID1647	04/30/25	05/01/25	EPA 9045D	

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Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]  
Project Manager: David Stainback

**Reported:**  
06/03/25 08:26

**BKG01@4'**  
**2504456-06 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **04/30/25 11:50**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L dry	1	BIE0002	05/01/25	05/01/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **04/30/25 11:50**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>Arsenic</b>	<b>0.438</b>	0.200	mg/kg dry	1	BIE0009	05/01/25	05/01/25	EPA 6020B	
<b>Barium</b>	<b>55.5</b>	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
<b>Copper</b>	<b>1.20</b>	0.400	"	"	"	"	"	"	
<b>Lead</b>	<b>3.99</b>	0.200	"	"	"	"	"	"	
<b>Nickel</b>	<b>1.18</b>	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
<b>Zinc</b>	<b>5.57</b>	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

**Hexavalent Chromium by HACH M8023**

Date Sampled: **04/30/25 11:50**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIE0015	05/01/25	05/01/25	Hach 8000	

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

Date Sampled: **04/30/25 11:50**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>Calcium</b>	<b>37.0</b>	0.0500	mg/L dry	1	BID1646	04/30/25	05/01/25	EPA 6020B	
<b>Magnesium</b>	<b>12.6</b>	0.0500	"	"	"	"	"	"	
<b>Sodium</b>	<b>139</b>	0.0500	"	"	"	"	"	"	

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Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]  
Project Manager: David Stainback

**Reported:**  
06/03/25 08:26

**BKG01@4'**  
**2504456-06 (Soil)**

**Summit Scientific**

**Calculated Analysis**

Date Sampled: **04/30/25 11:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	5.04	0.00100	units	1	BIE0103	05/02/25	05/02/25	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **04/30/25 11:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	83.4		%	1	BIE0005	05/01/25	05/01/25	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **04/30/25 11:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.09	0.0100	mmhos/cm	1	BID1648	04/30/25	05/01/25	EPA 120.1	

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

Date Sampled: **04/30/25 11:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.42		pH Units	1	BID1647	04/30/25	05/01/25	EPA 9045D	

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Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]  
Project Manager: David Stainback

**Reported:**  
06/03/25 08:26

**BKG02@4'**  
**2504456-07 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **04/30/25 11:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L dry	1	BIE0002	05/01/25	05/01/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **04/30/25 11:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	<b>0.558</b>	0.200	mg/kg dry	1	BIE0009	05/01/25	05/01/25	EPA 6020B	
Barium	<b>77.5</b>	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	<b>1.48</b>	0.400	"	"	"	"	"	"	
Lead	<b>4.66</b>	0.200	"	"	"	"	"	"	
Nickel	<b>1.54</b>	0.400	"	"	"	"	"	"	
Silver	<b>0.0205</b>	0.0200	"	"	"	"	"	"	
Zinc	<b>6.73</b>	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

**Hexavalent Chromium by HACH M8023**

Date Sampled: **04/30/25 11:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIE0015	05/01/25	05/01/25	Hach 8000	

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

Date Sampled: **04/30/25 11:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	<b>29.8</b>	0.0500	mg/L dry	1	BID1646	04/30/25	05/01/25	EPA 6020B	
Magnesium	<b>8.15</b>	0.0500	"	"	"	"	"	"	
Sodium	<b>49.7</b>	0.0500	"	"	"	"	"	"	

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Project: Chevron - UPRC 35-6

Project Number: [none]  
Project Manager: David Stainback

**Reported:**  
06/03/25 08:26

**BKG02@4'**  
**2504456-07 (Soil)**

**Summit Scientific**

**Calculated Analysis**

Date Sampled: **04/30/25 11:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	2.08	0.00100	units	1	BIE0103	05/02/25	05/02/25	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **04/30/25 11:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	82.4		%	1	BIE0005	05/01/25	05/01/25	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **04/30/25 11:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.437	0.0100	mmhos/cm	1	BID1648	04/30/25	05/01/25	EPA 120.1	

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

Date Sampled: **04/30/25 11:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.53		pH Units	1	BID1647	04/30/25	05/01/25	EPA 9045D	

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Project: Chevron - UPRC 35-6

Project Number: [none]  
Project Manager: David Stainback

**Reported:**  
06/03/25 08:26

**BKG01@8'**  
**2504456-08 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **04/30/25 12:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L dry	1	BIE0002	05/01/25	05/01/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **04/30/25 12:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>Arsenic</b>	<b>0.603</b>	0.200	mg/kg dry	1	BIE0009	05/01/25	05/01/25	EPA 6020B	
<b>Barium</b>	<b>57.7</b>	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
<b>Copper</b>	<b>1.26</b>	0.400	"	"	"	"	"	"	
<b>Lead</b>	<b>4.91</b>	0.200	"	"	"	"	"	"	
<b>Nickel</b>	<b>1.30</b>	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
<b>Zinc</b>	<b>4.83</b>	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

**Hexavalent Chromium by HACH M8023**

Date Sampled: **04/30/25 12:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIE0015	05/01/25	05/01/25	Hach 8000	

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

Date Sampled: **04/30/25 12:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>Calcium</b>	<b>38.2</b>	0.0500	mg/L dry	1	BID1646	04/30/25	05/01/25	EPA 6020B	
<b>Magnesium</b>	<b>9.41</b>	0.0500	"	"	"	"	"	"	
<b>Sodium</b>	<b>53.2</b>	0.0500	"	"	"	"	"	"	

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Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]  
Project Manager: David Stainback

**Reported:**  
06/03/25 08:26

**BKG01@8'**  
**2504456-08 (Soil)**

**Summit Scientific**

**Calculated Analysis**

Date Sampled: **04/30/25 12:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	2.00	0.00100	units	1	BIE0103	05/02/25	05/02/25	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **04/30/25 12:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	74.3		%	1	BIE0005	05/01/25	05/01/25	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **04/30/25 12:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.400	0.0100	mmhos/cm	1	BID1648	04/30/25	05/01/25	EPA 120.1	

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

Date Sampled: **04/30/25 12:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.02		pH Units	1	BID1647	04/30/25	05/01/25	EPA 9045D	

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Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]  
Project Manager: David Stainback

**Reported:**  
06/03/25 08:26

**BKG02@8'**  
**2504456-09 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **04/30/25 12:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L dry	1	BIE0002	05/01/25	05/01/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **04/30/25 12:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>Arsenic</b>	<b>0.331</b>	0.200	mg/kg dry	1	BIE0009	05/01/25	05/01/25	EPA 6020B	
<b>Barium</b>	<b>41.0</b>	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
<b>Copper</b>	<b>0.914</b>	0.400	"	"	"	"	"	"	
<b>Lead</b>	<b>2.57</b>	0.200	"	"	"	"	"	"	
<b>Nickel</b>	<b>1.05</b>	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
<b>Zinc</b>	<b>3.88</b>	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

**Hexavalent Chromium by HACH M8023**

Date Sampled: **04/30/25 12:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIE0015	05/01/25	05/01/25	Hach 8000	

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

Date Sampled: **04/30/25 12:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>Calcium</b>	<b>28.5</b>	0.0500	mg/L dry	1	BID1646	04/30/25	05/01/25	EPA 6020B	
<b>Magnesium</b>	<b>7.29</b>	0.0500	"	"	"	"	"	"	
<b>Sodium</b>	<b>46.4</b>	0.0500	"	"	"	"	"	"	

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Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]  
Project Manager: David Stainback

**Reported:**  
06/03/25 08:26

**BKG02@8'**  
**2504456-09 (Soil)**

**Summit Scientific**

**Calculated Analysis**

Date Sampled: **04/30/25 12:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	2.01	0.00100	units	1	BIE0103	05/02/25	05/02/25	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **04/30/25 12:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	78.4		%	1	BIE0005	05/01/25	05/01/25	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **04/30/25 12:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.396	0.0100	mmhos/cm	1	BID1648	04/30/25	05/01/25	EPA 120.1	

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

Date Sampled: **04/30/25 12:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.02		pH Units	1	BID1647	04/30/25	05/01/25	EPA 9045D	

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Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]  
Project Manager: David Stainback

**Reported:**  
06/03/25 08:26

**GW01@6'**  
**2504456-10 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

**HDSP-W**

Date Sampled: **04/30/25 11:25**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BID1642	04/30/25	04/30/25	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: **04/30/25 11:25**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	13.6	102 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	13.9	104 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.0	97.7 %		21-167		"	"	"	"	

**Anions by EPA Method 300.0**

Date Sampled: **04/30/25 11:25**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	392	0.0600		mg/L	50	BIE0054	05/01/25	05/02/25	EPA 300.0	
Sulfate	485	0.300		"	"	"	"	"	"	

**Total Dissolved Solids by SM2540C**

Date Sampled: **04/30/25 11:25**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	1320	10.0		mg/L	1	BIE0219	05/05/25	05/06/25	SM2540C	

Summit Scientific

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Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]  
Project Manager: David Stainback

**Reported:**  
06/03/25 08:26

**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 BID1638 - EPA 5030 Soil MS**

**Blank (BID1638-BLK1)**

Prepared: 04/30/25 Analyzed: 05/01/25

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	0.0484		"	0.0400		121	50-150			
Surrogate: Toluene-d8	0.0397		"	0.0400		99.2	50-150			
Surrogate: 4-Bromofluorobenzene	0.0406		"	0.0400		101	50-150			

**LCS (BID1638-BS1)**

Prepared: 04/30/25 Analyzed: 05/01/25

Benzene	0.0955	0.0020	mg/kg	0.100		95.5	70-130			
Toluene	0.0988	0.0050	"	0.100		98.8	70-130			
Ethylbenzene	0.0938	0.0050	"	0.100		93.8	70-130			
m,p-Xylene	0.192	0.010	"	0.200		95.9	70-130			
o-Xylene	0.0987	0.0050	"	0.100		98.7	70-130			
1,2,4-Trimethylbenzene	0.0975	0.0050	"	0.100		97.5	70-130			
1,3,5-Trimethylbenzene	0.0948	0.0050	"	0.100		94.8	70-130			
Naphthalene	0.0952	0.0038	"	0.100		95.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0491		"	0.0400		123	50-150			
Surrogate: Toluene-d8	0.0399		"	0.0400		99.8	50-150			
Surrogate: 4-Bromofluorobenzene	0.0407		"	0.0400		102	50-150			

**Matrix Spike (BID1638-MS1)**

Source: 2504455-01

Prepared: 04/30/25 Analyzed: 05/01/25

Benzene	0.0848	0.0020	mg/kg	0.100	ND	84.8	70-130			
Toluene	0.0888	0.0050	"	0.100	ND	88.8	70-130			
Ethylbenzene	0.0834	0.0050	"	0.100	ND	83.4	70-130			
m,p-Xylene	0.172	0.010	"	0.200	ND	85.8	70-130			
o-Xylene	0.0873	0.0050	"	0.100	ND	87.3	70-130			
1,2,4-Trimethylbenzene	0.0850	0.0050	"	0.100	ND	85.0	70-130			
1,3,5-Trimethylbenzene	0.0835	0.0050	"	0.100	ND	83.5	70-130			
Naphthalene	0.0754	0.0038	"	0.100	ND	75.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0446		"	0.0400		111	50-150			
Surrogate: Toluene-d8	0.0398		"	0.0400		99.4	50-150			
Surrogate: 4-Bromofluorobenzene	0.0406		"	0.0400		102	50-150			

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9446 Clermont St.  
Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]  
Project Manager: David Stainback

**Reported:**  
06/03/25 08:26

**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 BID1642 - EPA 5030 Water MS**

**Blank (BID1642-BLK1)**

Prepared & Analyzed: 04/30/25

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	"							
Surrogate: 1,2-Dichloroethane-d4	13.9		"	13.3		105	23-173			
Surrogate: Toluene-d8	14.5		"	13.3		109	20-170			
Surrogate: 4-Bromofluorobenzene	12.7		"	13.3		95.3	21-167			

**LCS (BID1642-BS1)**

Prepared & Analyzed: 04/30/25

Benzene	37.7	1.0	ug/l	33.3		113	51-132			
Toluene	39.7	1.0	"	33.3		119	51-138			
Ethylbenzene	38.0	1.0	"	33.3		114	58-146			
m,p-Xylene	67.9	2.0	"	66.7		102	57-144			
o-Xylene	34.2	1.0	"	33.3		103	53-146			
Naphthalene	30.4	1.0	"	33.3		91.1	70-130			
1,2,4-Trimethylbenzene	34.2	1.0	"	33.3		103	70-130			
1,3,5-Trimethylbenzene	33.8	1.0	"	33.3		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	15.0		"	13.3		112	23-173			
Surrogate: Toluene-d8	14.4		"	13.3		108	20-170			
Surrogate: 4-Bromofluorobenzene	13.2		"	13.3		99.2	21-167			

**LCS Dup (BID1642-BSD1)**

Prepared & Analyzed: 04/30/25

Benzene	36.4	1.0	ug/l	33.3		109	51-132	3.64	20	
Toluene	37.5	1.0	"	33.3		112	51-138	5.77	20	
Ethylbenzene	36.4	1.0	"	33.3		109	58-146	4.19	20	
m,p-Xylene	65.1	2.0	"	66.7		97.6	57-144	4.17	20	
o-Xylene	33.0	1.0	"	33.3		99.0	53-146	3.48	20	
Naphthalene	31.1	1.0	"	33.3		93.2	70-130	2.28	20	
1,2,4-Trimethylbenzene	33.3	1.0	"	33.3		99.9	70-130	2.73	20	
1,3,5-Trimethylbenzene	33.6	1.0	"	33.3		101	70-130	0.594	20	
Surrogate: 1,2-Dichloroethane-d4	13.5		"	13.3		101	23-173			
Surrogate: Toluene-d8	13.7		"	13.3		103	20-170			
Surrogate: 4-Bromofluorobenzene	13.1		"	13.3		98.0	21-167			

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Project: Chevron - UPRC 35-6

Project Number: [none]  
 Project Manager: David Stainback

**Reported:**  
 06/03/25 08:26

**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 BID1641 - EPA 3550A**

**Blank (BID1641-BLK1)**

Prepared: 04/30/25 Analyzed: 05/01/25

C10-C28 (DRO)	ND	50	mg/kg								
C28-C36 (ORO)	ND	50	"								
Surrogate: <i>o</i> -Terphenyl	12.0		"	12.5		95.8	50-140				

**LCS (BID1641-BS1)**

Prepared: 04/30/25 Analyzed: 05/01/25

C10-C28 (DRO)	496	50	mg/kg	500		99.1	50-140				
Surrogate: <i>o</i> -Terphenyl	12.3		"	12.5		98.1	50-140				

**Matrix Spike (BID1641-MS1)**

Source: 2504455-01

Prepared: 04/30/25 Analyzed: 05/01/25

C10-C28 (DRO)	464	50	mg/kg	500	30.4	86.7	50-140				
Surrogate: <i>o</i> -Terphenyl	10.6		"	12.5		85.1	50-140				

**Matrix Spike Dup (BID1641-MSD1)**

Source: 2504455-01

Prepared: 04/30/25 Analyzed: 05/01/25

C10-C28 (DRO)	483	50	mg/kg	500	30.4	90.4	50-140	3.92	20		
Surrogate: <i>o</i> -Terphenyl	10.9		"	12.5		87.2	50-140				

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Project: Chevron - UPRC 35-6

Project Number: [none]  
Project Manager: David Stainback

**Reported:**  
06/03/25 08:26

**PAH by EPA Method 8270D SIM - Quality Control**

**Summit Scientific**

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

**Batch BIE0096 - EPA 5030 Soil MS**

**Blank (BIE0096-BLK1)**

Prepared: 05/02/25 Analyzed: 05/27/25

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	"							
Surrogate: 2-Methylnaphthalene-d10	0.0261		"	0.0333		78.3	40-140			
Surrogate: Fluoranthene-d10	0.0253		"	0.0333		76.0	40-140			

**LCS (BIE0096-BS1)**

Prepared: 05/02/25 Analyzed: 05/27/25

Acenaphthene	0.0219	0.00500	mg/kg	0.0333		65.7	40-140			
Anthracene	0.0259	0.00500	"	0.0333		77.8	40-140			
Benzo (a) anthracene	0.0283	0.00500	"	0.0333		85.0	40-140			
Benzo (a) pyrene	0.0272	0.00500	"	0.0333		81.7	40-140			
Benzo (b) fluoranthene	0.0282	0.00500	"	0.0333		84.5	40-140			
Benzo (k) fluoranthene	0.0249	0.00500	"	0.0333		74.7	40-140			
Chrysene	0.0247	0.00500	"	0.0333		74.0	40-140			
Dibenz (a,h) anthracene	0.0272	0.00500	"	0.0333		81.7	40-140			
Fluoranthene	0.0260	0.00500	"	0.0333		78.0	40-140			
Fluorene	0.0249	0.00500	"	0.0333		74.8	40-140			
Indeno (1,2,3-cd) pyrene	0.0183	0.00500	"	0.0333		54.8	40-140			
Pyrene	0.0265	0.00500	"	0.0333		79.4	40-140			
1-Methylnaphthalene	0.0217	0.00500	"	0.0333		65.0	40-140			
2-Methylnaphthalene	0.0230	0.00500	"	0.0333		68.9	40-140			
Surrogate: 2-Methylnaphthalene-d10	0.0195		"	0.0333		58.5	40-140			
Surrogate: Fluoranthene-d10	0.0252		"	0.0333		75.7	40-140			

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Project: Chevron - UPRC 35-6

Project Number: [none]  
Project Manager: David Stainback

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06/03/25 08:26

**PAH by EPA Method 8270D SIM - Quality Control**

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

**Batch BIE0096 - EPA 5030 Soil MS**

<b>Matrix Spike (BIE0096-MS1)</b>	<b>Source: 2504431-01</b>			<b>Prepared: 05/02/25 Analyzed: 05/27/25</b>						
Acenaphthene	0.0224	0.00500	mg/kg	0.0333	ND	67.3	40-140			
Anthracene	0.0229	0.00500	"	0.0333	ND	68.6	40-140			
Benzo (a) anthracene	0.0248	0.00500	"	0.0333	ND	74.4	40-140			
Benzo (a) pyrene	0.0246	0.00500	"	0.0333	ND	73.8	40-140			
Benzo (b) fluoranthene	0.0265	0.00500	"	0.0333	ND	79.6	40-140			
Benzo (k) fluoranthene	0.0240	0.00500	"	0.0333	ND	71.9	40-140			
Chrysene	0.0238	0.00500	"	0.0333	ND	71.5	40-140			
Dibenz (a,h) anthracene	0.0210	0.00500	"	0.0333	ND	63.1	40-140			
Fluoranthene	0.0232	0.00500	"	0.0333	ND	69.6	40-140			
Fluorene	0.0225	0.00500	"	0.0333	ND	67.6	40-140			
Indeno (1,2,3-cd) pyrene	0.0138	0.00500	"	0.0333	ND	41.4	40-140			
Pyrene	0.0244	0.00500	"	0.0333	ND	73.3	40-140			
1-Methylnaphthalene	0.0236	0.00500	"	0.0333	ND	70.7	40-140			
2-Methylnaphthalene	0.0250	0.00500	"	0.0333	0.00478	60.6	40-140			
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0221</i>		<i>"</i>	<i>0.0333</i>		<i>66.2</i>	<i>40-140</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0221</i>		<i>"</i>	<i>0.0333</i>		<i>66.3</i>	<i>40-140</i>			

<b>Matrix Spike Dup (BIE0096-MSD1)</b>	<b>Source: 2504431-01</b>			<b>Prepared: 05/02/25 Analyzed: 05/27/25</b>						
Acenaphthene	0.0187	0.00500	mg/kg	0.0333	ND	56.0	40-140	18.3	30	
Anthracene	0.0200	0.00500	"	0.0333	ND	59.9	40-140	13.5	30	
Benzo (a) anthracene	0.0206	0.00500	"	0.0333	ND	61.7	40-140	18.7	30	
Benzo (a) pyrene	0.0190	0.00500	"	0.0333	ND	57.0	40-140	25.7	30	
Benzo (b) fluoranthene	0.0198	0.00500	"	0.0333	ND	59.5	40-140	28.9	30	
Benzo (k) fluoranthene	0.0175	0.00500	"	0.0333	ND	52.6	40-140	31.0	30	O-01
Chrysene	0.0186	0.00500	"	0.0333	ND	55.8	40-140	24.6	30	
Dibenz (a,h) anthracene	0.0180	0.00500	"	0.0333	ND	53.9	40-140	15.6	30	
Fluoranthene	0.0198	0.00500	"	0.0333	ND	59.4	40-140	15.9	30	
Fluorene	0.0198	0.00500	"	0.0333	ND	59.5	40-140	12.7	30	
Indeno (1,2,3-cd) pyrene	0.0124	0.00500	"	0.0333	ND	37.1	40-140	10.8	30	QM-05
Pyrene	0.0200	0.00500	"	0.0333	ND	60.0	40-140	20.0	30	
1-Methylnaphthalene	0.0198	0.00500	"	0.0333	ND	59.4	40-140	17.4	30	
2-Methylnaphthalene	0.0212	0.00500	"	0.0333	0.00478	49.3	40-140	16.3	30	
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0182</i>		<i>"</i>	<i>0.0333</i>		<i>54.7</i>	<i>40-140</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0191</i>		<i>"</i>	<i>0.0333</i>		<i>57.2</i>	<i>40-140</i>			

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Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]  
Project Manager: David Stainback

**Reported:**  
06/03/25 08:26

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

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

**Batch BIE0002 - EPA 3050B**

**Blank (BIE0002-BLK1)**

Prepared & Analyzed: 05/01/25

Boron ND 2.00 mg/L wet

**LCS (BIE0002-BS1)**

Prepared & Analyzed: 05/01/25

Boron 5.53 2.00 mg/L wet 5.00 111 80-120

**Duplicate (BIE0002-DUP1)**

Source: 2504452-10

Prepared & Analyzed: 05/01/25

Boron 0.471 2.00 mg/L dry 0.492 4.45 20

**Matrix Spike (BIE0002-MS1)**

Source: 2504452-10

Prepared & Analyzed: 05/01/25

Boron 7.53 2.00 mg/L dry 5.79 0.492 122 75-125

**Matrix Spike Dup (BIE0002-MSD1)**

Source: 2504452-10

Prepared & Analyzed: 05/01/25

Boron 7.41 2.00 mg/L dry 5.79 0.492 119 75-125 1.67 25

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Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]  
Project Manager: David Stainback

**Reported:**  
06/03/25 08:26

**Total Metals by EPA 6020B - Quality Control**  
**Summit Scientific**

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

**Batch BIE0009 - EPA 3050B**

**Blank (BIE0009-BLK1)**

Prepared & Analyzed: 05/01/25

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 (BIE0009-BS1)**

Prepared & Analyzed: 05/01/25

Arsenic	40.8	0.200	mg/kg wet	40.3	101	80-120
Barium	40.2	0.400	"	40.3	99.6	80-120
Cadmium	2.03	0.200	"	2.02	101	80-120
Copper	41.9	0.400	"	40.3	104	80-120
Lead	20.2	0.200	"	20.2	100	80-120
Nickel	41.6	0.400	"	40.3	103	80-120
Silver	2.02	0.0200	"	2.02	100	80-120
Zinc	40.9	0.400	"	40.3	101	80-120
Selenium	4.34	0.260	"	4.03	108	80-120

**Duplicate (BIE0009-DUP1)**

Source: 2504455-01

Prepared & Analyzed: 05/01/25

Arsenic	0.290	0.200	mg/kg dry	0.392	29.9	20	QR-04
Barium	54.8	0.400	"	58.0	5.69	20	
Cadmium	0.615	0.200	"	0.411	39.6	20	QR-04
Copper	1.46	0.400	"	1.32	9.95	20	
Lead	10.7	0.200	"	6.52	48.5	20	QR-04
Nickel	2.58	0.400	"	2.81	8.40	20	
Silver	0.0511	0.0200	"	0.0294	54.0	20	QR-04
Zinc	13.6	0.400	"	11.3	18.7	20	
Selenium	1.49	0.260	"	1.08	31.6	20	QR-04

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Project: Chevron - UPRC 35-6

Project Number: [none]  
 Project Manager: David Stainback

**Reported:**  
 06/03/25 08:26

**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 BIE0009 - EPA 3050B**

**Matrix Spike (BIE0009-MS1)**

Source: 2504455-01

Prepared & Analyzed: 05/01/25

Arsenic	4.02	0.200	mg/kg dry	49.1	0.392	7.39	75-125				QM-05
Barium	106	0.400	"	49.1	58.0	97.6	75-125				
Cadmium	3.43	0.200	"	2.46	0.411	123	75-125				
Copper	4.70	0.400	"	49.1	1.32	6.88	75-125				QM-05
Lead	22.6	0.200	"	24.6	6.52	65.3	75-125				QM-05
Nickel	6.79	0.400	"	49.1	2.81	8.11	75-125				QM-05
Silver	2.46	0.0200	"	2.46	0.0294	98.7	75-125				
Zinc	10.6	0.400	"	49.1	11.3	NR	75-125				QM-05
Selenium	5.42	0.260	"	4.91	1.08	88.4	75-125				

**Matrix Spike Dup (BIE0009-MSD1)**

Source: 2504455-01

Prepared & Analyzed: 05/01/25

Arsenic	4.89	0.200	mg/kg dry	48.4	0.392	9.31	75-125	19.6	25		QM-05
Barium	112	0.400	"	48.4	58.0	112	75-125	5.53	25		
Cadmium	2.88	0.200	"	2.42	0.411	102	75-125	17.4	25		
Copper	5.94	0.400	"	48.4	1.32	9.54	75-125	23.3	25		QM-05
Lead	26.2	0.200	"	24.2	6.52	81.4	75-125	15.0	25		
Nickel	7.75	0.400	"	48.4	2.81	10.2	75-125	13.2	25		QM-05
Silver	2.34	0.0200	"	2.42	0.0294	95.5	75-125	4.78	25		
Zinc	16.6	0.400	"	48.4	11.3	11.1	75-125	44.1	25		QM-05
Selenium	6.64	0.260	"	4.84	1.08	115	75-125	20.2	25		

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Project: Chevron - UPRC 35-6

Project Number: [none]  
 Project Manager: David Stainback

**Reported:**  
 06/03/25 08:26

**Hexavalent Chromium by HACH M8023 - Quality Control**  
**Summit Scientific**

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

**Batch BIE0015 - 3060A Mod**

**Blank (BIE0015-BLK1)**

Prepared & Analyzed: 05/01/25

Chromium, Hexavalent      ND      0.30 mg/kg wet

**LCS (BIE0015-BS1)**

Prepared & Analyzed: 05/01/25

Chromium, Hexavalent      25.4      0.30 mg/kg wet      26.3      96.4      80-120

**Duplicate (BIE0015-DUP1)**

**Source: 2504455-01**

Prepared & Analyzed: 05/01/25

Chromium, Hexavalent      ND      0.30 mg/kg dry      ND      20

**Matrix Spike (BIE0015-MS1)**

**Source: 2504455-01**

Prepared & Analyzed: 05/01/25

Chromium, Hexavalent      31.8      0.30 mg/kg dry      32.1      ND      99.0      75-125

**Matrix Spike Dup (BIE0015-MSD1)**

**Source: 2504455-01**

Prepared & Analyzed: 05/01/25

Chromium, Hexavalent      30.5      0.30 mg/kg dry      30.0      ND      102      75-125      4.11      20

Summit Scientific

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CDH Consulting  
 9446 Clermont St.  
 Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]  
 Project Manager: David Stainback

**Reported:**  
 06/03/25 08:26

**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 BID1646 - General Preparation**

**Blank (BID1646-BLK1)**

Prepared: 04/30/25 Analyzed: 05/02/25

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

**LCS (BID1646-BS1)**

Prepared: 04/30/25 Analyzed: 05/01/25

Calcium	5.29	0.0500	mg/L wet	5.00	106	70-130				
Magnesium	5.37	0.0500	"	5.00	107	70-130				
Sodium	5.28	0.0500	"	5.00	106	70-130				

Summit Scientific

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 Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]  
 Project Manager: David Stainback

**Reported:**  
 06/03/25 08:26

**Anions by EPA Method 300.0 - Quality Control**

**Summit Scientific**

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

**Batch BIE0054 - General Preparation**

**Blank (BIE0054-BLK1)**

Prepared: 05/01/25 Analyzed: 05/02/25

Chloride	ND	0.0600	mg/L						
Sulfate	ND	0.300	"						

**LCS (BIE0054-BS1)**

Prepared: 05/01/25 Analyzed: 05/02/25

Chloride	3.00	0.0600	mg/L	3.00		100	90-110		
Sulfate	15.2	0.300	"	15.0		101	90-110		

**Duplicate (BIE0054-DUP1)**

Source: 2504454-01

Prepared: 05/01/25 Analyzed: 05/02/25

Chloride	53.4	0.0600	mg/L		53.6			0.299	20
Sulfate	596	0.300	"		604			1.21	20

**Matrix Spike (BIE0054-MS1)**

Source: 2504454-01

Prepared: 05/01/25 Analyzed: 05/02/25

Chloride	193	0.0600	mg/L	150	53.6	92.9	80-120		
Sulfate	1300	0.300	"	750	604	92.4	80-120		

Summit Scientific

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 Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]  
 Project Manager: David Stainback

**Reported:**  
 06/03/25 08:26

**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 BIE0005 - General Preparation**

**Duplicate (BIE0005-DUP1)**

**Source: 2504447-01**

Prepared & Analyzed: 05/01/25

% Solids	94.7		%		95.7			1.03	20	
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Summit Scientific

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 Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]  
 Project Manager: David Stainback

**Reported:**  
 06/03/25 08:26

**Total Dissolved Solids by SM2540C - Quality Control**

**Summit Scientific**

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

**Batch BIE0219 - General Preparation**

**Blank (BIE0219-BLK1)**

Prepared: 05/05/25 Analyzed: 05/06/25

Total Dissolved Solids ND 10.0 mg/L

**Duplicate (BIE0219-DUP1)**

Source: 2504454-01

Prepared: 05/05/25 Analyzed: 05/06/25

Total Dissolved Solids 1410 10.0 mg/L 1250 12.0 20

Summit Scientific

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 Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]  
 Project Manager: David Stainback

**Reported:**  
 06/03/25 08:26

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction - Quality Control**

**Summit Scientific**

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

**Batch BID1648 - General Preparation**

**Blank (BID1648-BLK1)**

Prepared: 04/30/25 Analyzed: 05/01/25

Specific Conductance (EC) ND 0.0100 mmhos/cm

**LCS (BID1648-BS1)**

Prepared: 04/30/25 Analyzed: 05/01/25

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

**Duplicate (BID1648-DUP1)**

Source: 2504214-01

Prepared: 04/30/25 Analyzed: 05/01/25

Specific Conductance (EC) 0.345 0.0100 mmhos/cm 0.353 2.32 20

Summit Scientific

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CDH Consulting  
 9446 Clermont St.  
 Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]  
 Project Manager: David Stainback

**Reported:**  
 06/03/25 08:26

**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 BID1647 - General Preparation**

**LCS (BID1647-BS1)**

Prepared: 04/30/25 Analyzed: 05/01/25

pH	9.22		pH Units	9.18		100	95-105			
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**Duplicate (BID1647-DUP1)**

Source: 2504214-01

Prepared: 04/30/25 Analyzed: 05/01/25

pH	9.02		pH Units		9.02			0.00	20	
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Summit Scientific

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CDH Consulting  
9446 Clermont St.  
Thornton CO, 80119

Project: Chevron - UPRC 35-6

Project Number: [none]  
Project Manager: David Stainback

**Reported:**  
06/03/25 08:26

### Notes and Definitions

- S-09 Surrogate recoveries for this sample are below established control limits. The sample matrix exhibits complex characteristics that can affect extraction efficiency, leading to reduced surrogate recoveries despite adherence to standard procedures.
- 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. Only applies to source/DUP and MS/MSD pairs.
- 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.
- O-01 This compound is a common laboratory contaminant.
- HDSP-W Sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
- 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