

# Summit Scientific

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4653 Table Mountain Drive, Golden, Colorado 80403

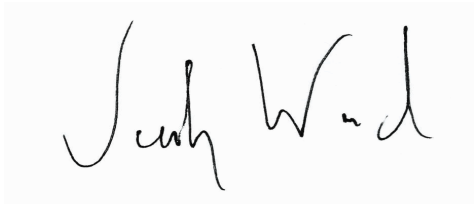
303.277.9310

June 18, 2025

Chelsea Veryser  
Entrada Consulting Group  
240 Mesa Avenue  
Grand Junction., CO 81501  
RE: Chevron - Schmerge 44-4  
Work Order #2504103

Enclosed are the results of analyses for samples received by Summit Scientific on 04/04/25 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 "Jacob Wood". The signature is written in a cursive, flowing style.

Jacob Wood For Paul Shrewsbury  
President

**Please Note - Out-of-Hold Results Included:**

The 8260B GBTEXN 915 analyses were analyzed outside of allotted holding times due to delays at Summit Scientific.



Entrada Consulting Group  
240 Mesa Avenue  
Grand Junction. CO, 81501

Project: Chevron - Schmerge 44-4

Project Number: [none]  
Project Manager: Chelsea Veryser

**Reported:**  
06/18/25 16:44

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH01@6	2504103-01	Soil	04/03/25 12:00	04/04/25 16:30

### Case Narrative

The 8260B GBTEXN 915 analyses were completed outside of allotted holding times due to delays at Summit Scientific.

This report has been revised to include the proper hold-time qualifiers.

This is a revision of the report originally sent on 05/27/2025 at 10:28 MT.

Summit Scientific

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# SUMMIT SCIENTIFIC

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

Lab ID	Page	of
2504103		1

Client: <u>Entrada</u>		Send Data To:		Send Invoice To:	
Address:		Project Manager: <u>Chelsea Vervser</u>		Company: <u>Chevron - Noble</u>	
City/State/Zip:		E-Mail: <u>ChevronFR@Entradainc.com</u>		Project Name/Location: <u>Schmerge 44.4</u>	
Phone: <u>303-319-8703</u>		RBUENF27@chevron.com		AFE#:	
Sampler Name: <u>En Limer</u>		Project Name: <u>Schmerge 44.4</u>		PO/Billing Codes:	
		Project Number:		Contact: <u>Dusty Smith</u>	

				Preservative				Matrix				Analysis Requested				Special Instructions			
ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other							
1	WH01-06	4/3/25	1200	2			X			X			X						
2	FLR01-04		1205																HOLD
3	WH01-E04		1210																HOLD
4	WH01-W04		1215																HOLD
5	WH01-S04		1220																HOLD
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			

Relinquished by: <u>[Signature]</u>	Date/Time: <u>4/4/25 1100</u>	Received by: <u>[Signature]</u>	Date/Time: <u>4/4/25 1100</u>	TAT Business Days	Field DO	Notes:
				Same Day	Field EC	
Relinquished by: <u>SL</u>	Date/Time: <u>4/4/25 1100</u>	Received by: <u>[Signature]</u>	Date/Time: <u>4/4/25 1100</u>	1 Day	Field ORP	
				2 Days	Field pH	
Relinquished by: <u>[Signature]</u>	Date/Time: <u>4/4/25 1100</u>	Received by: <u>[Signature]</u>	Date/Time: <u>4/4/25 1100</u>	3 Days	Field Temp.	
				Standard	X Field Turb.	
Temperature Upon Receipt: <u>4.3</u>	Corrected Temperature: <u>0</u>	IR gun #: <u>1</u>	HNO3 lot #: <u></u>			

S2 Work Order# 2504103

### Sample Receipt Checklist

Client: Entrada Client Project ID: Schmerge 44-4

Received Via: H.D./P.U./FedEx/UPS/USPS/Other ☐ Airbill #: \_\_\_\_\_

Matrix (Circle all that apply) Air Soil Water Other ☐ Temp (°C) 43 Thermometer # 1

Bottle ware (Circle all that apply) Glass ☒ Jar/Voa/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.	✓			on 2/16
If custody seals are present, are they intact? <sup>(1)</sup>	✓			
Are samples due within 48 hours?		✓		
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.			✓	
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.			✓	
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		✓		
Additional Comments (if any):				

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

Control Form #: SRC-001

SN  
Custodian Printed Name

4/4/25  
Date/Time



Entrada Consulting Group  
240 Mesa Avenue  
Grand Junction. CO, 81501

Project: Chevron - Schmerge 44-4

Project Number: [none]  
Project Manager: Chelsea Veryser

**Reported:**  
06/18/25 16:44

**WH01@6**  
**2504103-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **04/03/25 12:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	0.0020	mg/kg	1	BID0740	04/14/25	05/05/25	EPA 8260B	I-02
Toluene	ND	0.0050	"	"	"	"	"	"	I-02
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	I-02
Xylenes (total)	ND	0.010	"	"	"	"	"	"	I-02
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	I-02
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	I-02
Naphthalene	ND	0.0038	"	"	"	"	"	"	I-02
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	I-02

Date Sampled: **04/03/25 12:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4	0.0432	108 %	50-150		"	"	"	"	I-02
Surrogate: Toluene-d8	0.0397	99.3 %	50-150		"	"	"	"	I-02
Surrogate: 4-Bromofluorobenzene	0.0375	93.8 %	50-150		"	"	"	"	I-02

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/03/25 12:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
C10-C28 (DRO)	ND	50	mg/kg	1	BID0741	04/14/25	05/11/25	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/03/25 12:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: o-Terphenyl	10.6	84.5 %	50-140		"	"	"	"	

**PAH by EPA Method 8270E SIM**

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240 Mesa Avenue  
Grand Junction, CO, 81501

Project: Chevron - Schmerge 44-4  
Project Number: [none]  
Project Manager: Chelsea Veryser

**Reported:**  
06/18/25 16:44

**WH01@6**  
**2504103-01 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270E SIM**

Date Sampled: **04/03/25 12:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Acenaphthene	ND	0.00500	mg/kg	1	BID0638	04/11/25	05/16/25	EPA 8270E 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: **04/03/25 12:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10	0.0177	53.0 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0192	57.8 %	40-140		"	"	"	"	

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

Date Sampled: **04/03/25 12:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Boron	ND	2.00	mg/L dry	1	BID0402	04/08/25	04/16/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **04/03/25 12:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							

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Entrada Consulting Group  
240 Mesa Avenue  
Grand Junction. CO, 81501

Project: Chevron - Schmerge 44-4  
Project Number: [none]  
Project Manager: Chelsea Veryser

**Reported:**  
06/18/25 16:44

**WH01@6**  
**2504103-01 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Arsenic	1.93	0.200	mg/kg dry	1	BID0456	04/08/25	05/11/25	EPA 6020B
Barium	183	0.400	"	"	"	"	"	"
Cadmium	0.257	0.200	"	"	"	"	"	"
Copper	7.18	0.400	"	"	"	"	"	"
Lead	16.2	0.200	"	"	"	"	"	"
Nickel	5.52	0.400	"	"	"	"	"	"
Silver	0.0940	0.0200	"	"	"	"	"	"
Zinc	18.7	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **04/03/25 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BID0555	04/10/25	04/10/25	EPA 7196A	

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

Date Sampled: **04/03/25 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	36.3	0.0500	mg/L dry	1	BID1454	04/28/25	05/11/25	EPA 6020B	
Magnesium	26.2	0.0500	"	"	"	"	"	"	
Sodium	51.2	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **04/03/25 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.58	0.00100	units	1	BIE0452	05/11/25	05/11/25	Calculation	

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

Date Sampled: **04/03/25 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Entrada Consulting Group  
240 Mesa Avenue  
Grand Junction. CO, 81501

Project: Chevron - Schmerge 44-4  
Project Number: [none]  
Project Manager: Chelsea Veryser

**Reported:**  
06/18/25 16:44

**WH01@6**  
**2504103-01 (Soil)**

**Summit Scientific**

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

% Solids	86.8	%	1	BID0569	04/10/25	04/10/25	Calculation
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**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **04/03/25 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	<b>0.646</b>	0.0100	mmhos/cm	1	BID1455	04/28/25	04/30/25	EPA 120.1	

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

Date Sampled: **04/03/25 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	<b>8.50</b>		pH Units	1	BID1456	04/28/25	04/30/25	EPA 9045D	

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240 Mesa Avenue  
Grand Junction, CO, 81501

Project: Chevron - Schmerge 44-4  
Project Number: [none]  
Project Manager: Chelsea Veryser

**Reported:**  
06/18/25 16:44

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

### Summit Scientific

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

#### Batch BID0740 - EPA 5030 Soil MS

##### Blank (BID0740-BLK1)

Prepared: 04/14/25 Analyzed: 05/05/25

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	0.0430		"	0.0400		108	50-150			
Surrogate: Toluene-d8	0.0396		"	0.0400		99.0	50-150			
Surrogate: 4-Bromofluorobenzene	0.0375		"	0.0400		93.8	50-150			

##### LCS (BID0740-BS1)

Prepared: 04/14/25 Analyzed: 05/05/25

Benzene	0.0992	0.0020	mg/kg	0.100		99.2	70-130			
Toluene	0.0975	0.0050	"	0.100		97.5	70-130			
Ethylbenzene	0.0961	0.0050	"	0.100		96.1	70-130			
m,p-Xylene	0.194	0.010	"	0.200		96.9	70-130			
o-Xylene	0.0975	0.0050	"	0.100		97.5	70-130			
1,2,4-Trimethylbenzene	0.0910	0.0050	"	0.100		91.0	70-130			
1,3,5-Trimethylbenzene	0.0904	0.0050	"	0.100		90.4	70-130			
Naphthalene	0.105	0.0038	"	0.100		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0412		"	0.0400		103	50-150			
Surrogate: Toluene-d8	0.0396		"	0.0400		98.9	50-150			
Surrogate: 4-Bromofluorobenzene	0.0392		"	0.0400		98.0	50-150			

##### Matrix Spike (BID0740-MS1)

Source: 2504093-01

Prepared: 04/14/25 Analyzed: 05/05/25

Benzene	0.0911	0.0020	mg/kg	0.100	ND	91.1	70-130			
Toluene	0.0890	0.0050	"	0.100	ND	89.0	70-130			
Ethylbenzene	0.0904	0.0050	"	0.100	ND	90.4	70-130			
m,p-Xylene	0.182	0.010	"	0.200	ND	90.9	70-130			
o-Xylene	0.0910	0.0050	"	0.100	ND	91.0	70-130			
1,2,4-Trimethylbenzene	0.0830	0.0050	"	0.100	ND	83.0	70-130			
1,3,5-Trimethylbenzene	0.0836	0.0050	"	0.100	ND	83.6	70-130			
Naphthalene	0.0837	0.0038	"	0.100	0.00267	81.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0418		"	0.0400		105	50-150			
Surrogate: Toluene-d8	0.0396		"	0.0400		98.9	50-150			
Surrogate: 4-Bromofluorobenzene	0.0395		"	0.0400		98.7	50-150			

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240 Mesa Avenue  
Grand Junction, CO, 81501

Project: Chevron - Schmerge 44-4

Project Number: [none]  
Project Manager: Chelsea Veryser

**Reported:**  
06/18/25 16:44

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

### Summit Scientific

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

#### Batch BID0740 - EPA 5030 Soil MS

Matrix Spike Dup (BID0740-MSD1)		Source: 2504093-01			Prepared: 04/14/25 Analyzed: 05/05/25					
Benzene	0.0922	0.0020	mg/kg	0.100	ND	92.2	70-130	1.18	30	
Toluene	0.0901	0.0050	"	0.100	ND	90.1	70-130	1.24	30	
Ethylbenzene	0.0927	0.0050	"	0.100	ND	92.7	70-130	2.52	30	
m,p-Xylene	0.186	0.010	"	0.200	ND	93.1	70-130	2.48	30	
o-Xylene	0.0927	0.0050	"	0.100	ND	92.7	70-130	1.80	30	
1,2,4-Trimethylbenzene	0.0866	0.0050	"	0.100	ND	86.6	70-130	4.17	30	
1,3,5-Trimethylbenzene	0.0867	0.0050	"	0.100	ND	86.7	70-130	3.59	30	
Naphthalene	0.0852	0.0038	"	0.100	0.00267	82.5	70-130	1.78	30	
<hr/>										
Surrogate: 1,2-Dichloroethane-d4	0.0413		"	0.0400		103	50-150			
Surrogate: Toluene-d8	0.0393		"	0.0400		98.3	50-150			
Surrogate: 4-Bromofluorobenzene	0.0394		"	0.0400		98.6	50-150			

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240 Mesa Avenue  
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Project: Chevron - Schmerge 44-4

Project Number: [none]  
Project Manager: Chelsea Veryser

**Reported:**  
06/18/25 16:44

**Extractable Petroleum Hydrocarbons by 8015 - Quality Control**  
**Summit Scientific**

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

**Batch BID0741 - EPA 3550A**

**Blank (BID0741-BLK1)**

Prepared: 04/14/25 Analyzed: 05/11/25

C10-C28 (DRO)	ND	50	mg/kg							
C28-C36 (ORO)	ND	50	"							
Surrogate: o-Terphenyl	12.5		"	12.5		99.6	50-140			

**LCS (BID0741-BS1)**

Prepared: 04/14/25 Analyzed: 05/11/25

C10-C28 (DRO)	472	50	mg/kg	500		94.5	50-140			
Surrogate: o-Terphenyl	12.7		"	12.5		102	50-140			

**Matrix Spike (BID0741-MS1)**

Source: 2504093-01

Prepared: 04/14/25 Analyzed: 05/11/25

C10-C28 (DRO)	468	50	mg/kg	500	29.5	87.6	50-140			
Surrogate: o-Terphenyl	8.40		"	12.5		67.2	50-140			

**Matrix Spike Dup (BID0741-MSD1)**

Source: 2504093-01

Prepared: 04/14/25 Analyzed: 05/11/25

C10-C28 (DRO)	456	50	mg/kg	500	29.5	85.2	50-140	2.60	20	
Surrogate: o-Terphenyl	8.49		"	12.5		67.9	50-140			

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240 Mesa Avenue  
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Project: Chevron - Schmerge 44-4  
Project Number: [none]  
Project Manager: Chelsea Veryser

**Reported:**  
06/18/25 16:44

## PAH by EPA Method 8270E SIM - Quality Control

### Summit Scientific

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

#### Batch BID0638 - EPA 5030 Soil MS

##### Blank (BID0638-BLK1)

Prepared: 04/11/25 Analyzed: 05/16/25

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	0.0158		"	0.0333		47.5		40-140			
Surrogate: Fluoranthene-d10	0.0167		"	0.0333		50.1		40-140			

##### LCS (BID0638-BS1)

Prepared: 04/11/25 Analyzed: 05/16/25

Acenaphthene	0.0171	0.00500	mg/kg	0.0333		51.4		40-140			
Anthracene	0.0167	0.00500	"	0.0333		50.0		40-140			
Benzo (a) anthracene	0.0173	0.00500	"	0.0333		51.9		40-140			
Benzo (a) pyrene	0.0172	0.00500	"	0.0333		51.5		40-140			
Benzo (b) fluoranthene	0.0186	0.00500	"	0.0333		55.9		40-140			
Benzo (k) fluoranthene	0.0191	0.00500	"	0.0333		57.2		40-140			
Chrysene	0.0169	0.00500	"	0.0333		50.7		40-140			
Dibenz (a,h) anthracene	0.0149	0.00500	"	0.0333		44.7		40-140			
Fluoranthene	0.0181	0.00500	"	0.0333		54.4		40-140			
Fluorene	0.0173	0.00500	"	0.0333		52.0		40-140			
Indeno (1,2,3-cd) pyrene	0.0156	0.00500	"	0.0333		46.9		40-140			
Pyrene	0.0193	0.00500	"	0.0333		58.0		40-140			
1-Methylnaphthalene	0.0200	0.00500	"	0.0333		60.1		40-140			
2-Methylnaphthalene	0.0213	0.00500	"	0.0333		63.9		40-140			
Surrogate: 2-Methylnaphthalene-d10	0.0205		"	0.0333		61.6		40-140			
Surrogate: Fluoranthene-d10	0.0204		"	0.0333		61.1		40-140			

Summit Scientific

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Entrada Consulting Group  
240 Mesa Avenue  
Grand Junction, CO, 81501

Project: Chevron - Schmerge 44-4

Project Number: [none]  
Project Manager: Chelsea Veryser

**Reported:**  
06/18/25 16:44

## PAH by EPA Method 8270E SIM - Quality Control

### Summit Scientific

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

#### Batch BID0638 - EPA 5030 Soil MS

Matrix Spike (BID0638-MS1)			Source: 2504070-08		Prepared: 04/11/25 Analyzed: 05/16/25					
Acenaphthene	0.0173	0.00500	mg/kg	0.0333	ND	51.8	40-140			
Anthracene	0.0160	0.00500	"	0.0333	ND	48.1	40-140			
Benzo (a) anthracene	0.0161	0.00500	"	0.0333	ND	48.2	40-140			
Benzo (a) pyrene	0.0156	0.00500	"	0.0333	ND	46.8	40-140			
Benzo (b) fluoranthene	0.0168	0.00500	"	0.0333	ND	50.3	40-140			
Benzo (k) fluoranthene	0.0172	0.00500	"	0.0333	ND	51.7	40-140			
Chrysene	0.0157	0.00500	"	0.0333	ND	47.1	40-140			
Dibenz (a,h) anthracene	0.0138	0.00500	"	0.0333	ND	41.4	40-140			
Fluoranthene	0.0160	0.00500	"	0.0333	ND	48.1	40-140			
Fluorene	0.0164	0.00500	"	0.0333	ND	49.3	40-140			
Indeno (1,2,3-cd) pyrene	0.0144	0.00500	"	0.0333	ND	43.3	40-140			
Pyrene	0.0179	0.00500	"	0.0333	ND	53.8	40-140			
1-Methylnaphthalene	0.0196	0.00500	"	0.0333	ND	59.0	40-140			
2-Methylnaphthalene	0.0210	0.00500	"	0.0333	ND	63.1	40-140			
Surrogate: 2-Methylnaphthalene-d10	0.0198		"	0.0333		59.3	40-140			
Surrogate: Fluoranthene-d10	0.0189		"	0.0333		56.8	40-140			

Matrix Spike Dup (BID0638-MSD1)			Source: 2504070-08		Prepared: 04/11/25 Analyzed: 05/16/25					
Acenaphthene	0.0137	0.00500	mg/kg	0.0333	ND	41.2	40-140	22.8	30	
Anthracene	0.0129	0.00500	"	0.0333	ND	38.7	40-140	21.9	30	QM-05
Benzo (a) anthracene	0.0132	0.00500	"	0.0333	ND	39.6	40-140	19.6	30	QM-05
Benzo (a) pyrene	0.0126	0.00500	"	0.0333	ND	37.8	40-140	21.2	30	QM-05
Benzo (b) fluoranthene	0.0136	0.00500	"	0.0333	ND	40.7	40-140	21.1	30	
Benzo (k) fluoranthene	0.0140	0.00500	"	0.0333	ND	41.9	40-140	20.9	30	
Chrysene	0.0129	0.00500	"	0.0333	ND	38.8	40-140	19.4	30	QM-05
Dibenz (a,h) anthracene	0.0108	0.00500	"	0.0333	ND	32.5	40-140	24.0	30	QM-05
Fluoranthene	0.0131	0.00500	"	0.0333	ND	39.2	40-140	20.4	30	QM-05
Fluorene	0.0129	0.00500	"	0.0333	ND	38.8	40-140	23.6	30	QM-05
Indeno (1,2,3-cd) pyrene	0.0115	0.00500	"	0.0333	ND	34.6	40-140	22.4	30	QM-05
Pyrene	0.0145	0.00500	"	0.0333	ND	43.5	40-140	21.1	30	
1-Methylnaphthalene	0.0155	0.00500	"	0.0333	ND	46.5	40-140	23.6	30	
2-Methylnaphthalene	0.0166	0.00500	"	0.0333	ND	49.7	40-140	23.8	30	
Surrogate: 2-Methylnaphthalene-d10	0.0155		"	0.0333		46.5	40-140			
Surrogate: Fluoranthene-d10	0.0154		"	0.0333		46.1	40-140			

Summit Scientific

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Entrada Consulting Group  
240 Mesa Avenue  
Grand Junction. CO, 81501

Project: Chevron - Schmerge 44-4

Project Number: [none]  
Project Manager: Chelsea Vervser

**Reported:**  
06/18/25 16:44

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

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

**Batch BID0402 - EPA 3050B**

**Blank (BID0402-BLK1)**

Prepared: 04/08/25 Analyzed: 04/16/25

Boron ND 2.00 mg/L wet

**LCS (BID0402-BS1)**

Prepared: 04/08/25 Analyzed: 04/16/25

Boron 4.88 2.00 mg/L wet 5.00 97.7 80-120

**Duplicate (BID0402-DUP1)**

**Source: 2504102-05**

Prepared: 04/08/25 Analyzed: 04/16/25

Boron 0.0711 2.00 mg/L dry 0.140 65.5 20 QR-04

**Matrix Spike (BID0402-MS1)**

**Source: 2504102-05**

Prepared: 04/08/25 Analyzed: 04/16/25

Boron 5.19 2.00 mg/L dry 5.11 0.140 98.8 75-125

**Matrix Spike Dup (BID0402-MSD1)**

**Source: 2504102-05**

Prepared: 04/08/25 Analyzed: 04/16/25

Boron 5.19 2.00 mg/L dry 5.11 0.140 98.8 75-125 0.0316 25

Summit Scientific

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Entrada Consulting Group  
240 Mesa Avenue  
Grand Junction. CO, 81501

Project: Chevron - Schmerge 44-4

Project Number: [none]  
Project Manager: Chelsea Veryser

**Reported:**  
06/18/25 16:44

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

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

**Batch BID0456 - EPA 3050B**

**Blank (BID0456-BLK1)**

Prepared: 04/08/25 Analyzed: 05/11/25

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 (BID0456-BS1)**

Prepared: 04/08/25 Analyzed: 05/11/25

Arsenic	41.6	0.200	mg/kg wet	40.7	102	80-120
Barium	44.1	0.400	"	40.7	108	80-120
Cadmium	2.02	0.200	"	2.03	99.5	80-120
Copper	43.0	0.400	"	40.7	106	80-120
Lead	21.5	0.200	"	20.3	106	80-120
Nickel	41.7	0.400	"	40.7	103	80-120
Silver	2.01	0.0200	"	2.03	98.8	80-120
Zinc	41.4	0.400	"	40.7	102	80-120
Selenium	4.21	0.260	"	4.07	104	80-120

**Duplicate (BID0456-DUP1)**

Source: 2504079-01

Prepared: 04/08/25 Analyzed: 05/11/25

Arsenic	1.25	0.200	mg/kg dry	1.37	8.77	20
Barium	300	0.400	"	408	30.4	20
Cadmium	0.0622	0.200	"	0.0691	10.5	20
Copper	1.83	0.400	"	1.69	8.05	20
Lead	12.5	0.200	"	14.4	13.6	20
Nickel	1.26	0.400	"	1.17	7.29	20
Silver	0.0243	0.0200	"	0.0277	12.8	20
Zinc	5.57	0.400	"	5.39	3.18	20
Selenium	ND	0.260	"	ND		20

Summit Scientific

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Entrada Consulting Group  
240 Mesa Avenue  
Grand Junction, CO, 81501

Project: Chevron - Schmerge 44-4

Project Number: [none]  
Project Manager: Chelsea Veryser

**Reported:**  
06/18/25 16:44

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

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

**Batch BID0456 - EPA 3050B**

Matrix Spike (BID0456-MS1)		Source: 2504079-01			Prepared: 04/08/25 Analyzed: 05/11/25					
Arsenic	19.4	0.200	mg/kg dry	45.7	1.37	39.6	75-125			QM-05
Barium	288	0.400	"	45.7	408	NR	75-125			QM-05
Cadmium	2.23	0.200	"	2.28	0.0691	94.7	75-125			
Copper	20.6	0.400	"	45.7	1.69	41.4	75-125			QM-05
Lead	32.1	0.200	"	22.8	14.4	77.8	75-125			
Nickel	19.5	0.400	"	45.7	1.17	40.1	75-125			QM-05
Silver	2.18	0.0200	"	2.28	0.0277	94.2	75-125			
Zinc	25.2	0.400	"	45.7	5.39	43.3	75-125			QM-05
Selenium	4.29	0.260	"	4.57	ND	94.0	75-125			

Matrix Spike Dup (BID0456-MSD1)		Source: 2504079-01			Prepared: 04/08/25 Analyzed: 05/11/25					
Arsenic	12.7	0.200	mg/kg dry	46.4	1.37	24.5	75-125	41.7	25	QM-05
Barium	441	0.400	"	46.4	408	72.4	75-125	42.0	25	QM-05
Cadmium	2.39	0.200	"	2.32	0.0691	100	75-125	7.01	25	
Copper	13.2	0.400	"	46.4	1.69	24.8	75-125	43.8	25	QM-05
Lead	37.0	0.200	"	23.2	14.4	97.3	75-125	14.0	25	
Nickel	12.6	0.400	"	46.4	1.17	24.6	75-125	43.0	25	QM-05
Silver	2.30	0.0200	"	2.32	0.0277	98.1	75-125	5.52	25	
Zinc	17.2	0.400	"	46.4	5.39	25.5	75-125	37.6	25	QM-05
Selenium	4.44	0.260	"	4.64	ND	95.8	75-125	3.52	25	

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Entrada Consulting Group  
240 Mesa Avenue  
Grand Junction. CO, 81501

Project: Chevron - Schmerge 44-4

Project Number: [none]  
Project Manager: Chelsea Veryser

**Reported:**  
06/18/25 16:44

**Hexavalent Chromium by EPA Method 7196 - Quality Control**  
**Summit Scientific**

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

**Batch BID0555 - 3060A Mod**

**Blank (BID0555-BLK1)**

Prepared & Analyzed: 04/10/25

Chromium, Hexavalent ND 0.30 mg/kg wet

**LCS (BID0555-BS1)**

Prepared & Analyzed: 04/10/25

Chromium, Hexavalent 25.3 0.30 mg/kg wet 25.3 100 80-120

**Duplicate (BID0555-DUP1)**

**Source: 2504081-01**

Prepared & Analyzed: 04/10/25

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

**Matrix Spike (BID0555-MS1)**

**Source: 2504081-01**

Prepared & Analyzed: 04/10/25

Chromium, Hexavalent 26.6 0.30 mg/kg dry 27.1 ND 98.4 75-125

**Matrix Spike Dup (BID0555-MSD1)**

**Source: 2504081-01**

Prepared & Analyzed: 04/10/25

Chromium, Hexavalent 25.8 0.30 mg/kg dry 25.5 ND 101 75-125 3.14 20

Summit Scientific

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Entrada Consulting Group  
240 Mesa Avenue  
Grand Junction, CO, 81501

Project: Chevron - Schmerge 44-4

Project Number: [none]  
Project Manager: Chelsea Veryser

**Reported:**  
06/18/25 16:44

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

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

**Batch BID1454 - General Preparation**

**Blank (BID1454-BLK1)**

Prepared: 04/28/25 Analyzed: 05/11/25

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

**LCS (BID1454-BS1)**

Prepared: 04/28/25 Analyzed: 05/11/25

Calcium	5.27	0.0500	mg/L wet	5.00	105	70-130
Magnesium	4.98	0.0500	"	5.00	99.5	70-130
Sodium	4.58	0.0500	"	5.00	91.7	70-130

Summit Scientific

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Entrada Consulting Group  
240 Mesa Avenue  
Grand Junction. CO, 81501

Project: Chevron - Schmerge 44-4

Project Number: [none]  
Project Manager: Chelsea Veryser

**Reported:**  
06/18/25 16:44

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

#### Summit Scientific

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

#### Batch BID0569 - General Preparation

##### Duplicate (BID0569-DUP1)

Source: 2504101-01

Prepared & Analyzed: 04/10/25

% Solids	93.1	%	93.7	0.655	20
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Summit Scientific

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Entrada Consulting Group  
240 Mesa Avenue  
Grand Junction, CO, 81501

Project: Chevron - Schmerge 44-4

Project Number: [none]  
Project Manager: Chelsea Varyser

**Reported:**  
06/18/25 16:44

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

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

**Batch BID1455 - General Preparation**

**Blank (BID1455-BLK1)**

Prepared: 04/28/25 Analyzed: 04/30/25

Specific Conductance (EC) ND 0.0100 mmhos/cm

**LCS (BID1455-BS1)**

Prepared: 04/28/25 Analyzed: 04/30/25

Specific Conductance (EC) 0.148 0.0100 mmhos/cm 0.150 98.8 95-105

**Duplicate (BID1455-DUP1)**

**Source: 2504090-01**

Prepared: 04/28/25 Analyzed: 04/30/25

Specific Conductance (EC) 0.627 0.0100 mmhos/cm 0.588 6.46 20

Summit Scientific

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Entrada Consulting Group  
240 Mesa Avenue  
Grand Junction, CO, 81501

Project: Chevron - Schmerge 44-4

Project Number: [none]  
Project Manager: Chelsea Veryser

**Reported:**  
06/18/25 16:44

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction - Quality Control**  
**Summit Scientific**

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

**Batch BID1456 - General Preparation**

**LCS (BID1456-BS1)**

Prepared: 04/28/25 Analyzed: 04/30/25

pH	9.14	pH Units	9.18	99.6	95-105
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**Duplicate (BID1456-DUP1)**

**Source: 2504090-01**

Prepared: 04/28/25 Analyzed: 04/30/25

pH	8.49	pH Units	8.43	0.709	20
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Summit Scientific

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Entrada Consulting Group  
240 Mesa Avenue  
Grand Junction. CO, 81501

Project: Chevron - Schmerge 44-4

Project Number: [none]  
Project Manager: Chelsea Veryser

**Reported:**  
06/18/25 16:44

### 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.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.
I-02	Sample was prepared and/or analyzed outside of holding time.
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