



Entrada Consulting Group

Chelsea Veryser

330 Grand Ave. Unit C

Grand Junction CO 81501

August 19, 2025

**Project Name - Chevron - Wells Ranch USX
AA23-07**

Project Number - [none]

Attached are your analytical results for Chevron - Wells Ranch USX AA23-07 received by Origins Laboratory August 08, 2025. This project is associated with Origins project number E5H0210-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory
303.433.1322
projectmanager@originslab.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645



Entrada Consulting Group
330 Grand Ave. Unit C
Grand Junction CO 81501

Chelsea Veryser
Project Number: [none]
Project: Chevron - Wells Ranch USX AA23-07

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH01@6	E5H0210-01	Soil	August 8, 2025 11:00	08/08/2025 17:10

Origins Laboratory

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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Wells Ranch USX AA23-07



ECHEWU

Page 1 of 1

#	Sample ID	Date	Time	Sampled	# of Containers	Matrix	Preservative	Analysis	Comments
1	W110106	8/8/25	1100	3	S	UNP	X	Table 9/5	
2	W110109		1109						Hold
3	W110109		1110						Hold
4	W110109		1115						Hold
5	W110109		1120						Hold
6									
7									
8									
9									
10									

Requisitioned By: Date: 8/8/25 Time: 15:00 Received By: NB Date: 8/8/25 Time: 15:15
 Requisitioned By: NB Date: 8/8/25 Time: 17:09 Received By: NUC Date: 08/08/25 Time: 17:10

Temp Received: 1.0°C Received On Ice? Yes No

Turnaround Time
 48 Hr 72
 SAME DAY 24 Hr

Client: Entrada
 Address:
 Telephone Number: 393-314-8173
 Project Manager: Chelsea Veryser
 Project Name: Wells Ranch USX AA23-07
 Project Number:
 Collected By: Tom Lohm
 Invoice Billing Info: Bill to Client (Cash Sale)
 S-Soil | SO-Solid | A-Oil | A-Liq | G-Gas | UWP=ultrapres | HQ=Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide
 W=Water
 G=Groundwater
 S=Surface Water
 M=Miscible Water
 L=Liquid

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Chelsea Verysen
Project Number: [none]
Project: Chevron - Wells Ranch USX AA23-07

Origins Laboratory

F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: ESH0210 Client: Entrada
Client Project ID: Wells Ranch - 13-07
Checklist Completed by: SMC/TEH Shipped Via: HD
Date/time completed: 8/11/12 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
Airbill #: N/A
Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
Cooler Number/Temperature: 1/1.0 °C (Describe)
Thermometer ID: T-007

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with Na ₂ O ₂ +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager)

08/11/12
Date/Time Reviewed

Origins Laboratory

ESH

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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Wells Ranch USX AA23-07

WH01@6

8/8/2025 11:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5H0210-01 (Soil)
 GEL Laboratories, LLC**

TOTAL METALS BY 7196A

Hexavalent Chromium	ND	0.112	0.279	mg/kg dry	1	2847257	08/18/2025	08/18/2025	U
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Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.187		0.0998	mg/L	1	B5H1102	08/11/2025	08/12/2025	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B5H1109	08/11/2025	08/11/2025	Ua
Residual Range Organics (C28-C36)	ND		100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	95.1 %				50-150	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.002	mg/kg	1	B5H1122	08/11/2025	08/11/2025	Ua
1,3,5-Trimethylbenzene	ND		0.002	"	"	"	"	"	Ua
Benzene	ND		0.002	"	"	"	"	"	Ua
Ethylbenzene	ND		0.002	"	"	"	"	"	Ua
Toluene	ND		0.002	"	"	"	"	"	Ua
Xylenes, total	ND		0.002	"	"	"	"	"	Ua

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 Project Number: [none]
 Project: Chevron - Wells Ranch USX AA23-07

WH01@6

8/8/2025 11:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5H0210-01 (Soil)									
Origins Laboratory									
GBTEX+TMBs by 8260D									
Gasoline Range Hydrocarbons	ND		0.200	mg/kg	1	B5H1122	08/11/2025	08/11/2025	Ua
Surrogate: 1,2-Dichloroethane-d4	110 %			70-130		"	"	"	
Surrogate: Toluene-d8	100 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	95.9 %			70-130		"	"	"	
Metals by Saturated Paste by EPA 6010									
Calcium	1.45		0.499	meq/L	10	[CALC]	08/11/2025	08/12/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	2.71		0.435	"	"	"	"	"	
PAH by EPA 8270E extracted via 3580A									
1-Methylnaphthalene	ND		0.002	mg/kg	1	B5H1121	08/11/2025	08/11/2025	Ua
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Anthracene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	Ua

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WH01@6

8/8/2025 11:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5H0210-01 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Chrysene	ND		0.020	mg/kg	1	B5H1121	08/11/2025	08/11/2025	Ua
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	Ua
Fluoranthene	ND		0.020	"	"	"	"	"	Ua
Fluorene	ND		0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	99.2 %			60-130		"	"	"	
Surrogate: Anthracene-d10	99.2 %			60-130		"	"	"	
Surrogate: Pyrene-d10	97.1 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	98.0 %			60-130		"	"	"	

pH in Soil by 9045D

pH	8.58			pH Units	1	B5H1106	08/11/2025	08/12/2025	
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SAR by 20B Saturated Paste

SAR	2.86		0.0100	SAR	1	B5H1104	08/11/2025	08/12/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.556		0.00500	mmhos/cm	1	B5H1106	08/11/2025	08/12/2025	
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Chelsea Veryser
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 Project: Chevron - Wells Ranch USX AA23-07

WH01@6

8/8/2025 11:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5H0210-01 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	2.57		0.257	mg/kg	10	B5H1124	08/11/2025	08/13/2025	
Barium	ND		72.8	"	"	"	"	"	Ua
Cadmium	ND		0.337	"	"	"	"	"	Ua
Copper	ND		40.8	"	"	"	"	"	Ua
Lead	ND		12.4	"	"	"	"	"	Ua
Nickel	ND		23.1	"	"	"	"	"	Ua
Selenium	ND		0.231	"	"	"	"	"	Ua
Silver	ND		0.710	"	"	"	"	"	Ua
Zinc	ND		328	"	"	"	"	"	Ua

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Classical Chemistry Parameters - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5H1102 - DTPA Sorbitol Preparation

Blank (B5H1102-BLK1)

Prepared: 08/11/2025 Analyzed: 08/12/2025

Boron	ND	0.100	mg/L							Ua
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Duplicate (B5H1102-DUP1)

Source: E5H0203-01

Prepared: 08/11/2025 Analyzed: 08/12/2025

Boron	0.0736	0.0997	mg/L		0.112			41.8	50	Ua
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Batch B5H1104 - Saturated Paste Metals

Blank (B5H1104-BLK1)

Prepared: 08/11/2025 Analyzed: 08/12/2025

Calcium PPM	ND	10.0	mg/L							Ua
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SAR	ND	0.0100	SAR							Ua
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Magnesium PPM	ND	10.0	mg/L							Ua
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Sodium PPM	ND	10.0	"							Ua
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Duplicate (B5H1104-DUP1)

Source: E5H0207-01

Prepared: 08/11/2025 Analyzed: 08/12/2025

SAR	ND	0.0100	SAR		3.61				200	Ua
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Calcium PPM	16.2	10.0	mg/L		17.7			8.73	50	
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Magnesium PPM	4.96	10.0	"		5.15			3.76	50	Ua
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Sodium PPM	74.8	10.0	"		67.1			11.0	50	
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 Project Number: [none]
 Project: Chevron - Wells Ranch USX AA23-07

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5H1121 - EPA 3580

Blank (B5H1121-BLK1)

Prepared: 08/11/2025 Analyzed: 08/11/2025

1-Methylnaphthalene	ND	0.002	mg/kg							Ua
2-Methylnaphthalene	ND	0.002	"							Ua
Acenaphthene	ND	0.020	"							Ua
Anthracene	ND	0.020	"							Ua
Benzo (a) anthracene	ND	0.005	"							Ua
Benzo (a) pyrene	ND	0.020	"							Ua
Benzo (b) fluoranthene	ND	0.020	"							Ua
Benzo (g,h,i) perylene	ND	0.020	"							Ua
Benzo (k) fluoranthene	ND	0.020	"							Ua
Chrysene	ND	0.020	"							Ua
Dibenz (a,h) anthracene	ND	0.020	"							Ua
Fluoranthene	ND	0.020	"							Ua
Fluorene	ND	0.020	"							Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"							Ua
Naphthalene	ND	0.002	"							Ua
Phenanthrene	ND	0.020	"							Ua
Pyrene	ND	0.020	"							Ua

Surrogate: Fluorene-d10	200		ug/kg	200		98.4	60-130			
Surrogate: Anthracene-d10	210		"	200		103	60-130			
Surrogate: Pyrene-d10	190		"	200		94.9	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		98.7	60-130			

LCS (B5H1121-BS1)

Prepared: 08/11/2025 Analyzed: 08/11/2025

1-Methylnaphthalene	0.204	0.002	mg/kg	0.200		102	70-130			
2-Methylnaphthalene	0.222	0.002	"	0.200		111	70-130			
Acenaphthene	0.189	0.020	"	0.200		94.7	70-130			
Anthracene	0.191	0.020	"	0.200		95.5	70-130			

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 Project: Chevron - Wells Ranch USX AA23-07

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5H1121 - EPA 3580

LCS (B5H1121-BS1)

Prepared: 08/11/2025 Analyzed: 08/11/2025

Benzo (a) anthracene	0.184	0.005	mg/kg	0.200		91.8	70-130			
Benzo (a) pyrene	0.181	0.020	"	0.200		90.3	70-130			
Benzo (b) fluoranthene	0.196	0.020	"	0.200		97.8	70-130			
Benzo (g,h,i) perylene	0.209	0.020	"	0.200		104	70-130			
Benzo (k) fluoranthene	0.171	0.020	"	0.200		85.3	70-130			
Chrysene	0.184	0.020	"	0.200		91.9	70-130			
Dibenz (a,h) anthracene	0.200	0.020	"	0.200		99.8	70-130			
Fluoranthene	0.187	0.020	"	0.200		93.3	70-130			
Fluorene	0.182	0.020	"	0.200		91.0	70-130			
Indeno (1,2,3-cd) pyrene	0.201	0.020	"	0.200		100	70-130			
Naphthalene	0.192	0.002	"	0.200		96.0	70-130			
Phenanthrene	0.195	0.020	"	0.200		97.7	70-130			
Pyrene	0.185	0.020	"	0.200		92.6	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		98.9	60-130			
Surrogate: Anthracene-d10	200		"	200		101	60-130			
Surrogate: Pyrene-d10	190		"	200		95.0	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		103	60-130			

Matrix Spike (B5H1121-MS1)

Source: E5H0202-01

Prepared: 08/11/2025 Analyzed: 08/11/2025

1-Methylnaphthalene	0.194	0.002	mg/kg	0.200	ND	97.1	70-130			
2-Methylnaphthalene	0.212	0.002	"	0.200	ND	106	70-130			
Acenaphthene	0.182	0.020	"	0.200	ND	91.2	70-130			
Anthracene	0.186	0.020	"	0.200	0.0006	92.8	70-130			
Benzo (a) anthracene	0.178	0.005	"	0.200	0.004	87.1	70-130			
Benzo (a) pyrene	0.177	0.020	"	0.200	0.008	84.7	70-130			
Benzo (b) fluoranthene	0.188	0.020	"	0.200	0.010	89.0	70-130			
Benzo (g,h,i) perylene	0.211	0.020	"	0.200	0.012	99.2	70-130			

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 Project Number: [none]
 Project: Chevron - Wells Ranch USX AA23-07

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5H1121 - EPA 3580

Matrix Spike (B5H1121-MS1)		Source: E5H0202-01			Prepared: 08/11/2025 Analyzed: 08/11/2025					
Benzo (k) fluoranthene	0.167	0.020	mg/kg	0.200	0.009	79.0	70-130			
Chrysene	0.180	0.020	"	0.200	0.004	87.5	70-130			
Dibenz (a,h) anthracene	0.191	0.020	"	0.200	0.020	85.6	70-130			
Fluoranthene	0.186	0.020	"	0.200	0.002	92.4	70-130			
Fluorene	0.174	0.020	"	0.200	0.002	86.1	70-130			
Indeno (1,2,3-cd) pyrene	0.201	0.020	"	0.200	0.018	91.5	70-130			
Naphthalene	0.184	0.002	"	0.200	ND	91.9	70-130			
Phenanthrene	0.186	0.020	"	0.200	0.001	92.3	70-130			
Pyrene	0.184	0.020	"	0.200	0.002	91.1	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		99.2	60-130			
Surrogate: Anthracene-d10	200		"	200		100	60-130			
Surrogate: Pyrene-d10	200		"	200		97.9	60-130			
Surrogate: Benzo (a) pyrene-d12	190		"	200		94.8	60-130			

Matrix Spike Dup (B5H1121-MSD1)		Source: E5H0202-01			Prepared: 08/11/2025 Analyzed: 08/11/2025					
1-Methylnaphthalene	0.195	0.002	mg/kg	0.200	ND	97.6	70-130	0.445	20	
2-Methylnaphthalene	0.213	0.002	"	0.200	ND	107	70-130	0.465	20	
Acenaphthene	0.184	0.020	"	0.200	ND	91.8	70-130	0.611	20	
Anthracene	0.181	0.020	"	0.200	0.0006	90.1	70-130	2.95	20	
Benzo (a) anthracene	0.186	0.005	"	0.200	0.004	91.4	70-130	4.68	20	
Benzo (a) pyrene	0.187	0.020	"	0.200	0.008	89.4	70-130	5.17	20	
Benzo (b) fluoranthene	0.196	0.020	"	0.200	0.010	93.1	70-130	4.32	20	
Benzo (g,h,i) perylene	0.215	0.020	"	0.200	0.012	101	70-130	1.97	20	
Benzo (k) fluoranthene	0.172	0.020	"	0.200	0.009	81.8	70-130	3.28	20	
Chrysene	0.182	0.020	"	0.200	0.004	88.9	70-130	1.45	20	
Dibenz (a,h) anthracene	0.211	0.020	"	0.200	0.020	95.6	70-130	9.92	20	
Fluoranthene	0.186	0.020	"	0.200	0.002	92.1	70-130	0.314	20	

Origins Laboratory

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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Wells Ranch USX AA23-07

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5H1121 - EPA 3580

Matrix Spike Dup (B5H1121-MSD1)

Source: E5H0202-01

Prepared: 08/11/2025 Analyzed: 08/11/2025

Fluorene	0.172	0.020	mg/kg	0.200	0.002	85.4	70-130	0.694	20	
Indeno (1,2,3-cd) pyrene	0.213	0.020	"	0.200	0.018	97.7	70-130	6.00	20	
Naphthalene	0.185	0.002	"	0.200	ND	92.5	70-130	0.612	20	
Phenanthrene	0.186	0.020	"	0.200	0.001	92.5	70-130	0.239	20	
Pyrene	0.186	0.020	"	0.200	0.002	92.1	70-130	1.10	20	
Surrogate: Fluorene-d10	200		ug/kg	200		98.3	60-130			
Surrogate: Anthracene-d10	200		"	200		100	60-130			
Surrogate: Pyrene-d10	200		"	200		98.1	60-130			
Surrogate: Benzo (a) pyrene-d12	190		"	200		95.3	60-130			

Origins Laboratory

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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Wells Ranch USX AA23-07

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5H1109 - EPA 3550B

Blank (B5H1109-BLK1)

Prepared: 08/11/2025 Analyzed: 08/11/2025

Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C36)	ND	100	"							Ua
Surrogate: o-Terphenyl	28		"	24.9		114	50-150			

LCS (B5H1109-BS1)

Prepared: 08/11/2025 Analyzed: 08/11/2025

Diesel (C10-C28)	1260	50.0	mg/kg	1000		126	70-130			
Residual Range Organics (C28-C36)	1250	200	"	1000		125	70-130			
Surrogate: o-Terphenyl	59		"	49.8		119	50-150			

Matrix Spike (B5H1109-MS1)

Source: E5H0203-01

Prepared: 08/11/2025 Analyzed: 08/11/2025

Diesel (C10-C28)	1080	50.0	mg/kg	1000	ND	108	70-130			
Residual Range Organics (C28-C36)	1200	200	"	1000	68.7	113	70-130			
Surrogate: o-Terphenyl	48		"	49.8		96.1	50-150			

Matrix Spike Dup (B5H1109-MSD1)

Source: E5H0203-01

Prepared: 08/11/2025 Analyzed: 08/11/2025

Diesel (C10-C28)	1000	50.0	mg/kg	1000	ND	100	70-130	7.82	35	
Residual Range Organics (C28-C36)	1070	200	"	1000	68.7	100	70-130	11.6	35	
Surrogate: o-Terphenyl	46		"	49.8		91.7	50-150			

Origins Laboratory

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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Wells Ranch USX AA23-07

Metals by EPA 6000/7000 Series Methods - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5H1124 - EPA 3050B

Blank (B5H1124-BLK1)

Prepared: 08/11/2025 Analyzed: 08/13/2025

Arsenic	ND	0.290	mg/kg							Ua
Barium	ND	82.0	"							Ua
Cadmium	ND	0.380	"							Ua
Copper	ND	46.0	"							Ua
Lead	ND	14.0	"							Ua
Nickel	ND	26.0	"							Ua
Selenium	ND	0.260	"							Ua
Silver	ND	0.800	"							Ua
Zinc	ND	370	"							Ua

LCS (B5H1124-BS1)

Prepared: 08/11/2025 Analyzed: 08/13/2025

Arsenic	5.68	0.290	mg/kg	5.00		114	80-120			
Barium	523	82.0	"	500		105	80-120			
Cadmium	5.73	0.380	"	5.00		115	80-120			
Copper	54.6	46.0	"	50.0		109	80-120			
Lead	5.39	14.0	"	5.00		108	80-120			Ua
Nickel	5.46	26.0	"	5.00		109	80-120			Ua
Selenium	5.81	0.260	"	5.00		116	80-120			
Silver	5.37	0.800	"	5.00		107	80-120			
Zinc	55.3	370	"	50.0		111	80-120			Ua

Matrix Spike (B5H1124-MS1)

Source: E5H0207-01

Prepared: 08/11/2025 Analyzed: 08/13/2025

Arsenic	8.93	0.284	mg/kg	4.89	3.16	118	75-125			
Barium	667	80.2	"	489	64.4	123	75-125			
Cadmium	6.36	0.372	"	4.89	0.119	128	75-125			QM-07
Copper	67.7	45.0	"	48.9	6.34	125	75-125			
Lead	15.0	13.7	"	4.89	7.53	152	75-125			QM-07

Origins Laboratory

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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Wells Ranch USX AA23-07

Metals by EPA 6000/7000 Series Methods - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5H1124 - EPA 3050B

Matrix Spike (B5H1124-MS1)

Source: E5H0207-01

Prepared: 08/11/2025 Analyzed: 08/13/2025

Nickel	11.8	25.4	mg/kg	4.89	5.57	128	75-125			QM-07, Ua
Selenium	6.14	0.254	"	4.89	0.153	122	75-125			
Silver	5.92	0.783	"	4.89	0.0166	121	75-125			
Zinc	83.4	362	"	48.9	28.1	113	75-125			Ua

Matrix Spike Dup (B5H1124-MSD1)

Source: E5H0207-01

Prepared: 08/11/2025 Analyzed: 08/13/2025

Arsenic	9.07	0.267	mg/kg	4.61	3.16	128	75-125	1.51	20	QM-07
Barium	601	75.6	"	461	64.4	116	75-125	10.4	20	
Cadmium	5.70	0.350	"	4.61	0.119	121	75-125	11.0	20	
Copper	61.1	42.4	"	46.1	6.34	119	75-125	10.2	20	
Lead	12.9	12.9	"	4.61	7.53	117	75-125	14.6	20	Ua
Nickel	11.7	24.0	"	4.61	5.57	133	75-125	1.01	20	QM-07, Ua
Selenium	5.52	0.240	"	4.61	0.153	116	75-125	10.6	20	
Silver	5.19	0.738	"	4.61	0.0166	112	75-125	13.0	20	
Zinc	82.5	341	"	46.1	28.1	118	75-125	1.02	20	Ua

Origins Laboratory

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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Wells Ranch USX AA23-07

Saturated Paste - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5H1106 - Saturated Paste pH/EC

Blank (B5H1106-BLK1)

Prepared: 08/11/2025 Analyzed: 08/12/2025

Specific Conductance (EC)	ND	0.00500	mmhos/cm							Ua
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Duplicate (B5H1106-DUP1)

Source: E5H0207-01

Prepared: 08/11/2025 Analyzed: 08/12/2025

pH	8.38		pH Units		8.38			0.00	25	
Specific Conductance (EC)	0.514	0.00500	mmhos/cm		0.478			7.33	25	

Origins Laboratory

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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Wells Ranch USX AA23-07

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5H1122 - EPA 5030 (soil)

Blank (B5H1122-BLK1)

Prepared: 08/11/2025 Analyzed: 08/11/2025

1,2,4-Trimethylbenzene	ND	0.002	mg/kg							Ua
1,3,5-Trimethylbenzene	ND	0.002	"							Ua
Benzene	ND	0.002	"							Ua
Ethylbenzene	ND	0.002	"							Ua
Naphthalene	ND	0.004	"							Ua
Toluene	ND	0.002	"							Ua
Xylenes, total	ND	0.002	"							Ua
Gasoline Range Hydrocarbons	ND	0.200	"							Ua

Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		103	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		97.4	70-130			

LCS (B5H1122-BS1)

Prepared: 08/11/2025 Analyzed: 08/11/2025

1,2,4-Trimethylbenzene	0.113	0.002	mg/kg	0.100		113	70-130			
1,3,5-Trimethylbenzene	0.113	0.002	"	0.100		113	70-130			
Benzene	0.111	0.002	"	0.100		111	70-130			
Ethylbenzene	0.117	0.002	"	0.100		117	70-130			
Naphthalene	0.103	0.004	"	0.100		103	70-130			
Toluene	0.111	0.002	"	0.100		111	70-130			
o-Xylene	0.114	0.002	"	0.100		114	70-130			
m,p-Xylene	0.219	0.004	"	0.200		109	70-130			

Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		95.6	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

Matrix Spike (B5H1122-MS1)

Source: E5H0203-01

Prepared: 08/11/2025 Analyzed: 08/12/2025

1,2,4-Trimethylbenzene	0.094	0.002	mg/kg	0.100	ND	93.9	70-130			
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Origins Laboratory

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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Wells Ranch USX AA23-07

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5H1122 - EPA 5030 (soil)

Matrix Spike (B5H1122-MS1)			Source: E5H0203-01			Prepared: 08/11/2025 Analyzed: 08/12/2025				
1,3,5-Trimethylbenzene	0.095	0.002	mg/kg	0.100	ND	94.8	70-130			
Benzene	0.094	0.002	"	0.100	ND	93.7	70-130			
Ethylbenzene	0.098	0.002	"	0.100	ND	98.5	70-130			
Naphthalene	0.077	0.004	"	0.100	ND	76.8	70-130			
Toluene	0.095	0.002	"	0.100	ND	94.6	70-130			
o-Xylene	0.096	0.002	"	0.100	ND	96.4	70-130			
m,p-Xylene	0.183	0.004	"	0.200	ND	91.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		100	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

Matrix Spike Dup (B5H1122-MSD1)			Source: E5H0203-01			Prepared: 08/11/2025 Analyzed: 08/12/2025				
1,2,4-Trimethylbenzene	0.108	0.002	mg/kg	0.100	ND	108	70-130	14.1	20	
1,3,5-Trimethylbenzene	0.107	0.002	"	0.100	ND	107	70-130	12.0	20	
Benzene	0.114	0.002	"	0.100	ND	114	70-130	19.8	20	
Ethylbenzene	0.113	0.002	"	0.100	ND	113	70-130	13.9	20	
Naphthalene	0.099	0.004	"	0.100	ND	98.8	70-130	25.0	20	QR-02
Toluene	0.111	0.002	"	0.100	ND	111	70-130	16.0	20	
o-Xylene	0.111	0.002	"	0.100	ND	111	70-130	14.4	20	
m,p-Xylene	0.211	0.004	"	0.200	ND	105	70-130	14.2	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		102	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	70-130			

Origins Laboratory

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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Wells Ranch USX AA23-07

TOTAL METALS BY 7196A - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2847257 - SW846 3060A

BLANK (1206202775-BLK)

Prepared: 08/18/2025 Analyzed: 08/18/2025

Hexavalent Chromium	ND	0.380	mg/kg				-			U
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LCS (1206202776-BKS)

Prepared: 08/18/2025 Analyzed: 08/18/2025

Hexavalent Chromium	3.72	0.362	mg/kg	3.62		103	80-120			
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DUP (1206202777 D)

Source: 737754001

Prepared: 08/18/2025 Analyzed: 08/18/2025

Hexavalent Chromium	ND	0.466	mg/kg dry		<0.186		0-50	N/A	50	U
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MS (1206202778 S)

Source: 737754001

Prepared: 08/18/2025 Analyzed: 08/18/2025

Hexavalent Chromium	2.40	0.409	mg/kg dry	4.09	<0.164	58.5	75-125			
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DUP (1206202779 D)

Source: 737763001

Prepared: 08/18/2025 Analyzed: 08/18/2025

Hexavalent Chromium	ND	0.289	mg/kg dry		<0.116		0-50	N/A	50	U
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MS (1206202780 S)

Source: 737763001

Prepared: 08/18/2025 Analyzed: 08/18/2025

Hexavalent Chromium	1.98	0.416	mg/kg dry	4.16	<0.166	45.8	75-125			
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ILCS (1206202800-ILCS)

Prepared: 08/18/2025 Analyzed: 08/18/2025

Hexavalent Chromium	8.02	0.380	mg/kg	7.61		105	80-120			
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Origins Laboratory

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Entrada Consulting Group
330 Grand Ave. Unit C
Grand Junction CO 81501

Chelsea Veryser
Project Number: [none]
Project: Chevron - Wells Ranch USX AA23-07

Notes and Definitions

- Ua Sample is Non-Detect.
 - U Result not detected above the detection limit
 - QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
 - QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
 - ND Analyte NOT DETECTED at or above the reporting limit
 - RPD Relative Percent Difference
- All soil results are reported on a wet weight basis.

Origins Laboratory

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