



Entrada Consulting Group

September 03, 2025

Chelsea Verysler

330 Grand Ave. Unit C

Grand Junction CO 81501

**Project Name - Chevron - Wells Ranch USX AA
15-17**

Project Number - [none]

Attached are your analytical results for Chevron - Wells Ranch USX AA 15-17 received by Origins Laboratory August 14, 2025. This project is associated with Origins project number E5H0333-01.

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 AA 15-17

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH01@6	E5H0333-01	Soil	August 14, 2025 11:00	08/14/2025 17:23

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 AA 15-17



ESHO555

Page 1 of 1

Client: Entrada
 Project Manager: Chelsea Verysen
 Address: _____
 Project Name: Wells Ranch USX AA 15-17
 Telephone Number: 303 314 8403
 Project Number: _____
 Email Address: Chelsea.Verysen@entrada.com
 Invoiced Billing Info: 311 W 20th St #111 Grand Junction CO 81501
 Collected By: J. Verysen
 Key: W=Water GI=Groundwater SW=Surface Water MW=Misc Water L=Liquid

Registrar By: [Signature] Date: 8/14/15 Time: 1500
 Requisitioned By: [Signature] Date: 8/14/15 Time: 1735
 Received By: [Signature] Date: 8/14/15 Time: 5:47
 Temp Received: 17°C Received On Ice? Yes No
 Standard 48 Hr 72 Hr
 SAME DAY 24 Hr

#	Sample ID	Date	Time	# of Containers	Matrix Preservative	Analysis		Comments
						Site	Lab	
1	WHL-06	8/14/15	1600	3	VPF	X		HPL
2	WHL-06A	8/14/15	1605	1				HPL
3	WHL-06B	8/14/15	1110	1				HPL
4	WHL-06C	8/14/15	1115	1				HPL
5	WHL-06D	8/14/15	1120	1				HPL

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[Signature]

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Entrada Consulting Group
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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Wells Ranch USX AA 15-17

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

Sample Receipt Checklist

Origins Work Order: ESH0333 Client: Entrada
 Client Project ID: Wells - 15-17
 Checklist Completed by: ame/ame Shipped Via: HD
 Date/time completed: 8/15/25 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: N/A
 Matrix(s) Received: (Check all that apply): 2 Soil/Solid Water Other:
 Cooler Number/Temperature: 1/1.2 °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"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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"/>	<input type="checkbox"/>	<input 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"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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"/>	<input type="checkbox"/>	<input 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 HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaOH/Na2CO3/Na2O)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

08/18/25
Date/Time Reviewed

Origins Laboratory

EHO

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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 AA 15-17

WH01@6
 8/14/2025 11:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5H0333-01 (Soil)									
Enthalpy Orange									
TOTAL METALS BY EPA 7199									
Hexavalent Chromium	ND	0.17	0.32	mg/Kg dry	1	379934	08/21/2025	08/22/2025	ND
Origins Laboratory									
Boron (DTPA Sorbitol)									
(DTPA Sorbitol) Boron	ND		0.0984	mg/L	1	B5H1509	08/15/2025	08/18/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		26.8	mg/kg dry	1	B5H1529	08/15/2025	08/18/2025	U
Residual Range Organics (C28-C36)	ND		107	"	"	"	"	"	U
Surrogate: o-Terphenyl	87.6 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.002	mg/kg dry	1	B5H1601	08/17/2025	08/17/2025	U
1,3,5-Trimethylbenzene	ND		0.002	"	"	"	"	"	U
Benzene	ND		0.002	"	"	"	"	"	U
Ethylbenzene	ND		0.002	"	"	"	"	"	U
Toluene	ND		0.002	"	"	"	"	"	U
Xylenes, total	ND		0.002	"	"	"	"	"	U

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Chelsea Veryser
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WH01@6

8/14/2025 11:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5H0333-01 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND		0.214	mg/kg dry	1	B5H1601	08/17/2025	08/17/2025	U
Surrogate: 1,2-Dichloroethane-d4	102 %			70-130		"	"	"	
Surrogate: Toluene-d8	101 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	93.8 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.49		0.499	meq/L	10	[CALC]	08/15/2025	08/18/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg dry	1	B5H1532	08/15/2025	08/16/2025	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.021	"	"	"	"	"	U
Anthracene	ND		0.021	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.021	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.021	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.021	"	"	"	"	"	U

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Chelsea Veryser
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 Project: Chevron - Wells Ranch USX AA 15-17

WH01@6

8/14/2025 11:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5H0333-01 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Chrysene	ND		0.021	mg/kg dry	1	B5H1532	08/15/2025	08/16/2025	U
Dibenz (a,h) anthracene	ND		0.021	"	"	"	"	"	U
Fluoranthene	ND		0.021	"	"	"	"	"	U
Fluorene	ND		0.021	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.021	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	ND		0.021	"	"	"	"	"	U

Surrogate: Fluorene-d10	99.1 %			60-130		"	"	"	
Surrogate: Anthracene-d10	97.0 %			60-130		"	"	"	
Surrogate: Pyrene-d10	96.9 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	101 %			60-130		"	"	"	

Percent Solids

Total Solids, Percent	93.3			mass percent	1	B5H1537	08/15/2025	08/19/2025	
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pH in Soil by 9045D

pH	8.15			pH Units	1	B5H1514	08/15/2025	08/16/2025	
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SAR by 20B Saturated Paste

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Chelsea Veryser
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WH01@6
 8/14/2025 11:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5H0333-01 (Soil)									
Origins Laboratory									
SAR by 20B Saturated Paste									
SAR	0.152		0.0100	SAR	1	B5H1506	08/15/2025	08/18/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.265		0.00500	mmhos/cm	1	B5H1514	08/15/2025	08/16/2025	
Table 915 metals by EPA 6020B									
Arsenic	4.95		0.287	mg/kg dry	10	B5H1926	08/19/2025	08/21/2025	
Barium	91.5		81.3	"	"	"	"	"	
Cadmium	ND		0.377	"	"	"	"	"	U
Copper	ND		45.6	"	"	"	"	"	U
Lead	ND		13.9	"	"	"	"	"	U
Nickel	ND		25.8	"	"	"	"	"	U
Selenium	0.289		0.258	"	"	"	"	"	
Silver	ND		0.793	"	"	"	"	"	U
Zinc	ND		367	"	"	"	"	"	U

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 Project: Chevron - Wells Ranch USX AA 15-17

*** DEFAULT GENERAL METHOD *** - 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 B5H1537 - % Solids

Duplicate (B5H1537-DUP1)

Source: E5H0330-06

Prepared: 08/15/2025 Analyzed: 08/19/2025

Total Solids, Percent	96.3		mass percent		95.6			0.657	200	
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Duplicate (B5H1537-DUP2)

Source: E5H0330-01

Prepared: 08/15/2025 Analyzed: 08/19/2025

Total Solids, Percent	87.5		mass percent		87.8			0.364	200	
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Entrada Consulting Group
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 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Wells Ranch USX AA 15-17

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 B5H1506 - Saturated Paste Metals

Blank (B5H1506-BLK1)

Prepared: 08/15/2025 Analyzed: 08/18/2025

Calcium PPM	ND	10.0	mg/L							U
SAR	ND	0.0100	SAR							U
Magnesium PPM	ND	10.0	mg/L							U
Sodium PPM	ND	10.0	"							U

Duplicate (B5H1506-DUP1)

Source: E5H0330-06

Prepared: 08/15/2025 Analyzed: 08/18/2025

Calcium PPM	20.5	10.0	mg/L		16.8			19.5	50	
SAR	ND	0.0100	SAR		0.261				200	U
Magnesium PPM	4.84	10.0	mg/L		4.16			15.1	50	U
Sodium PPM	5.46	10.0	"		4.62			16.7	50	U

Batch B5H1509 - DTPA Sorbitol Preparation

Blank (B5H1509-BLK1)

Prepared: 08/15/2025 Analyzed: 08/18/2025

(DTPA Sorbitol) Boron	ND	0.100	mg/L							U
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Duplicate (B5H1509-DUP1)

Source: E5H0330-07

Prepared: 08/15/2025 Analyzed: 08/18/2025

(DTPA Sorbitol) Boron	0.239	0.101	mg/L		0.227			5.12	50	
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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Wells Ranch USX AA 15-17

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 B5H1532 - EPA 3580

Blank (B5H1532-BLK1)

Prepared: 08/15/2025 Analyzed: 08/15/2025

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

Surrogate: Fluorene-d10	200		ug/kg	200	100	60-130
Surrogate: Anthracene-d10	200		"	200	97.7	60-130
Surrogate: Pyrene-d10	190		"	200	96.5	60-130
Surrogate: Benzo (a) pyrene-d12	200		"	200	102	60-130

LCS (B5H1532-BS1)

Prepared: 08/15/2025 Analyzed: 08/15/2025

1-Methylnaphthalene	0.206	0.002	mg/kg wet	0.200	103	70-130
2-Methylnaphthalene	0.223	0.002	"	0.200	112	70-130
Acenaphthene	0.194	0.020	"	0.200	96.9	70-130
Anthracene	0.185	0.020	"	0.200	92.5	70-130
Benzo (a) anthracene	0.184	0.005	"	0.200	91.9	70-130
Benzo (a) pyrene	0.185	0.020	"	0.200	92.3	70-130

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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Wells Ranch USX AA 15-17

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 B5H1532 - EPA 3580

LCS (B5H1532-BS1)

Prepared: 08/15/2025 Analyzed: 08/15/2025

Benzo (b) fluoranthene	0.188	0.020	mg/kg wet	0.200		93.9	70-130			
Benzo (k) fluoranthene	0.190	0.020	"	0.200		94.9	70-130			
Chrysene	0.195	0.020	"	0.200		97.6	70-130			
Dibenz (a,h) anthracene	0.198	0.020	"	0.200		98.9	70-130			
Fluoranthene	0.193	0.020	"	0.200		96.4	70-130			
Fluorene	0.189	0.020	"	0.200		94.4	70-130			
Indeno (1,2,3-cd) pyrene	0.199	0.020	"	0.200		99.3	70-130			
Naphthalene	0.195	0.002	"	0.200		97.3	70-130			
Pyrene	0.191	0.020	"	0.200		95.3	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	190		"	200		97.0	60-130			
Surrogate: Pyrene-d10	190		"	200		96.8	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

Matrix Spike (B5H1532-MS1)

Source: E5H0306-01

Prepared: 08/15/2025 Analyzed: 08/15/2025

1-Methylnaphthalene	0.215	0.002	mg/kg wet	0.200	ND	108	70-130			
2-Methylnaphthalene	0.233	0.002	"	0.200	ND	117	70-130			
Acenaphthene	0.202	0.020	"	0.200	ND	101	70-130			
Anthracene	0.190	0.020	"	0.200	0.002	94.5	70-130			
Benzo (a) anthracene	0.188	0.005	"	0.200	ND	94.2	70-130			
Benzo (a) pyrene	0.207	0.020	"	0.200	0.002	103	70-130			
Benzo (b) fluoranthene	0.213	0.020	"	0.200	0.001	106	70-130			
Benzo (k) fluoranthene	0.205	0.020	"	0.200	0.001	102	70-130			
Chrysene	0.195	0.020	"	0.200	0.002	97.0	70-130			
Dibenz (a,h) anthracene	0.219	0.020	"	0.200	0.002	109	70-130			
Fluoranthene	0.199	0.020	"	0.200	0.0007	99.3	70-130			
Fluorene	0.195	0.020	"	0.200	0.0006	97.0	70-130			

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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Wells Ranch USX AA 15-17

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 B5H1532 - EPA 3580

Matrix Spike (B5H1532-MS1)

Source: E5H0306-01

Prepared: 08/15/2025 Analyzed: 08/15/2025

Indeno (1,2,3-cd) pyrene	0.215	0.020	mg/kg wet	0.200	0.002	106	70-130			
Naphthalene	0.214	0.002	"	0.200	0.012	101	70-130			
Pyrene	0.198	0.020	"	0.200	0.0009	98.5	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	190		"	200		96.0	60-130			
Surrogate: Pyrene-d10	190		"	200		95.7	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130			

Matrix Spike Dup (B5H1532-MSD1)

Source: E5H0306-01

Prepared: 08/15/2025 Analyzed: 08/15/2025

1-Methylnaphthalene	0.214	0.002	mg/kg wet	0.200	ND	107	70-130	0.817	20	
2-Methylnaphthalene	0.232	0.002	"	0.200	ND	116	70-130	0.735	20	
Acenaphthene	0.200	0.020	"	0.200	ND	100	70-130	0.896	20	
Anthracene	0.195	0.020	"	0.200	0.002	96.9	70-130	2.58	20	
Benzo (a) anthracene	0.189	0.005	"	0.200	ND	94.7	70-130	0.510	20	
Benzo (a) pyrene	0.210	0.020	"	0.200	0.002	104	70-130	1.58	20	
Benzo (b) fluoranthene	0.229	0.020	"	0.200	0.001	114	70-130	7.37	20	
Benzo (k) fluoranthene	0.208	0.020	"	0.200	0.001	103	70-130	1.36	20	
Chrysene	0.197	0.020	"	0.200	0.002	97.6	70-130	0.626	20	
Dibenz (a,h) anthracene	0.222	0.020	"	0.200	0.002	110	70-130	1.22	20	
Fluoranthene	0.199	0.020	"	0.200	0.0007	99.3	70-130	0.0198	20	
Fluorene	0.194	0.020	"	0.200	0.0006	96.6	70-130	0.400	20	
Indeno (1,2,3-cd) pyrene	0.221	0.020	"	0.200	0.002	109	70-130	2.67	20	
Naphthalene	0.212	0.002	"	0.200	0.012	99.9	70-130	0.710	20	
Pyrene	0.197	0.020	"	0.200	0.0009	98.0	70-130	0.540	20	
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	190		"	200		97.4	60-130			
Surrogate: Pyrene-d10	190		"	200		95.8	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 AA 15-17

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 B5H1532 - EPA 3580

Matrix Spike Dup (B5H1532-MSD1)

Source: E5H0306-01

Prepared: 08/15/2025 Analyzed: 08/15/2025

Surrogate: Benzo (a) pyrene-d12	200		ug/kg	200	99.1	60-130				
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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 AA 15-17

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 B5H1529 - EPA 3550B

Prepared: 08/15/2025 Analyzed: 08/18/2025

Blank (B5H1529-BLK1)

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

LCS (B5H1529-BS1)

Prepared: 08/15/2025 Analyzed: 08/18/2025

Diesel (C10-C28)	1030	50.0	mg/kg wet	1000		103	70-130			
Residual Range Organics (C28-C36)	1010	200	"	1000		101	70-130			
Surrogate: o-Terphenyl	55		"	49.8		110	50-150			

Matrix Spike (B5H1529-MS1)

Source: E5H0328-01

Prepared: 08/15/2025 Analyzed: 08/18/2025

Diesel (C10-C28)	1260	56.3	mg/kg dry	1130	ND	112	70-130			
Residual Range Organics (C28-C36)	1310	225	"	1130	ND	116	70-130			
Surrogate: o-Terphenyl	59		"	56.0		106	50-150			

Matrix Spike Dup (B5H1529-MSD1)

Source: E5H0328-01

Prepared: 08/15/2025 Analyzed: 08/18/2025

Diesel (C10-C28)	1220	56.3	mg/kg dry	1130	ND	109	70-130	2.76	35	
Residual Range Organics (C28-C36)	1260	225	"	1130	ND	112	70-130	3.62	35	
Surrogate: o-Terphenyl	59		"	56.0		106	50-150			

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 AA 15-17

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 B5H1926 - EPA 3050B

Blank (B5H1926-BLK1)

Prepared: 08/19/2025 Analyzed: 08/21/2025

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

LCS (B5H1926-BS1)

Prepared: 08/19/2025 Analyzed: 08/21/2025

Arsenic	5.23	0.290	mg/kg wet	5.00		105	80-120			
Barium	555	82.0	"	500		111	80-120			
Cadmium	5.34	0.380	"	5.00		107	80-120			
Copper	51.0	46.0	"	50.0		102	80-120			
Lead	5.37	14.0	"	5.00		107	80-120			U
Nickel	5.21	26.0	"	5.00		104	80-120			U
Selenium	5.38	0.260	"	5.00		108	80-120			
Silver	5.47	0.800	"	5.00		109	80-120			
Zinc	49.9	370	"	50.0		99.8	80-120			U

Matrix Spike (B5H1926-MS1)

Source: E5H0329-01

Prepared: 08/19/2025 Analyzed: 08/21/2025

Arsenic	8.13	0.265	mg/kg dry	4.56	4.01	90.2	75-125			
Barium	520	74.8	"	456	54.3	102	75-125			
Cadmium	4.48	0.347	"	4.56	0.153	94.8	75-125			
Copper	49.3	42.0	"	45.6	6.33	94.3	75-125			
Lead	14.6	12.8	"	4.56	8.07	143	75-125			QM-07

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 AA 15-17

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 B5H1926 - EPA 3050B

Matrix Spike (B5H1926-MS1)

Source: E5H0329-01

Prepared: 08/19/2025 Analyzed: 08/21/2025

Nickel	9.78	23.7	mg/kg dry	4.56	5.26	99.0	75-125			U
Selenium	4.54	0.237	"	4.56	0.128	96.7	75-125			
Silver	4.50	0.730	"	4.56	0.0433	97.8	75-125			
Zinc	66.2	338	"	45.6	23.1	94.5	75-125			U

Matrix Spike Dup (B5H1926-MSD1)

Source: E5H0329-01

Prepared: 08/19/2025 Analyzed: 08/21/2025

Arsenic	8.17	0.265	mg/kg dry	4.57	4.01	90.9	75-125	0.485	20	
Barium	551	74.9	"	457	54.3	109	75-125	5.74	20	
Cadmium	4.78	0.347	"	4.57	0.153	101	75-125	6.51	20	
Copper	52.6	42.0	"	45.7	6.33	101	75-125	6.47	20	
Lead	13.9	12.8	"	4.57	8.07	127	75-125	5.20	20	QM-07
Nickel	9.63	23.8	"	4.57	5.26	95.6	75-125	1.51	20	U
Selenium	4.87	0.238	"	4.57	0.128	104	75-125	7.10	20	
Silver	4.77	0.731	"	4.57	0.0433	104	75-125	5.82	20	
Zinc	65.1	338	"	45.7	23.1	91.8	75-125	1.74	20	U

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 AA 15-17

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 B5H1514 - Saturated Paste pH/EC

Blank (B5H1514-BLK1)

Prepared: 08/15/2025 Analyzed: 08/16/2025

Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
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Duplicate (B5H1514-DUP1)

Source: E5H0330-06

Prepared: 08/15/2025 Analyzed: 08/16/2025

Specific Conductance (EC)	0.198	0.00500	mmhos/cm		0.167			17.4		25
pH	8.29		pH Units		8.34			0.601		25

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 AA 15-17

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 B5H1601 - EPA 5030 (soil)

Blank (B5H1601-BLK1)

Prepared: 08/17/2025 Analyzed: 08/17/2025

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

Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		92.8	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.3	70-130			

LCS (B5H1601-BS1)

Prepared: 08/17/2025 Analyzed: 08/17/2025

1,2,4-Trimethylbenzene	0.099	0.002	mg/kg wet	0.100		98.7	70-130			
1,3,5-Trimethylbenzene	0.099	0.002	"	0.100		99.3	70-130			
Benzene	0.088	0.002	"	0.100		88.1	70-130			
Ethylbenzene	0.099	0.002	"	0.100		99.4	70-130			
Toluene	0.095	0.002	"	0.100		94.9	70-130			
o-Xylene	0.097	0.002	"	0.100		96.7	70-130			
m,p-Xylene	0.185	0.004	"	0.200		92.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		93.2	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

Matrix Spike (B5H1601-MS1)

Source: E5H0329-01

Prepared: 08/17/2025 Analyzed: 08/17/2025

1,2,4-Trimethylbenzene	0.108	0.002	mg/kg dry	0.106	ND	102	70-130			
1,3,5-Trimethylbenzene	0.108	0.002	"	0.106	ND	101	70-130			
Benzene	0.095	0.002	"	0.106	ND	88.8	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 AA 15-17

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 B5H1601 - EPA 5030 (soil)

Matrix Spike (B5H1601-MS1)

Source: E5H0329-01

Prepared: 08/17/2025 Analyzed: 08/17/2025

Ethylbenzene	0.106	0.002	mg/kg dry	0.106	ND	99.1	70-130			
Toluene	0.103	0.002	"	0.106	ND	97.1	70-130			
o-Xylene	0.105	0.002	"	0.106	ND	98.7	70-130			
m,p-Xylene	0.198	0.004	"	0.213	ND	92.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.133		96.1	70-130			
Surrogate: Toluene-d8	0.13		"	0.133		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.133		99.0	70-130			

Matrix Spike Dup (B5H1601-MSD1)

Source: E5H0329-01

Prepared: 08/17/2025 Analyzed: 08/17/2025

1,2,4-Trimethylbenzene	0.099	0.002	mg/kg dry	0.106	ND	93.0	70-130	9.10	20	
1,3,5-Trimethylbenzene	0.099	0.002	"	0.106	ND	93.1	70-130	8.61	20	
Benzene	0.092	0.002	"	0.106	ND	86.9	70-130	2.16	20	
Ethylbenzene	0.099	0.002	"	0.106	ND	93.3	70-130	6.01	20	
Toluene	0.098	0.002	"	0.106	ND	92.5	70-130	4.83	20	
o-Xylene	0.098	0.002	"	0.106	ND	92.0	70-130	7.07	20	
m,p-Xylene	0.187	0.004	"	0.213	ND	87.8	70-130	5.59	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.133		96.0	70-130			
Surrogate: Toluene-d8	0.13		"	0.133		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.133		99.8	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 AA 15-17

TOTAL METALS BY EPA 7199 - Quality Control
Enthalpy Orange

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 379934 - EPA 3060A										
BLANK (QC1286785)										
					Prepared: 08/21/2025 Analyzed: 08/22/2025					
Hexavalent Chromium	ND	0.30	mg/Kg				-			ND
LCS (QC1286786)										
					Prepared: 08/21/2025 Analyzed: 08/22/2025					
Hexavalent Chromium	38.63	0.5929	mg/Kg	39.53		98	80-120			
Duplicate (QC1286787)										
					Source: 540281-001 Prepared: 08/21/2025 Analyzed: 08/22/2025					
Hexavalent Chromium	ND	0.3474	mg/Kg dry		0		-		30	ND
Matrix Spike (QC1286788)										
					Source: 540281-001 Prepared: 08/21/2025 Analyzed: 08/22/2025					
Hexavalent Chromium	52.67	0.6977	mg/Kg dry	46.51	0	113	70-130			

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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 AA 15-17

Notes and Definitions

- U Sample is Non-Detect.
 - 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 Not Detected
 - ND Analyte NOT DETECTED at or above the reporting limit
 - RPD Relative Percent Difference
- All soil results are reported on a wet weight basis.

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