



**Entrada Consulting Group**

**August 26, 2025**

**Chelsea Veryser**

**330 Grand Ave. Unit C**

**Grand Junction CO 81501**

**Project Name - Chevron - Wells Ranch USX AA  
13-25**

**Project Number - [none]**

Attached are your analytical results for Chevron - Wells Ranch USX AA 13-25 received by Origins Laboratory August 15, 2025. This project is associated with Origins project number E5H0361-01.

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





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

Chelsea Veryser  
Project Number: [none]  
Project: Chevron - Wells Ranch USX AA 13-25

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH01@6	E5H0361-01	Soil	August 15, 2025 9:00	08/15/2025 17:13

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# ORIGINS LABORATORY

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

Chelsea Verysen  
 Project Number: [none]  
 Project: Chevron - Wells Ranch USX AA 13-25



Phone: 970.243.8888

Website: [www.originslab.com](http://www.originslab.com)

Page 1 of 1

Client: Entrada

Project Manager: Chelsea Verysen

Telephone Number: 970.319.8123

Collected By: Tom Larson

SW=Surface Water

Email Address: Chelsea.Verysen@entrada.com

Invoice Billing Info: Bill to (Entrada Cust. Smith)

WW=Waste Water

Address: 1225 Elk Ridge Dr. Grand Junction, CO 81501

Project Name: Wells Ranch USX AA 13-25

GW=Groundwater

Analysis: SS-Solids (0-2000 µm) | A-Fat | G-Gas | UPP-Solids | HCL-Hydrochloric | HNO3-Nitric | H2SO4-Sulfuric | NaOH-Sodium Hydroxide

Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix Preservative	Analysis	Comments
W101-06	8/15/25	0900	3	W1	Table 915	
W101-N-01	8/15/25	0905	1			
W101-E-01	8/15/25	0910	1			
W101-W-01	8/15/25	0915	1			
W101-S-01	8/15/25	0920	1			

Requisitioned By: [Signature] Date: 8/15/25 Time: 1400 Received By: TE1 Date: 8/15/25 Time: 1427

Requisitioned By: [Signature] Date: 8/15/25 Time: 1708 Received By: NLS-1 Date: 08/15/25 Time: 1713

Temp Received: 08C Received On Ice?  Yes  No

Turnaround Time:  SAME DAY  24 Hr  72 Hr

Standard

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### Sample Receipt Checklist

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

Origins Work Order: ES10361

Client: Entrada  
 Client Project ID: Wells Ranch - 13-25

Checklist Completed by: gmc / smc  
 Date/time completed: 9/19/25

Shipped Via: HD  
 (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, 0.5 °C /          °C /          °C (Describe)

Thermometer ID: T007

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?	<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 <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<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 <sup>(1)</sup> ? (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 NaAsO2+NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

Reviewed by (Project Manager)

08/19/25  
 Date/Time Reviewed

Origins Laboratory

*EHO*

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Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Wells Ranch USX AA 13-25

WH01@6  
 8/15/2025 9:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0361-01 (Soil)</b>									
<b>Enthalpy Orange</b>									
<b>TOTAL METALS BY EPA 7199</b>									
Hexavalent Chromium	ND	0.15	0.29	mg/Kg	1	379934	08/21/2025	08/22/2025	ND
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
(DTPA Sorbitol) Boron	0.250		0.101	mg/L	1	B5H1804	08/18/2025	08/19/2025	
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		28.0	mg/kg dry	1	B5H1801	08/18/2025	08/19/2025	U
Residual Range Organics (C28-C36)	ND		112	"	"	"	"	"	U
Surrogate: o-Terphenyl	98.6 %			50-150		"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.002	mg/kg dry	1	B5H1809	08/18/2025	08/19/2025	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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 Project Number: [none]  
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WH01@6

8/15/2025 9:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5H0361-01 (Soil)**  
**Origins Laboratory**

**GBTEX+TMBs by 8260D**

Gasoline Range Hydrocarbons	ND		0.224	mg/kg dry	1	B5H1809	08/18/2025	08/19/2025	U
Surrogate: 1,2-Dichloroethane-d4	101 %			70-130		"	"	"	
Surrogate: Toluene-d8	100 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	94.1 %			70-130		"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	1.51		0.499	meq/L	10	[CALC]	08/18/2025	08/19/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.954		0.435	"	"	"	"	"	

**PAH by EPA 8270E extracted via 3580A**

1-Methylnaphthalene	ND		0.002	mg/kg dry	1	B5H1821	08/18/2025	08/18/2025	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.022	"	"	"	"	"	U
Anthracene	ND		0.022	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.006	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.022	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.022	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.022	"	"	"	"	"	U

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WH01@6  
 8/15/2025 9:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5H0361-01 (Soil)  
 Origins Laboratory

**PAH by EPA 8270E extracted via 3580A**

Chrysene	ND		0.022	mg/kg dry	1	B5H1821	08/18/2025	08/18/2025	U
Dibenz (a,h) anthracene	ND		0.022	"	"	"	"	"	U
Fluoranthene	ND		0.022	"	"	"	"	"	U
Fluorene	ND		0.022	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.022	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	ND		0.022	"	"	"	"	"	U

Surrogate: Fluorene-d10	98.6 %			60-130		"	"	"	
Surrogate: Anthracene-d10	97.5 %			60-130		"	"	"	
Surrogate: Pyrene-d10	94.6 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	101 %			60-130		"	"	"	

**Percent Solids**

Total Solids, Percent	89.3			mass percent	1	B5H1841	08/18/2025	08/20/2025	
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**pH in Soil by 9045D**

pH	8.02			pH Units	1	B5H1806	08/18/2025	08/19/2025	
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**SAR by 20B Saturated Paste**

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WH01@6

8/15/2025 9:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0361-01 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>SAR by 20B Saturated Paste</b>									
SAR	0.906		0.0100	SAR	1	B5H1802	08/18/2025	08/19/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	0.404		0.00500	mmhos/cm	1	B5H1806	08/18/2025	08/19/2025	
<b>Table 915 metals by EPA 6020B</b>									
Arsenic	5.81		0.288	mg/kg dry	10	B5H1940	08/19/2025	08/21/2025	
Barium	87.9		81.4	"	"	"	"	"	
Cadmium	ND		0.377	"	"	"	"	"	U
Copper	ND		45.7	"	"	"	"	"	U
Lead	18.2		13.9	"	"	"	"	"	
Nickel	ND		25.8	"	"	"	"	"	U
Selenium	ND		0.258	"	"	"	"	"	U
Silver	ND		0.794	"	"	"	"	"	U
Zinc	ND		367	"	"	"	"	"	U

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**\*\*\* 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 B5H1841 - % Solids**

**Duplicate (B5H1841-DUP1)**

**Source: E5H0357-01**

Prepared: 08/18/2025 Analyzed: 08/20/2025

Total Solids, Percent	97.7		mass percent		97.9			0.152	200	
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**Duplicate (B5H1841-DUP2)**

**Source: E5H0357-02**

Prepared: 08/18/2025 Analyzed: 08/20/2025

Total Solids, Percent	97.2		mass percent		97.2			0.0106	200	
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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 B5H1802 - Saturated Paste Metals**

**Blank (B5H1802-BLK1)**

Prepared: 08/18/2025 Analyzed: 08/19/2025

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 (B5H1802-DUP1)**

Source: E5H0357-01

Prepared: 08/18/2025 Analyzed: 08/19/2025

Calcium PPM	33.0	10.0	mg/L		33.0			0.00	50	
SAR	ND	0.0100	SAR		0.358				200	U
Magnesium PPM	8.33	10.0	mg/L		7.71			7.73	50	U
Sodium PPM	8.80	10.0	"		8.78			0.228	50	U

**Batch B5H1804 - DTPA Sorbitol Preparation**

**Blank (B5H1804-BLK1)**

Prepared: 08/18/2025 Analyzed: 08/19/2025

(DTPA Sorbitol) Boron	ND	0.100	mg/L							U
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**Duplicate (B5H1804-DUP1)**

Source: E5H0357-01

Prepared: 08/18/2025 Analyzed: 08/19/2025

(DTPA Sorbitol) Boron	0.106	0.0996	mg/L		0.0685			42.6	50	
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**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 B5H1821 - EPA 3580**

**Blank (B5H1821-BLK1)**

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

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
Phenanthrene	ND	0.020	"							U
Pyrene	ND	0.020	"							U
Surrogate: Fluorene-d10	200		ug/kg	200		99.7	60-130			
Surrogate: Anthracene-d10	200		"	200		97.6	60-130			
Surrogate: Pyrene-d10	190		"	200		97.2	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		106	60-130			

**LCS (B5H1821-BS1)**

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

1-Methylnaphthalene	0.203	0.002	mg/kg wet	0.200		102	70-130			
2-Methylnaphthalene	0.221	0.002	"	0.200		111	70-130			
Acenaphthene	0.193	0.020	"	0.200		96.5	70-130			
Anthracene	0.185	0.020	"	0.200		92.3	70-130			
Benzo (a) anthracene	0.189	0.005	"	0.200		94.5	70-130			

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**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 B5H1821 - EPA 3580**

**LCS (B5H1821-BS1)**

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

Benzo (a) pyrene	0.199	0.020	mg/kg wet	0.200		99.3	70-130			
Benzo (b) fluoranthene	0.200	0.020	"	0.200		100	70-130			
Benzo (g,h,i) perylene	0.193	0.020	"	0.200		96.7	70-130			
Benzo (k) fluoranthene	0.198	0.020	"	0.200		98.9	70-130			
Chrysene	0.185	0.020	"	0.200		92.6	70-130			
Dibenz (a,h) anthracene	0.196	0.020	"	0.200		98.2	70-130			
Fluoranthene	0.189	0.020	"	0.200		94.3	70-130			
Fluorene	0.189	0.020	"	0.200		94.4	70-130			
Indeno (1,2,3-cd) pyrene	0.197	0.020	"	0.200		98.3	70-130			
Naphthalene	0.192	0.002	"	0.200		95.9	70-130			
Phenanthrene	0.186	0.020	"	0.200		93.1	70-130			
Pyrene	0.189	0.020	"	0.200		94.3	70-130			

Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	190		"	200		96.7	60-130			
Surrogate: Pyrene-d10	190		"	200		96.8	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		106	60-130			

**Matrix Spike (B5H1821-MS1)**

**Source: E5H0347-01**

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

1-Methylnaphthalene	0.220	0.002	mg/kg wet	0.200	0.001	109	70-130			
2-Methylnaphthalene	0.241	0.002	"	0.200	0.001	120	70-130			
Acenaphthene	0.203	0.020	"	0.200	0.003	100	70-130			
Anthracene	0.201	0.020	"	0.200	0.001	99.8	70-130			
Benzo (a) anthracene	0.196	0.005	"	0.200	0.0009	97.3	70-130			
Benzo (a) pyrene	0.210	0.020	"	0.200	0.001	104	70-130			
Benzo (b) fluoranthene	0.211	0.020	"	0.200	0.0008	105	70-130			
Benzo (g,h,i) perylene	0.208	0.020	"	0.200	0.002	103	70-130			
Benzo (k) fluoranthene	0.190	0.020	"	0.200	0.001	94.4	70-130			

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**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 B5H1821 - EPA 3580**

**Matrix Spike (B5H1821-MS1)**

Source: E5H0347-01

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

Chrysene	0.197	0.020	mg/kg wet	0.200	0.0008	98.2	70-130			
Dibenz (a,h) anthracene	0.213	0.020	"	0.200	0.0006	106	70-130			
Fluoranthene	0.198	0.020	"	0.200	0.0005	98.9	70-130			
Fluorene	0.196	0.020	"	0.200	0.002	96.9	70-130			
Indeno (1,2,3-cd) pyrene	0.210	0.020	"	0.200	0.0007	105	70-130			
Naphthalene	0.202	0.002	"	0.200	ND	101	70-130			
Phenanthrene	0.201	0.020	"	0.200	0.003	99.0	70-130			
Pyrene	0.202	0.020	"	0.200	0.013	94.3	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		98.9	60-130			
Surrogate: Anthracene-d10	190		"	200		97.5	60-130			
Surrogate: Pyrene-d10	190		"	200		96.0	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		107	60-130			

**Matrix Spike Dup (B5H1821-MSD1)**

Source: E5H0347-01

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

1-Methylnaphthalene	0.215	0.002	mg/kg wet	0.200	0.001	107	70-130	2.20	20	
2-Methylnaphthalene	0.236	0.002	"	0.200	0.001	117	70-130	2.23	20	
Acenaphthene	0.202	0.020	"	0.200	0.003	99.6	70-130	0.526	20	
Anthracene	0.195	0.020	"	0.200	0.001	96.7	70-130	3.09	20	
Benzo (a) anthracene	0.190	0.005	"	0.200	0.0009	94.3	70-130	3.13	20	
Benzo (a) pyrene	0.201	0.020	"	0.200	0.001	99.7	70-130	4.56	20	
Benzo (b) fluoranthene	0.206	0.020	"	0.200	0.0008	103	70-130	2.21	20	
Benzo (g,h,i) perylene	0.198	0.020	"	0.200	0.002	98.2	70-130	4.70	20	
Benzo (k) fluoranthene	0.192	0.020	"	0.200	0.001	95.7	70-130	1.30	20	
Chrysene	0.194	0.020	"	0.200	0.0008	96.6	70-130	1.57	20	
Dibenz (a,h) anthracene	0.203	0.020	"	0.200	0.0006	101	70-130	4.60	20	
Fluoranthene	0.192	0.020	"	0.200	0.0005	95.7	70-130	3.25	20	
Fluorene	0.191	0.020	"	0.200	0.002	94.3	70-130	2.71	20	

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 Grand Junction CO 81501

Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Wells Ranch USX AA 13-25

**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 B5H1821 - EPA 3580

Matrix Spike Dup (B5H1821-MSD1)

Source: E5H0347-01

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

Indeno (1,2,3-cd) pyrene	0.200	0.020	mg/kg wet	0.200	0.0007	99.7	70-130	5.07	20	
Naphthalene	0.197	0.002	"	0.200	ND	98.5	70-130	2.77	20	
Phenanthrene	0.196	0.020	"	0.200	0.003	96.4	70-130	2.56	20	
Pyrene	0.199	0.020	"	0.200	0.013	92.9	70-130	1.37	20	
Surrogate: Fluorene-d10	200		ug/kg	200		98.8	60-130			
Surrogate: Anthracene-d10	200		"	200		98.1	60-130			
Surrogate: Pyrene-d10	190		"	200		95.9	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		105	60-130			

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Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Wells Ranch USX AA 13-25

**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 B5H1801 - EPA 3550B**

**Blank (B5H1801-BLK1)**

Prepared: 08/18/2025 Analyzed: 08/19/2025

Diesel (C10-C28)	ND	25.0	mg/kg wet							U
Residual Range Organics (C28-C36)	ND	100	"							U
Surrogate: o-Terphenyl	19		"	24.9		75.5	50-150			

**LCS (B5H1801-BS1)**

Prepared: 08/18/2025 Analyzed: 08/19/2025

Diesel (C10-C28)	959	50.0	mg/kg wet	1000		95.9	70-130			
Residual Range Organics (C28-C36)	976	200	"	1000		97.6	70-130			
Surrogate: o-Terphenyl	44		"	49.8		88.1	50-150			

**Matrix Spike (B5H1801-MS1)**

**Source: E5H0351-01**

Prepared: 08/18/2025 Analyzed: 08/19/2025

Diesel (C10-C28)	1050	50.0	mg/kg wet	1000	ND	105	70-130			
Residual Range Organics (C28-C36)	1060	200	"	1000	ND	106	70-130			
Surrogate: o-Terphenyl	46		"	49.8		92.5	50-150			

**Matrix Spike Dup (B5H1801-MSD1)**

**Source: E5H0351-01**

Prepared: 08/18/2025 Analyzed: 08/19/2025

Diesel (C10-C28)	924	50.0	mg/kg wet	1000	ND	92.4	70-130	12.9	35	
Residual Range Organics (C28-C36)	949	200	"	1000	ND	94.9	70-130	11.0	35	
Surrogate: o-Terphenyl	41		"	49.8		82.9	50-150			

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 Project Number: [none]  
 Project: Chevron - Wells Ranch USX AA 13-25

**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 B5H1940 - EPA 3050B**

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

**Blank (B5H1940-BLK1)**

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 (B5H1940-BS1)**

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

Arsenic	5.13	0.290	mg/kg wet	5.00		103	80-120			
Barium	537	82.0	"	500		107	80-120			
Cadmium	5.25	0.380	"	5.00		105	80-120			
Copper	50.9	46.0	"	50.0		102	80-120			
Lead	5.23	14.0	"	5.00		105	80-120			U
Nickel	5.26	26.0	"	5.00		105	80-120			U
Selenium	5.37	0.260	"	5.00		107	80-120			
Silver	5.51	0.800	"	5.00		110	80-120			
Zinc	50.0	370	"	50.0		100	80-120			U

**Matrix Spike (B5H1940-MS1)**

Source: E5H0072-01

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

Arsenic	7.83	0.276	mg/kg wet	4.76	3.35	94.1	75-125			
Barium	595	78.1	"	476	98.3	104	75-125			
Cadmium	5.43	0.362	"	4.76	0.323	107	75-125			
Copper	62.6	43.8	"	47.6	16.8	96.3	75-125			
Lead	19.7	13.3	"	4.76	15.9	80.4	75-125			

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Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Wells Ranch USX AA 13-25

**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 B5H1940 - EPA 3050B

**Matrix Spike (B5H1940-MS1)**

Source: E5H0072-01

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

Nickel	12.9	24.8	mg/kg wet	4.76	8.92	83.6	75-125			U
Selenium	5.19	0.248	"	4.76	0.340	102	75-125			
Silver	5.09	0.762	"	4.76	0.227	102	75-125			
Zinc	92.7	352	"	47.6	60.9	66.8	75-125			QM-07, U

**Matrix Spike Dup (B5H1940-MSD1)**

Source: E5H0072-01

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

Arsenic	7.87	0.260	mg/kg wet	4.48	3.35	101	75-125	0.468	20	
Barium	642	73.5	"	448	98.3	121	75-125	7.63	20	
Cadmium	5.36	0.341	"	4.48	0.323	112	75-125	1.25	20	
Copper	64.1	41.2	"	44.8	16.8	106	75-125	2.38	20	
Lead	18.9	12.5	"	4.48	15.9	67.8	75-125	4.09	20	QM-07
Nickel	13.2	23.3	"	4.48	8.92	95.3	75-125	2.23	20	U
Selenium	5.45	0.233	"	4.48	0.340	114	75-125	4.91	20	
Silver	5.13	0.717	"	4.48	0.227	109	75-125	0.751	20	
Zinc	98.2	332	"	44.8	60.9	83.2	75-125	5.72	20	U

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 Project Number: [none]  
 Project: Chevron - Wells Ranch USX AA 13-25

**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 B5H1806 - Saturated Paste pH/EC**

**Blank (B5H1806-BLK1)**

Prepared: 08/18/2025 Analyzed: 08/19/2025

Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
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**Duplicate (B5H1806-DUP1)**

**Source: E5H0357-01**

Prepared: 08/18/2025 Analyzed: 08/19/2025

Specific Conductance (EC)	0.317	0.00500	mmhos/cm		0.316			0.0632		25
pH	8.00		pH Units		7.98			0.250		25

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 Project Number: [none]  
 Project: Chevron - Wells Ranch USX AA 13-25

**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 B5H1809 - EPA 5030 (soil)**

**Blank (B5H1809-BLK1)**

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

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		94.7	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		88.6	70-130			

**LCS (B5H1809-BS1)**

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

1,2,4-Trimethylbenzene	0.113	0.002	mg/kg wet	0.100		113	70-130			
1,3,5-Trimethylbenzene	0.118	0.002	"	0.100		118	70-130			
Benzene	0.100	0.002	"	0.100		100	70-130			
Ethylbenzene	0.109	0.002	"	0.100		109	70-130			
Naphthalene	0.110	0.004	"	0.100		110	70-130			
Toluene	0.108	0.002	"	0.100		108	70-130			
o-Xylene	0.111	0.002	"	0.100		111	70-130			
m,p-Xylene	0.226	0.004	"	0.200		113	70-130			

Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		94.8	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		87.6	70-130			

**Matrix Spike (B5H1809-MS1)**

Source: E5H0357-01

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

1,2,4-Trimethylbenzene	0.113	0.002	mg/kg dry	0.102	ND	111	70-130			
1,3,5-Trimethylbenzene	0.115	0.002	"	0.102	ND	113	70-130			

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Chelsea Verysen  
 Project Number: [none]  
 Project: Chevron - Wells Ranch USX AA 13-25

**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 B5H1809 - EPA 5030 (soil)

**Matrix Spike (B5H1809-MS1)**

Source: E5H0357-01

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

Benzene	0.107	0.002	mg/kg dry	0.102	ND	105	70-130			
Ethylbenzene	0.107	0.002	"	0.102	ND	105	70-130			
Naphthalene	0.117	0.004	"	0.102	ND	114	70-130			
Toluene	0.109	0.002	"	0.102	ND	107	70-130			
o-Xylene	0.110	0.002	"	0.102	ND	108	70-130			
m,p-Xylene	0.223	0.004	"	0.204	ND	109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.128		95.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.128		97.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.128		87.3	70-130			

**Matrix Spike Dup (B5H1809-MSD1)**

Source: E5H0357-01

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

1,2,4-Trimethylbenzene	0.110	0.002	mg/kg dry	0.102	ND	108	70-130	2.61	20	
1,3,5-Trimethylbenzene	0.113	0.002	"	0.102	ND	111	70-130	1.75	20	
Benzene	0.106	0.002	"	0.102	ND	103	70-130	1.15	20	
Ethylbenzene	0.106	0.002	"	0.102	ND	103	70-130	1.17	20	
Naphthalene	0.115	0.004	"	0.102	ND	112	70-130	1.72	20	
Toluene	0.109	0.002	"	0.102	ND	107	70-130	0.0750	20	
o-Xylene	0.109	0.002	"	0.102	ND	106	70-130	1.20	20	
m,p-Xylene	0.220	0.004	"	0.204	ND	108	70-130	1.58	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.128		94.5	70-130			
Surrogate: Toluene-d8	0.13		"	0.128		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.128		86.5	70-130			

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Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Wells Ranch USX AA 13-25

**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
<b>Batch 379934 - EPA 3060A</b>										
<b>BLANK (QC1286785)</b>										
					Prepared: 08/21/2025 Analyzed: 08/22/2025					
Hexavalent Chromium	ND	0.30	mg/Kg				-			ND
<b>LCS (QC1286786)</b>										
					Prepared: 08/21/2025 Analyzed: 08/22/2025					
Hexavalent Chromium	38.63	0.5929	mg/Kg	39.53		98	80-120			
<b>Duplicate (QC1286787)</b>										
					Source: 540281-001 Prepared: 08/21/2025 Analyzed: 08/22/2025					
Hexavalent Chromium	ND	0.2988	mg/Kg		0		-		30	ND
<b>Matrix Spike (QC1286788)</b>										
					Source: 540281-001 Prepared: 08/21/2025 Analyzed: 08/22/2025					
Hexavalent Chromium	45.30	0.6000	mg/Kg	40.00	0	113	70-130			

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Chelsea Veryser  
Project Number: [none]  
Project: Chevron - Wells Ranch USX AA 13-25

**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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