



Entrada Consulting Group

Chelsea Veryser

330 Grand Ave. Unit C

Grand Junction CO 81501

June 05, 2025

Project Name - Chevron - Torres USX AB35-09

Project Number - [none]

Attached are your analytical results for Chevron - Torres USX AB35-09 received by Origins Laboratory May 19, 2025. This project is associated with Origins project number E5E0667-01.

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 - Torres USX AB35-09

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH01@6.5	E5E0667-01	Soil	May 19, 2025 14:15	05/19/2025 17:47

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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 - Torres USX AB35-09



ESF067

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#	Sample ID	Date Sampled	Time	# of Containers	Matrix Preservative	Analysis		Comments
						Analysis	Analysis	
1	WH01065	5/15/15	2:5	UMP				
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								

Requested By: *Jen Pellegrini*
Date: 5/14/15
Time: 1747

Received By: *NMM*
Date: 05/14/15
Time: 1947

Temp Received: 38°C
Received On Ice? Yes No

Turnaround Time: 48 Hr 72 Hr
 SAME DAY 24 Hr

Client: Entrada Consulting Group
Project Manager: Chelsea Verysen
Project Name: Torres USX AB35-09
Key: W=Water
Address:
Telephone Number: 540-940-4316
Project Number:
Email Address: chverys@entrada.com
Project Manager: Chelsea Verysen
Collector By: Zach Schow
Invoice Billing Info: Chevron - Duesy Smith
Waste/Inert Water
S-Soil | SO-Solid | O-Oil | A-Air | Gas | UNP=Unpres | HCL=Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide
L=Liquid
SW=Surface Water

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

Chelsea Verysen
Project Number: [none]
Project: Chevron - Torres USX AB35-09

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: ESE0667

Client: Entrada

Client Project ID: TORRES USX AB35-09

Checklist Completed by: SKM/romc

Shipped Via: TID

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 05/20/25

Airbill #: N/A

Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____

Cooler Number/Temperature: 1, 3.8 °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 ≤ 8°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 HNO ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with Na ₂ CO ₃ +NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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)

05/21/25
Date/Time Reviewed

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 - Torres USX AB35-09

WH01@6.5

5/19/2025 2:15:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0667-01 (Soil)									
Enthalpy Orange									
TOTAL METALS BY EPA 7199									
Hexavalent Chromium	ND	0.16	0.30	mg/Kg	1	372199	05/23/2025	05/27/2025	ND
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.136		0.100	mg/L	1	B5E2046	05/20/2025	05/22/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E2101	05/21/2025	05/21/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	82.7 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E2105	05/21/2025	05/21/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U

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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

WH01@6.5

5/19/2025 2:15:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0667-01 (Soil)
 Origins Laboratory**

GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND		0.200	mg/kg	1	B5E2105	05/21/2025	05/21/2025	U
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Surrogate: 1,2-Dichloroethane-d4	109 %			70-130		"	"	"	
Surrogate: Toluene-d8	96.5 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	94.6 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.20		0.499	meq/L	10	[CALC]	05/29/2025	06/03/2025	
Magnesium	1.06		0.823	"	"	"	"	"	
Sodium	1.19		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5E2168	05/21/2025	05/22/2025	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	0.017		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

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WH01@6.5

5/19/2025 2:15:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0667-01 (Soil) Origins Laboratory									
PAH by EPA 8270E extracted via 3580A									
Dibenz (a,h) anthracene	ND		0.020	mg/kg	1	B5E2168	05/21/2025	05/22/2025	U
Fluoranthene	0.039		0.020	"	"	"	"	"	
Fluorene	ND		0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	0.032		0.020	"	"	"	"	"	
Surrogate: Fluorene-d10	100 %			60-130		"	"	"	
Surrogate: Anthracene-d10	88.4 %			60-130		"	"	"	
Surrogate: Pyrene-d10	98.7 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	95.3 %			60-130		"	"	"	
pH in Soil by 9045D									
pH	8.38			pH Units	1	B5E2918	05/29/2025	05/31/2025	
SAR by 20B Saturated Paste									
SAR	1.12		0.0100	SAR	1	B5E2917	05/29/2025	06/03/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.390		0.00500	mmhos/cm	1	B5E2918	05/29/2025	05/31/2025	

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WH01@6.5

5/19/2025 2:15:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0667-01 (Soil)
 Origins Laboratory**

Table 915 metals by EPA 6020B

Arsenic	2.56		0.251	mg/kg	10	B5E2058	05/20/2025	05/27/2025	
Barium	ND		71.0	"	"	"	"	"	"
Cadmium	ND		0.329	"	"	"	"	"	"
Copper	ND		39.8	"	"	"	"	"	"
Lead	ND		12.1	"	"	"	"	"	"
Nickel	ND		22.5	"	"	"	"	"	"
Selenium	ND		0.225	"	"	"	"	"	"
Silver	ND		0.693	"	"	"	"	"	"
Zinc	ND		320	"	"	"	"	"	"

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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 B5E2046 - DTPA Sorbitol Preparation

Blank (B5E2046-BLK1)

Prepared: 05/20/2025 Analyzed: 05/22/2025

Boron ND 0.100 mg/L

Duplicate (B5E2046-DUP1)

Source: E5E0656-01

Prepared: 05/20/2025 Analyzed: 05/22/2025

Boron 0.0314 0.0981 mg/L 0.0330 4.96 50

Batch B5E2917 - Saturated Paste Metals

Blank (B5E2917-BLK1)

Prepared: 05/29/2025 Analyzed: 06/03/2025

SAR ND 0.0100 SAR

Calcium PPM ND 10.0 mg/L

Magnesium PPM ND 10.0 "

Sodium PPM ND 10.0 "

Duplicate (B5E2917-DUP1)

Source: E5E0656-01

Prepared: 05/29/2025 Analyzed: 06/03/2025

Calcium PPM 6.40 10.0 mg/L 6.45 0.778 50

SAR ND 0.0100 SAR 0.171 200

Magnesium PPM 1.50 10.0 mg/L 1.34 11.3 50

Sodium PPM 1.61 10.0 " 1.83 12.8 50

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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

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 B5E2168 - EPA 3580

Blank (B5E2168-BLK1)

Prepared: 05/21/2025 Analyzed: 05/22/2025

1-Methylnaphthalene	ND	0.002	mg/kg							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 (g,h,i) perylene	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		102	60-130			
Surrogate: Anthracene-d10	180		"	200		92.0	60-130			
Surrogate: Pyrene-d10	200		"	200		100	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		104	60-130			

LCS (B5E2168-BS1)

Prepared: 05/21/2025 Analyzed: 05/22/2025

1-Methylnaphthalene	0.178	0.002	mg/kg	0.200		88.8	70-130			
2-Methylnaphthalene	0.175	0.002	"	0.200		87.7	70-130			
Acenaphthene	0.199	0.020	"	0.200		99.3	70-130			
Anthracene	0.184	0.020	"	0.200		92.1	70-130			

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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

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 B5E2168 - EPA 3580

LCS (B5E2168-BS1)

Prepared: 05/21/2025 Analyzed: 05/22/2025

Benzo (a) anthracene	0.237	0.005	mg/kg	0.200		119	70-130			
Benzo (a) pyrene	0.212	0.020	"	0.200		106	70-130			
Benzo (b) fluoranthene	0.209	0.020	"	0.200		104	70-130			
Benzo (g,h,i) perylene	0.194	0.020	"	0.200		97.1	70-130			
Benzo (k) fluoranthene	0.212	0.020	"	0.200		106	70-130			
Chrysene	0.201	0.020	"	0.200		100	70-130			
Dibenz (a,h) anthracene	0.232	0.020	"	0.200		116	70-130			
Fluoranthene	0.204	0.020	"	0.200		102	70-130			
Fluorene	0.191	0.020	"	0.200		95.5	70-130			
Indeno (1,2,3-cd) pyrene	0.218	0.020	"	0.200		109	70-130			
Naphthalene	0.193	0.002	"	0.200		96.4	70-130			
Phenanthrene	0.189	0.020	"	0.200		94.5	70-130			
Pyrene	0.201	0.020	"	0.200		100	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	180		"	200		90.4	60-130			
Surrogate: Pyrene-d10	190		"	200		94.9	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		104	60-130			

Matrix Spike (B5E2168-MS1)

Source: E5E0645-01

Prepared: 05/21/2025 Analyzed: 05/22/2025

1-Methylnaphthalene	0.191	0.002	mg/kg	0.200	ND	95.3	70-130			
2-Methylnaphthalene	0.185	0.002	"	0.200	ND	92.3	70-130			
Acenaphthene	0.201	0.020	"	0.200	ND	101	70-130			
Anthracene	0.185	0.020	"	0.200	ND	92.6	70-130			
Benzo (a) anthracene	0.243	0.005	"	0.200	ND	122	70-130			
Benzo (a) pyrene	0.215	0.020	"	0.200	0.0009	107	70-130			
Benzo (b) fluoranthene	0.204	0.020	"	0.200	0.0007	102	70-130			
Benzo (g,h,i) perylene	0.199	0.020	"	0.200	0.0008	99.0	70-130			

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 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

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 B5E2168 - EPA 3580

Matrix Spike (B5E2168-MS1)		Source: E5E0645-01			Prepared: 05/21/2025 Analyzed: 05/22/2025					
Benzo (k) fluoranthene	0.223	0.020	mg/kg	0.200	0.0007	111	70-130			
Chrysene	0.205	0.020	"	0.200	0.0005	102	70-130			
Dibenz (a,h) anthracene	0.238	0.020	"	0.200	0.002	118	70-130			
Fluoranthene	0.211	0.020	"	0.200	ND	106	70-130			
Fluorene	0.197	0.020	"	0.200	ND	98.5	70-130			
Indeno (1,2,3-cd) pyrene	0.215	0.020	"	0.200	0.002	106	70-130			
Naphthalene	0.217	0.002	"	0.200	ND	109	70-130			
Phenanthrene	0.197	0.020	"	0.200	ND	98.5	70-130			
Pyrene	0.211	0.020	"	0.200	ND	106	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	180		"	200		91.9	60-130			
Surrogate: Pyrene-d10	190		"	200		96.7	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		103	60-130			

Matrix Spike Dup (B5E2168-MSD1)		Source: E5E0645-01			Prepared: 05/21/2025 Analyzed: 05/22/2025					
1-Methylnaphthalene	0.177	0.002	mg/kg	0.200	ND	88.7	70-130	7.11	20	
2-Methylnaphthalene	0.177	0.002	"	0.200	ND	88.5	70-130	4.19	20	
Acenaphthene	0.196	0.020	"	0.200	ND	98.0	70-130	2.52	20	
Anthracene	0.184	0.020	"	0.200	ND	91.9	70-130	0.777	20	
Benzo (a) anthracene	0.225	0.005	"	0.200	ND	112	70-130	7.97	20	
Benzo (a) pyrene	0.206	0.020	"	0.200	0.0009	103	70-130	4.43	20	
Benzo (b) fluoranthene	0.208	0.020	"	0.200	0.0007	104	70-130	2.09	20	
Benzo (g,h,i) perylene	0.188	0.020	"	0.200	0.0008	93.5	70-130	5.70	20	
Benzo (k) fluoranthene	0.203	0.020	"	0.200	0.0007	101	70-130	9.34	20	
Chrysene	0.214	0.020	"	0.200	0.0005	107	70-130	3.99	20	
Dibenz (a,h) anthracene	0.220	0.020	"	0.200	0.002	109	70-130	7.74	20	
Fluoranthene	0.207	0.020	"	0.200	ND	103	70-130	2.21	20	

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Chelsea Verysen
 Project Number: [none]
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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 B5E2168 - EPA 3580

Matrix Spike Dup (B5E2168-MSD1)

Source: E5E0645-01

Prepared: 05/21/2025 Analyzed: 05/22/2025

Fluorene	0.192	0.020	mg/kg	0.200	ND	96.1	70-130	2.49	20	
Indeno (1,2,3-cd) pyrene	0.213	0.020	"	0.200	0.002	105	70-130	0.594	20	
Naphthalene	0.193	0.002	"	0.200	ND	96.6	70-130	11.8	20	
Phenanthrene	0.193	0.020	"	0.200	ND	96.6	70-130	2.03	20	
Pyrene	0.203	0.020	"	0.200	ND	101	70-130	4.00	20	
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	190		"	200		93.3	60-130			
Surrogate: Pyrene-d10	190		"	200		97.1	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

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 - Torres USX AB35-09

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 B5E2101 - EPA 3550B

Prepared: 05/21/2025 Analyzed: 05/21/2025

Blank (B5E2101-BLK1)

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	22		"	24.9		89.1	50-150			

LCS (B5E2101-BS1)

Prepared: 05/21/2025 Analyzed: 05/21/2025

Diesel (C10-C28)	960	50.0	mg/kg	1000		96.0	70-130			
Residual Range Organics (C28-C40)	1120	200	"	1000		112	70-130			
Surrogate: o-Terphenyl	50		"	49.8		100	50-150			

Matrix Spike (B5E2101-MS1)

Source: E5E0635-01

Prepared: 05/21/2025 Analyzed: 05/21/2025

Diesel (C10-C28)	971	50.0	mg/kg	1000	ND	97.1	70-130			
Residual Range Organics (C28-C40)	1130	200	"	1000	ND	113	70-130			
Surrogate: o-Terphenyl	47		"	49.8		93.9	50-150			

Matrix Spike Dup (B5E2101-MSD1)

Source: E5E0635-01

Prepared: 05/21/2025 Analyzed: 05/21/2025

Diesel (C10-C28)	1000	50.0	mg/kg	1000	ND	100	70-130	3.20	35	
Residual Range Organics (C28-C40)	1160	200	"	1000	ND	116	70-130	2.46	35	
Surrogate: o-Terphenyl	51		"	49.8		102	50-150			

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

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

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 B5E2058 - EPA 3050B

Prepared: 05/20/2025 Analyzed: 05/27/2025

Blank (B5E2058-BLK1)

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

Prepared: 05/20/2025 Analyzed: 05/31/2025

LCS (B5E2058-BS1)

Arsenic	5.23	0.290	mg/kg	5.00	105	80-120
Barium	522	82.0	"	500	104	80-120
Cadmium	5.11	0.380	"	5.00	102	80-120
Copper	48.9	46.0	"	50.0	97.8	80-120
Lead	4.96	14.0	"	5.00	99.2	80-120
Nickel	4.83	26.0	"	5.00	96.6	80-120
Selenium	5.27	0.260	"	5.00	105	80-120
Silver	5.17	0.800	"	5.00	103	80-120
Zinc	48.0	370	"	50.0	96.0	80-120

Matrix Spike (B5E2058-MS1)

Source: E5E0666-01

Prepared: 05/20/2025 Analyzed: 05/27/2025

Arsenic	8.07	0.280	mg/kg	4.84	3.78	88.7	75-125
Barium	657	79.3	"	484	173	100	75-125
Cadmium	5.22	0.368	"	4.84	0.111	106	75-125
Copper	56.3	44.5	"	48.4	6.17	104	75-125
Lead	13.1	13.5	"	4.84	8.08	104	75-125

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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

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 B5E2058 - EPA 3050B

Matrix Spike (B5E2058-MS1)

Source: E5E0666-01

Prepared: 05/20/2025 Analyzed: 05/27/2025

Nickel	11.0	25.1	mg/kg	4.84	5.73	109	75-125			
Selenium	4.91	0.251	"	4.84	0.0220	101	75-125			
Silver	5.23	0.774	"	4.84	0.0210	108	75-125			
Zinc	77.0	358	"	48.4	26.6	104	75-125			

Matrix Spike Dup (B5E2058-MSD1)

Source: E5E0666-01

Prepared: 05/20/2025 Analyzed: 05/27/2025

Arsenic	7.78	0.263	mg/kg	4.54	3.78	88.2	75-125	3.60	20	
Barium	640	74.5	"	454	173	103	75-125	2.62	20	
Cadmium	4.91	0.345	"	4.54	0.111	106	75-125	6.20	20	
Copper	54.0	41.8	"	45.4	6.17	105	75-125	4.21	20	
Lead	14.5	12.7	"	4.54	8.08	142	75-125	10.3	20	QM-07
Nickel	10.9	23.6	"	4.54	5.73	113	75-125	1.37	20	
Selenium	4.81	0.236	"	4.54	0.0220	105	75-125	2.03	20	
Silver	4.82	0.726	"	4.54	0.0210	106	75-125	8.06	20	
Zinc	76.4	336	"	45.4	26.6	110	75-125	0.790	20	

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Entrada Consulting Group
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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

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 B5E2918 - Saturated Paste pH/EC

Blank (B5E2918-BLK1)

Prepared: 05/29/2025 Analyzed: 05/31/2025

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B5E2918-DUP1)

Source: E5E0656-02

Prepared: 05/29/2025 Analyzed: 05/31/2025

pH	7.38		pH Units		7.63		3.33	25		
Specific Conductance (EC)	0.0825	0.00500	mmhos/cm		0.0368		76.6	25	QR-DUP	

Origins Laboratory

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Entrada Consulting Group
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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

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 B5E2105 - EPA 5030 (soil)

Blank (B5E2105-BLK1)

Prepared: 05/21/2025 Analyzed: 05/21/2025

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U

Surrogate: 1,2-Dichloroethane-d4

0.12

"

0.125

99.1

70-130

Surrogate: Toluene-d8

0.12

"

0.125

99.1

70-130

Surrogate: 4-Bromofluorobenzene

0.12

"

0.125

95.2

70-130

LCS (B5E2105-BS1)

Prepared: 05/21/2025 Analyzed: 05/21/2025

1,2,4-Trimethylbenzene	0.0890	0.00200	mg/kg	0.100		89.0	70-130			
1,3,5-Trimethylbenzene	0.0912	0.00200	"	0.100		91.2	70-130			
Benzene	0.0835	0.00200	"	0.100		83.5	70-130			
Ethylbenzene	0.0859	0.00200	"	0.100		85.9	70-130			
Naphthalene	0.0848	0.00380	"	0.100		84.8	70-130			
Toluene	0.0839	0.00200	"	0.100		83.9	70-130			
o-Xylene	0.0860	0.00200	"	0.100		86.0	70-130			
m,p-Xylene	0.173	0.00400	"	0.200		86.4	70-130			

Surrogate: 1,2-Dichloroethane-d4

0.12

"

0.125

99.8

70-130

Surrogate: Toluene-d8

0.13

"

0.125

100

70-130

Surrogate: 4-Bromofluorobenzene

0.13

"

0.125

102

70-130

Matrix Spike (B5E2105-MS1)

Source: E5E0662-01

Prepared: 05/21/2025 Analyzed: 05/21/2025

1,2,4-Trimethylbenzene	0.0873	0.00200	mg/kg	0.100	ND	87.3	70-130			
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Entrada Consulting Group
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 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

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 B5E2105 - EPA 5030 (soil)

Matrix Spike (B5E2105-MS1)		Source: E5E0662-01			Prepared: 05/21/2025 Analyzed: 05/21/2025					
1,3,5-Trimethylbenzene	0.0876	0.00200	mg/kg	0.100	ND	87.6	70-130			
Benzene	0.0847	0.00200	"	0.100	ND	84.7	70-130			
Ethylbenzene	0.0850	0.00200	"	0.100	ND	85.0	70-130			
Naphthalene	0.0899	0.00380	"	0.100	ND	89.9	70-130			
Toluene	0.0833	0.00200	"	0.100	ND	83.3	70-130			
o-Xylene	0.0857	0.00200	"	0.100	ND	85.7	70-130			
m,p-Xylene	0.171	0.00400	"	0.200	ND	85.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		108	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		106	70-130			

Matrix Spike Dup (B5E2105-MSD1)		Source: E5E0662-01			Prepared: 05/21/2025 Analyzed: 05/21/2025					
1,2,4-Trimethylbenzene	0.0840	0.00200	mg/kg	0.100	ND	84.0	70-130	3.85	20	
1,3,5-Trimethylbenzene	0.0840	0.00200	"	0.100	ND	84.0	70-130	4.19	20	
Benzene	0.0830	0.00200	"	0.100	ND	83.0	70-130	2.00	20	
Ethylbenzene	0.0813	0.00200	"	0.100	ND	81.3	70-130	4.52	20	
Naphthalene	0.0893	0.00380	"	0.100	ND	89.3	70-130	0.714	20	
Toluene	0.0803	0.00200	"	0.100	ND	80.3	70-130	3.62	20	
o-Xylene	0.0830	0.00200	"	0.100	ND	83.0	70-130	3.18	20	
m,p-Xylene	0.164	0.00400	"	0.200	ND	82.0	70-130	4.23	20	
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		111	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		107	70-130			

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

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

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 372199 - EPA 3060A										
BLANK (QC1260272)										
					Prepared: 05/23/2025 Analyzed: 05/27/2025					
Hexavalent Chromium	ND	0.30	mg/Kg				-			ND
LCS (QC1260273)										
					Prepared: 05/23/2025 Analyzed: 05/27/2025					
Hexavalent Chromium	41.53	0.6000	mg/Kg	40.00		104	80-120			
Duplicate (QC1260277)										
					Source: 533142-022					
					Prepared: 05/23/2025 Analyzed: 05/27/2025					
Hexavalent Chromium	ND	0.2907	mg/Kg		0		-		30	ND
Matrix Spike (QC1260278)										
					Source: 533142-022					
					Prepared: 05/23/2025 Analyzed: 05/27/2025					
Hexavalent Chromium	39.70	0.5952	mg/Kg	39.68	0	100	70-130			

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

Chelsea Veryser
Project Number: [none]
Project: Chevron - Torres USX AB35-09

Notes and Definitions

U Sample is Non-Detect.

QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.

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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