



Entrada Consulting Group

Chelsea Verysen

330 Grand Ave. Unit C

Grand Junction CO 81501

July 14, 2025

Project Name - Chevron - WCL 24-5

Project Number - [none]

Attached are your analytical results for Chevron - WCL 24-5 received by Origins Laboratory May 21, 2025. This project is associated with Origins project number E5E0752-01.

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 - WCL 24-5

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH01@6.5	E5E0752-01	Soil	May 21, 2025 12:30	05/21/2025 15:28

Origins Laboratory

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ORIGINS LABORATORY

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

Chelsea Veryser
Project Number: [none]
Project: Chevron - WCL 24-5

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

Sample Receipt Checklist

Origins Work Order: E5E0752 Client: Entrada
Client Project ID: WCL 24-5

Checklist Completed by: JAB / Shipped Via: _____
(UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Date/time completed: 5/21/25 Airbill #: N/A

Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
 Cooler Number/Temperature: 1, 7.8 °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 ⁽¹⁾ ?		<input checked="" type="checkbox"/>		SD
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 analytes 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"/>			N/A 6/25/12
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 be taken in the additional comments (above) and the case narrative.

Reviewed by (Project Manager)

05/22/25
Date/Time Reviewed

Origins Laboratory



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Kayla Kenyon For Jen Pellegrini, Project Manager



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

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - WCL 24-5

WH01@6.5

5/21/2025 12:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0752-01 (Soil)									
Enthalpy Analytical									
Total Metals by 7199									
Chromium, Hexavalent	ND	0.08	0.19	mg/kg	1	BIE1482	05/29/2025	06/02/2025	
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.142		0.0994	mg/L	1	B5E2211	05/22/2025	05/27/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E2255	05/22/2025	05/29/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	101 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E2248	05/22/2025	05/23/2025	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 Veryser
 Project Number: [none]
 Project: Chevron - WCL 24-5

WH01@6.5

5/21/2025 12:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0752-01 (Soil)
 Origins Laboratory**

GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND		0.200	mg/kg	1	B5E2248	05/22/2025	05/23/2025	U
Surrogate: 1,2-Dichloroethane-d4	102 %			70-130		"	"	"	
Surrogate: Toluene-d8	100 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	78.9 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.56		0.499	meq/L	10	[CALC]	05/29/2025	06/03/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	1.68		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5E2260	05/22/2025	05/23/2025	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

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Kayla Kenyon For Jen Pellegrini, Project Manager



Entrada Consulting Group
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 Grand Junction CO 81501

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - WCL 24-5

WH01@6.5

5/21/2025 12:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0752-01 (Soil)
 Origins Laboratory**

PAH by EPA 8270E extracted via 3580A

Chrysene	ND		0.020	mg/kg	1	B5E2260	05/22/2025	05/23/2025	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	100 %			60-130		"	"	"	
Surrogate: Anthracene-d10	103 %			60-130		"	"	"	
Surrogate: Pyrene-d10	111 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	110 %			60-130		"	"	"	

pH in Soil by 9045D

pH	8.09			pH Units	1	B5E2948	05/29/2025	05/31/2025	
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SAR by 20B Saturated Paste

SAR	1.65		0.0100	SAR	1	B5E2945	05/29/2025	06/03/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.480		0.00500	mmhos/cm	1	B5E2948	05/29/2025	05/31/2025	
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Chelsea Veryser

Project Number: [none]

Project: Chevron - WCL 24-5

WH01@6.5

5/21/2025 12:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0752-01 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	2.79		0.284	mg/kg	10	B5E2276	05/22/2025	05/23/2025	
Barium	80.4		80.2	"	"	"	"	"	
Cadmium	ND		0.372	"	"	"	"	"	U
Copper	ND		45.0	"	"	"	"	"	U
Lead	ND		13.7	"	"	"	"	"	U
Nickel	ND		25.4	"	"	"	"	"	U
Selenium	ND		0.254	"	"	"	"	"	U
Silver	ND		0.783	"	"	"	"	"	U
Zinc	ND		362	"	"	"	"	"	U

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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - WCL 24-5

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 B5E2211 - DTPA Sorbitol Preparation

Blank (B5E2211-BLK1)

Prepared: 05/22/2025 Analyzed: 05/27/2025

Boron	ND	0.100	mg/L							U
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Duplicate (B5E2211-DUP1)

Source: E5E0741-21

Prepared: 05/22/2025 Analyzed: 05/27/2025

Boron	0.203	0.0991	mg/L		0.190			6.25	50	
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Batch B5E2945 - Saturated Paste Metals

Blank (B5E2945-BLK1)

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

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

Duplicate (B5E2945-DUP1)

Source: E5E0715-06

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

Calcium PPM	26.0	10.0	mg/L		25.2			3.01	50	
SAR	ND	0.0100	SAR		1.93				200	U
Magnesium PPM	5.96	10.0	mg/L		5.57			6.76	50	U
Sodium PPM	43.0	10.0	"		41.1			4.52	50	

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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - WCL 24-5

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 B5E2260 - EPA 3580

Blank (B5E2260-BLK1)

Prepared: 05/22/2025 Analyzed: 05/23/2025

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 (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	210		"	200		104	60-130			
Surrogate: Pyrene-d10	210		"	200		107	60-130			
Surrogate: Benzo (a) pyrene-d12	220		"	200		109	60-130			

LCS (B5E2260-BS1)

Prepared: 05/22/2025 Analyzed: 05/23/2025

1-Methylnaphthalene	0.185	0.002	mg/kg	0.200		92.4	70-130			
2-Methylnaphthalene	0.181	0.002	"	0.200		90.4	70-130			
Acenaphthene	0.211	0.020	"	0.200		106	70-130			
Anthracene	0.200	0.020	"	0.200		99.8	70-130			
Benzo (a) anthracene	0.233	0.005	"	0.200		117	70-130			
Benzo (a) pyrene	0.226	0.020	"	0.200		113	70-130			

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 Grand Junction CO 81501

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - WCL 24-5

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 B5E2260 - EPA 3580

LCS (B5E2260-BS1)

Prepared: 05/22/2025 Analyzed: 05/23/2025

Benzo (b) fluoranthene	0.209	0.020	mg/kg	0.200		104	70-130			
Benzo (k) fluoranthene	0.211	0.020	"	0.200		106	70-130			
Chrysene	0.212	0.020	"	0.200		106	70-130			
Dibenz (a,h) anthracene	0.216	0.020	"	0.200		108	70-130			
Fluoranthene	0.223	0.020	"	0.200		112	70-130			
Fluorene	0.188	0.020	"	0.200		94.1	70-130			
Indeno (1,2,3-cd) pyrene	0.228	0.020	"	0.200		114	70-130			
Naphthalene	0.192	0.002	"	0.200		96.0	70-130			
Pyrene	0.225	0.020	"	0.200		112	70-130			

Surrogate: Fluorene-d10	200		ug/kg	200		99.6	60-130			
Surrogate: Anthracene-d10	200		"	200		101	60-130			
Surrogate: Pyrene-d10	210		"	200		107	60-130			
Surrogate: Benzo (a) pyrene-d12	220		"	200		110	60-130			

Matrix Spike (B5E2260-MS1)

Source: E5E0741-21

Prepared: 05/22/2025 Analyzed: 05/23/2025

1-Methylnaphthalene	0.184	0.002	mg/kg	0.200	0.001	91.5	70-130			
2-Methylnaphthalene	0.183	0.002	"	0.200	ND	91.3	70-130			
Acenaphthene	0.216	0.020	"	0.200	ND	108	70-130			
Anthracene	0.201	0.020	"	0.200	ND	100	70-130			
Benzo (a) anthracene	0.241	0.005	"	0.200	ND	120	70-130			
Benzo (a) pyrene	0.236	0.020	"	0.200	0.002	117	70-130			
Benzo (b) fluoranthene	0.216	0.020	"	0.200	0.002	107	70-130			
Benzo (k) fluoranthene	0.224	0.020	"	0.200	0.001	111	70-130			
Chrysene	0.207	0.020	"	0.200	0.001	103	70-130			
Dibenz (a,h) anthracene	0.224	0.020	"	0.200	0.003	111	70-130			
Fluoranthene	0.229	0.020	"	0.200	0.0005	114	70-130			
Fluorene	0.197	0.020	"	0.200	0.0005	98.1	70-130			

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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - WCL 24-5

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 B5E2260 - EPA 3580

Matrix Spike (B5E2260-MS1)		Source: E5E0741-21			Prepared: 05/22/2025 Analyzed: 05/23/2025					
Indeno (1,2,3-cd) pyrene	0.239	0.020	mg/kg	0.200	0.004	117	70-130			
Naphthalene	0.195	0.002	"	0.200	ND	97.4	70-130			
Pyrene	0.232	0.020	"	0.200	ND	116	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	200		"	200		101	60-130			
Surrogate: Pyrene-d10	220		"	200		108	60-130			
Surrogate: Benzo (a) pyrene-d12	220		"	200		109	60-130			

Matrix Spike Dup (B5E2260-MSD1)		Source: E5E0741-21			Prepared: 05/22/2025 Analyzed: 05/23/2025					
1-Methylnaphthalene	0.186	0.002	mg/kg	0.200	0.001	92.6	70-130	1.26	20	
2-Methylnaphthalene	0.181	0.002	"	0.200	ND	90.4	70-130	0.946	20	
Acenaphthene	0.220	0.020	"	0.200	ND	110	70-130	1.58	20	
Anthracene	0.202	0.020	"	0.200	ND	101	70-130	0.472	20	
Benzo (a) anthracene	0.241	0.005	"	0.200	ND	121	70-130	0.112	20	
Benzo (a) pyrene	0.240	0.020	"	0.200	0.002	119	70-130	1.62	20	
Benzo (b) fluoranthene	0.228	0.020	"	0.200	0.002	113	70-130	5.35	20	
Benzo (k) fluoranthene	0.230	0.020	"	0.200	0.001	114	70-130	2.75	20	
Chrysene	0.222	0.020	"	0.200	0.001	110	70-130	6.97	20	
Dibenz (a,h) anthracene	0.233	0.020	"	0.200	0.003	115	70-130	3.79	20	
Fluoranthene	0.230	0.020	"	0.200	0.0005	115	70-130	0.619	20	
Fluorene	0.201	0.020	"	0.200	0.0005	100	70-130	2.09	20	
Indeno (1,2,3-cd) pyrene	0.245	0.020	"	0.200	0.004	121	70-130	2.54	20	
Naphthalene	0.197	0.002	"	0.200	ND	98.3	70-130	0.933	20	
Pyrene	0.231	0.020	"	0.200	ND	116	70-130	0.298	20	
Surrogate: Fluorene-d10	210		ug/kg	200		103	60-130			
Surrogate: Anthracene-d10	200		"	200		101	60-130			
Surrogate: Pyrene-d10	210		"	200		107	60-130			

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330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - WCL 24-5

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 B5E2260 - EPA 3580

Matrix Spike Dup (B5E2260-MSD1)

Source: E5E0741-21

Prepared: 05/22/2025 Analyzed: 05/23/2025

Surrogate: Benzo (a) pyrene-d12	220		ug/kg	200		110	60-130			
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Kayla Kenyon For Jen Pellegrini, Project Manager



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

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - WCL 24-5

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 B5E2255 - EPA 3550B

Blank (B5E2255-BLK1)

Prepared: 05/22/2025 Analyzed: 05/29/2025

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	25		"	24.9		101	50-150			

LCS (B5E2255-BS1)

Prepared: 05/22/2025 Analyzed: 05/29/2025

Diesel (C10-C28)	873	50.0	mg/kg	1000		87.3	70-130			
Residual Range Organics (C28-C40)	825	200	"	1000		82.5	70-130			
Surrogate: o-Terphenyl	53		"	49.8		106	50-150			

Matrix Spike (B5E2255-MS1)

Source: E5E0749-01

Prepared: 05/22/2025 Analyzed: 05/29/2025

Diesel (C10-C28)	820	50.0	mg/kg	1000	ND	82.0	70-130			
Residual Range Organics (C28-C40)	779	200	"	1000	ND	77.9	70-130			
Surrogate: o-Terphenyl	54		"	49.8		108	50-150			

Matrix Spike Dup (B5E2255-MSD1)

Source: E5E0749-01

Prepared: 05/22/2025 Analyzed: 05/29/2025

Diesel (C10-C28)	854	50.0	mg/kg	1000	ND	85.4	70-130	4.01	35	
Residual Range Organics (C28-C40)	817	200	"	1000	ND	81.7	70-130	4.73	35	
Surrogate: o-Terphenyl	59		"	49.8		118	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 - WCL 24-5

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 B5E2276 - EPA 3050B

Prepared: 05/22/2025 Analyzed: 05/23/2025

Blank (B5E2276-BLK1)

Arsenic	ND	0.290	mg/kg							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 (B5E2276-BS1)

Prepared: 05/22/2025 Analyzed: 05/23/2025

Arsenic	5.27	0.290	mg/kg	5.00		105	80-120			
Barium	540	82.0	"	500		108	80-120			
Cadmium	5.54	0.380	"	5.00		111	80-120			
Copper	53.4	46.0	"	50.0		107	80-120			
Lead	5.44	14.0	"	5.00		109	80-120			U
Nickel	5.38	26.0	"	5.00		108	80-120			U
Selenium	4.90	0.260	"	5.00		98.0	80-120			
Silver	5.70	0.800	"	5.00		114	80-120			
Zinc	55.0	370	"	50.0		110	80-120			U

Matrix Spike (B5E2276-MS1)

Source: E5E0752-01

Prepared: 05/22/2025 Analyzed: 05/23/2025

Arsenic	7.91	0.273	mg/kg	4.71	2.79	109	75-125			
Barium	599	77.2	"	471	80.4	110	75-125			
Cadmium	5.46	0.358	"	4.71	0.117	114	75-125			
Copper	62.8	43.3	"	47.1	7.33	118	75-125			
Lead	15.2	13.2	"	4.71	8.44	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 - WCL 24-5

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 B5E2276 - EPA 3050B

Matrix Spike (B5E2276-MS1)

Source: E5E0752-01

Prepared: 05/22/2025 Analyzed: 05/23/2025

Nickel	12.6	24.5	mg/kg	4.71	7.58	106	75-125			U
Selenium	4.37	0.245	"	4.71	0.0724	91.2	75-125			
Silver	5.50	0.754	"	4.71	0.0460	116	75-125			
Zinc	90.2	349	"	47.1	34.1	119	75-125			U

Matrix Spike Dup (B5E2276-MSD1)

Source: E5E0752-01

Prepared: 05/22/2025 Analyzed: 05/23/2025

Arsenic	7.83	0.270	mg/kg	4.66	2.79	108	75-125	1.02	20	
Barium	589	76.5	"	466	80.4	109	75-125	1.67	20	
Cadmium	5.28	0.354	"	4.66	0.117	111	75-125	3.46	20	
Copper	60.1	42.9	"	46.6	7.33	113	75-125	4.34	20	
Lead	14.4	13.1	"	4.66	8.44	127	75-125	5.48	20	QM-07
Nickel	12.7	24.2	"	4.66	7.58	110	75-125	0.909	20	U
Selenium	4.42	0.242	"	4.66	0.0724	93.3	75-125	1.29	20	
Silver	5.23	0.746	"	4.66	0.0460	111	75-125	5.01	20	
Zinc	86.6	345	"	46.6	34.1	113	75-125	4.06	20	U

Origins Laboratory

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Kayla Kenyon For Jen Pellegrini, Project Manager



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

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - WCL 24-5

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 B5E2948 - Saturated Paste pH/EC

Blank (B5E2948-BLK1)

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

Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
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Duplicate (B5E2948-DUP1)

Source: E5E0715-06

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

Specific Conductance (EC)	0.420	0.00500	mmhos/cm		0.379			10.4	25	
pH	8.33		pH Units		8.28			0.602	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 - WCL 24-5

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 B5E2248 - EPA 5030 (soil)

Blank (B5E2248-BLK1)

Prepared: 05/22/2025 Analyzed: 05/23/2025

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
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		92.8	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.8	70-130			

LCS (B5E2248-BS1)

Prepared: 05/22/2025 Analyzed: 05/23/2025

1,2,4-Trimethylbenzene	0.105	0.00200	mg/kg	0.100		105	70-130			
1,3,5-Trimethylbenzene	0.102	0.00200	"	0.100		102	70-130			
Benzene	0.0856	0.00200	"	0.100		85.6	70-130			
Ethylbenzene	0.119	0.00200	"	0.100		119	70-130			
Toluene	0.0890	0.00200	"	0.100		89.0	70-130			
o-Xylene	0.117	0.00200	"	0.100		117	70-130			
m,p-Xylene	0.230	0.00400	"	0.200		115	70-130			

Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		91.5	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		105	70-130			

Matrix Spike (B5E2248-MS1)

Source: E5E0741-21

Prepared: 05/22/2025 Analyzed: 05/23/2025

1,2,4-Trimethylbenzene	0.118	0.00200	mg/kg	0.100	ND	118	70-130			
1,3,5-Trimethylbenzene	0.119	0.00200	"	0.100	ND	119	70-130			
Benzene	0.100	0.00200	"	0.100	ND	100	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 - WCL 24-5

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 B5E2248 - EPA 5030 (soil)

Matrix Spike (B5E2248-MS1)		Source: E5E0741-21			Prepared: 05/22/2025 Analyzed: 05/23/2025					
Ethylbenzene	0.111	0.00200	mg/kg	0.100	ND	111	70-130			
Toluene	0.105	0.00200	"	0.100	ND	105	70-130			
o-Xylene	0.111	0.00200	"	0.100	ND	111	70-130			
m,p-Xylene	0.216	0.00400	"	0.200	ND	108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.0	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

Matrix Spike Dup (B5E2248-MSD1)		Source: E5E0741-21			Prepared: 05/22/2025 Analyzed: 05/23/2025					
1,2,4-Trimethylbenzene	0.105	0.00200	mg/kg	0.100	ND	105	70-130	12.1	20	
1,3,5-Trimethylbenzene	0.104	0.00200	"	0.100	ND	104	70-130	13.2	20	
Benzene	0.0856	0.00200	"	0.100	ND	85.6	70-130	15.9	20	
Ethylbenzene	0.0965	0.00200	"	0.100	ND	96.5	70-130	13.8	20	
Toluene	0.0898	0.00200	"	0.100	ND	89.8	70-130	15.9	20	
o-Xylene	0.0971	0.00200	"	0.100	ND	97.1	70-130	13.6	20	
m,p-Xylene	0.189	0.00400	"	0.200	ND	94.7	70-130	13.1	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.9	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	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 - WCL 24-5

**Total Metals by 7199 - Quality Control
 Enthalpy Analytical**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BIE1482 - No Prep IC-WET										
Blank (BIE1482-BLK1)					Prepared: 05/29/2025 Analyzed: 06/02/2025					
Chromium, Hexavalent	ND	0.005	mg/kg				-			
LCS (BIE1482-BS1)					Prepared: 05/29/2025 Analyzed: 06/02/2025					
Chromium, Hexavalent	0.05	0.005	mg/kg	0.0500		99.0	80-120			
LCS (BIE1482-BS2)					Prepared: 05/29/2025 Analyzed: 06/02/2025					
Chromium, Hexavalent	7.91	1.00	mg/kg	8.08		98.0	80-120			
Matrix Spike (BIE1482-MS1)					Prepared: 05/29/2025 Analyzed: 06/02/2025					
		Source: 25E2195-09								
Chromium, Hexavalent	1.84	0.20	mg/kg	1.97	ND	93.4	75-125			
Matrix Spike Dup (BIE1482-MSD1)					Prepared: 05/29/2025 Analyzed: 06/02/2025					
		Source: 25E2195-09								
Chromium, Hexavalent	1.79	0.19	mg/kg	1.93	ND	92.6	75-125	2.68	20	

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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - WCL 24-5

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 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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Kayla Kenyon For Jen Pellegrini, Project Manager