



**Entrada Consulting Group**

**Chelsea Veryser**

**330 Grand Ave. Unit C**

**Grand Junction CO 81501**

**February 19, 2025**

**Project Name - Chevron - FOSS 06-35**

**Project Number - [none]**

Attached are your analytical results for Chevron - FOSS 06-35 received by Origins Laboratory January 29, 2025. This project is associated with Origins project number E5A0691-01.

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 Verysen

Project Number: [none]

Project: Chevron - FOSS 06-35

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH01@6	E5A0691-01	Soil	January 29, 2025 9:45	01/29/2025 16:46

Origins Laboratory

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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 - FOSS 06-35

Origins Laboratory

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

### Sample Receipt Checklist

Origins Work Order: ESA0691

Client: Entrada

Client Project ID: FOSS 06-35

Checklist Completed by: SKM / NKM

Shipped Via: \_\_\_\_\_

Date/time completed: 2/30/25

(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 / 2.4 °C (Describe)

Thermometer ID: T-002

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"/>	<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 type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<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 type="checkbox"/>	<input type="checkbox"/>	<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 type="checkbox"/>	<input type="checkbox"/>	<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 in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) JP

Date/Time Reviewed 1/31/25

Origins Laboratory

*EHO*

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 Grand Junction CO 81501

Chelsea Verysen  
 Project Number: [none]  
 Project: Chevron - FOSS 06-35

WH01@6  
 1/29/2025 9:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**E5A0691-01 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.200		0.0988	mg/L	1	B5A3040	01/30/2025	02/03/2025	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B5A3101	01/31/2025	01/31/2025	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	78.2 %		50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5A3027	01/30/2025	01/31/2025	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	107 %		70-130			"	"	"	
Surrogate: Toluene-d8	104 %		70-130			"	"	"	

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Chelsea Verysen  
 Project Number: [none]  
 Project: Chevron - FOSS 06-35

WH01@6  
 1/29/2025 9:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**E5A0691-01 (Soil)**

**GBTEX+TMBs by 8260D**

Surrogate: 4-Bromofluorobenzene 90.0 % 70-130 B5A30 01/30/2025 01/31/2025  
 27

**Metals by Saturated Paste by EPA 6010**

Calcium	0.535	0.499	meq/L	10	[CALC]	01/30/2025	02/05/2025
Magnesium	ND	0.823	"	"	"	"	"
Sodium	5.22	0.435	"	"	"	"	"

**PAH BY 8270E**

1-Methylnaphthalene	ND	0.00122	0.00369	mg/kg dry	1	2748709	02/12/2025	02/13/2025	U
2-Methylnaphthalene	ND	0.00122	0.00369	"	"	"	"	"	U
Acenaphthene	ND	0.00122	0.00369	"	"	"	"	"	U
Anthracene	ND	0.00122	0.00369	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00122	0.00369	"	"	"	"	"	U
Benzo(a)pyrene	ND	0.00122	0.00369	"	"	"	"	"	U
Benzo(b)fluoranthene	ND	0.00122	0.00369	"	"	"	"	"	U
Benzo(k)fluoranthene	ND	0.00122	0.00369	"	"	"	"	"	U
Chrysene	ND	0.00122	0.00369	"	"	"	"	"	U
Dibenzo(a,h)anthracene	ND	0.00122	0.00369	"	"	"	"	"	U
Fluoranthene	ND	0.00122	0.00369	"	"	"	"	"	U
Fluorene	ND	0.00122	0.00369	"	"	"	"	"	U

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WH01@6  
 1/29/2025 9:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**GEL Laboratories, LLC**  
**E5A0691-01 (Soil)**

**PAH BY 8270E**

Indeno(1,2,3-cd)pyrene	ND	0.00122	0.00369	mg/kg dry	1	2748709	02/12/2025	02/13/2025	U
Naphthalene	ND	0.00122	0.00369	"	"	"	"	"	U
Pyrene	ND	0.00122	0.00369	"	"	"	"	"	U

Surrogate: 5-alpha-Androstane 79 % 22-135 " " "

**pH in Soil by 9045D**

pH 8.91 pH Units 1 B5A3043 01/30/2025 02/04/2025

**SAR by 20B Saturated Paste**

SAR 6.77 0.0100 SAR 1 B5A3037 01/30/2025 02/05/2025

**Specific Conductance Mod. 9050A**

Specific Conductance (EC) 0.803 0.00500 mmhos/cm 1 B5A3043 01/30/2025 02/04/2025

**Table 915 metals by EPA 6020B**

Arsenic	2.10	0.278	mg/kg	10	B5A3029	01/30/2025	01/31/2025
Barium	41.4	9.59	"	"	"	"	"
Cadmium	ND	0.0959	"	"	"	"	"

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WH01@6

1/29/2025 9:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**E5A0691-01 (Soil)**

**Table 915 metals by EPA 6020B**

Copper	ND		9.59	mg/kg	10	B5A3029	01/30/2025	01/31/2025	
Lead	<b>4.00</b>		0.959	"	"	"	"	"	
Nickel	<b>3.96</b>		0.959	"	"	"	"	"	
Selenium	ND		0.249	"	"	"	"	"	
Silver	ND		0.0959	"	"	"	"	"	
Zinc	ND		35.5	"	"	"	"	"	

**TOTAL METALS BY 7196A**

Hexavalent Chromium	ND	0.169	0.422	mg/kg dry	1	2749117	02/14/2025	02/18/2025	U
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Chelsea Verysen  
 Project Number: [none]  
 Project: Chevron - FOSS 06-35

**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 B5A3027 - EPA 5030 (soil)**

**Blank (B5A3027-BLK1)**

Prepared: 01/30/2025 Analyzed: 01/30/2025

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							Ua
1,3,5-Trimethylbenzene	ND	0.00200	"							Ua
Benzene	ND	0.00200	"							Ua
Ethylbenzene	ND	0.00200	"							Ua
Toluene	ND	0.00200	"							Ua
Xylenes, total	ND	0.00200	"							Ua
Gasoline Range Hydrocarbons	ND	0.200	"							Ua
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.3	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		105	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		89.7	70-130			

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Chelsea Verysen  
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**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 B5A3027 - EPA 5030 (soil)**

**LCS (B5A3027-BS1)**

Prepared: 01/30/2025 Analyzed: 01/30/2025

1,2,4-Trimethylbenzene	0.0993	0.00200	mg/kg	0.100		99.3	70-130			
1,3,5-Trimethylbenzene	0.102	0.00200	"	0.100		102	70-130			
Benzene	0.0925	0.00200	"	0.100		92.5	70-130			
Ethylbenzene	0.0994	0.00200	"	0.100		99.4	70-130			
Toluene	0.0940	0.00200	"	0.100		94.0	70-130			
o-Xylene	0.0980	0.00200	"	0.100		98.0	70-130			
m,p-Xylene	0.203	0.00400	"	0.200		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		94.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		95.6	70-130			

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 Grand Junction CO 81501

Chelsea Verysen  
 Project Number: [none]  
 Project: Chevron - FOSS 06-35

**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 B5A3027 - EPA 5030 (soil)**

**Matrix Spike (B5A3027-MS1)**

**Source: E5A0620-01**

Prepared: 01/30/2025 Analyzed: 01/30/2025

1,2,4-Trimethylbenzene	0.0858	0.00200	mg/kg	0.100	ND	85.8	70-130			
1,3,5-Trimethylbenzene	0.0876	0.00200	"	0.100	ND	87.6	70-130			
Benzene	0.0880	0.00200	"	0.100	ND	88.0	70-130			
Ethylbenzene	0.0953	0.00200	"	0.100	ND	95.3	70-130			
Toluene	0.0869	0.00200	"	0.100	ND	86.9	70-130			
o-Xylene	0.0928	0.00200	"	0.100	ND	92.8	70-130			
m,p-Xylene	0.192	0.00400	"	0.200	ND	96.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.7	70-130			

Origins Laboratory

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 Grand Junction CO 81501

Chelsea Verysen  
 Project Number: [none]  
 Project: Chevron - FOSS 06-35

**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 B5A3027 - EPA 5030 (soil)**

**Matrix Spike Dup (B5A3027-MSD1)**

**Source: E5A0620-01**

Prepared: 01/30/2025 Analyzed: 01/30/2025

1,2,4-Trimethylbenzene	0.0850	0.00200	mg/kg	0.100	ND	85.0	70-130	0.913	20	
1,3,5-Trimethylbenzene	0.0866	0.00200	"	0.100	ND	86.6	70-130	1.19	20	
Benzene	0.0856	0.00200	"	0.100	ND	85.6	70-130	2.70	20	
Ethylbenzene	0.0946	0.00200	"	0.100	ND	94.6	70-130	0.716	20	
Toluene	0.0863	0.00200	"	0.100	ND	86.3	70-130	0.693	20	
o-Xylene	0.0931	0.00200	"	0.100	ND	93.1	70-130	0.280	20	
m,p-Xylene	0.191	0.00400	"	0.200	ND	95.4	70-130	0.564	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		95.5	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.7	70-130			

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330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - FOSS 06-35

**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 B5A3101 - EPA 3550B

Blank (B5A3101-BLK1)

Prepared: 01/31/2025 Analyzed: 01/31/2025

Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	23		"	24.9		92.5	50-150			

Origins Laboratory

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330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Verysen

Project Number: [none]

Project: Chevron - FOSS 06-35

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory

Table with 11 columns: Analyte, Result, Reporting Limit, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Notes

Batch B5A3101 - EPA 3550B

LCS (B5A3101-BS1)

Prepared: 01/31/2025 Analyzed: 01/31/2025

Table with 3 rows of data: Diesel (C10-C28), Residual Range Organics (C28-C40), Surrogate: o-Terphenyl

Origins Laboratory

Signature: EHO

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Chelsea Verysen  
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**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 B5A3101 - EPA 3550B**

**Matrix Spike (B5A3101-MS1)**

**Source: E5A0621-02**

Prepared: 01/31/2025 Analyzed: 01/31/2025

Diesel (C10-C28)	1050	50.0	mg/kg	1000	ND	105	70-130			
Residual Range Organics (C28-C40)	1160	200	"	1000	ND	116	70-130			
Surrogate: o-Terphenyl	46		"	49.8		92.8	50-150			

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**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 B5A3101 - EPA 3550B**

**Matrix Spike Dup (B5A3101-MSD1)**

**Source: E5A0621-02**

Prepared: 01/31/2025 Analyzed: 01/31/2025

Diesel (C10-C28)	1040	50.0	mg/kg	1000	ND	104	70-130	0.944	35	
Residual Range Organics (C28-C40)	1160	200	"	1000	ND	116	70-130	0.539	35	
Surrogate: o-Terphenyl	56		"	49.8		113	50-150			

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Chelsea Verysen  
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**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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**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 B5A3029 - EPA 3050B**

**Blank (B5A3029-BLK1)**

Prepared: 01/30/2025 Analyzed: 01/31/2025

Arsenic	ND	0.290	mg/kg							
Barium	ND	10.0	"							
Cadmium	ND	0.100	"							
Copper	ND	10.0	"							
Lead	ND	1.00	"							
Nickel	ND	1.00	"							
Selenium	ND	0.260	"							
Silver	ND	0.100	"							
Zinc	ND	37.0	"							

**LCS (B5A3029-BS1)**

Prepared: 01/30/2025 Analyzed: 01/31/2025

Arsenic	4.34	0.290	mg/kg	5.00		86.9	80-120			
Barium	408	10.0	"	500		81.7	80-120			
Cadmium	4.30	0.100	"	5.00		86.0	80-120			
Copper	45.0	10.0	"	50.0		90.1	80-120			
Lead	4.19	1.00	"	5.00		83.8	80-120			
Nickel	4.65	1.00	"	5.00		93.0	80-120			
Selenium	5.19	0.260	"	5.00		104	80-120			
Silver	4.32	0.100	"	5.00		86.4	80-120			
Zinc	43.3	37.0	"	50.0		86.5	80-120			

**Matrix Spike (B5A3029-MS1)**

Source: E5A0685-01

Prepared: 01/30/2025 Analyzed: 01/31/2025

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 - FOSS 06-35

**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 B5A3029 - EPA 3050B**

**Matrix Spike (B5A3029-MS1)**

**Source: E5A0685-01**

Prepared: 01/30/2025 Analyzed: 01/31/2025

Arsenic	5.15	0.271	mg/kg	4.67	1.20	84.6	75-125			
Barium	433	9.35	"	467	15.4	89.3	75-125			
Cadmium	3.98	0.0935	"	4.67	0.0491	84.1	75-125			
Copper	45.0	9.35	"	46.7	2.01	92.0	75-125			
Lead	7.74	0.935	"	4.67	2.66	109	75-125			
Nickel	6.40	0.935	"	4.67	2.05	93.2	75-125			
Selenium	4.84	0.243	"	4.67	0.0810	102	75-125			
Silver	3.94	0.0935	"	4.67	ND	84.3	75-125			
Zinc	49.8	34.6	"	46.7	10.1	84.9	75-125			

**Matrix Spike Dup (B5A3029-MSD1)**

**Source: E5A0685-01**

Prepared: 01/30/2025 Analyzed: 01/31/2025

Arsenic	5.44	0.268	mg/kg	4.63	1.20	91.7	75-125	5.46	20	
Barium	427	9.26	"	463	15.4	88.9	75-125	1.35	20	
Cadmium	4.08	0.0926	"	4.63	0.0491	87.2	75-125	2.54	20	
Copper	47.5	9.26	"	46.3	2.01	98.2	75-125	5.27	20	
Lead	7.01	0.926	"	4.63	2.66	94.0	75-125	9.92	20	
Nickel	6.16	0.926	"	4.63	2.05	88.9	75-125	3.84	20	
Selenium	4.96	0.241	"	4.63	0.0810	105	75-125	2.35	20	
Silver	4.01	0.0926	"	4.63	ND	86.6	75-125	1.72	20	
Zinc	52.9	34.2	"	46.3	10.1	92.5	75-125	6.08	20	

Origins Laboratory

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

Chelsea Verysen  
 Project Number: [none]  
 Project: Chevron - FOSS 06-35

**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 B5A3037 - Saturated Paste Metals**

**Blank (B5A3037-BLK1)**

Prepared: 01/30/2025 Analyzed: 02/05/2025

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

**Duplicate (B5A3037-DUP1)**

**Source: E5A0670-01**

Prepared: 01/30/2025 Analyzed: 02/05/2025

SAR	ND	0.0100	SAR	0.673				200		
Calcium PPM	45.6	10.0	mg/L	51.0				11.3	50	
Magnesium PPM	18.1	10.0	"	20.6				13.4	50	
Sodium PPM	19.4	10.0	"	22.5				15.2	50	

**Batch B5A3040 - DTPA Sorbitol Preparation**

**Blank (B5A3040-BLK1)**

Prepared: 01/30/2025 Analyzed: 02/03/2025

Boron	ND	0.100	mg/L							
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**Duplicate (B5A3040-DUP1)**

**Source: E5A0670-01**

Prepared: 01/30/2025 Analyzed: 02/03/2025

Boron	0.218	0.0987	mg/L	0.230				5.62	50	
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Origins Laboratory

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 Grand Junction CO 81501

Chelsea Verysen  
 Project Number: [none]  
 Project: Chevron - FOSS 06-35

**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 B5A3043 - Saturated Paste pH/EC**

**Blank (B5A3043-BLK1)**

Prepared: 01/30/2025 Analyzed: 02/04/2025

Specific Conductance (EC) ND 0.00500 mmhos/cm

**Duplicate (B5A3043-DUP1)**

**Source: E5A0670-01**

Prepared: 01/30/2025 Analyzed: 02/04/2025

Specific Conductance (EC)	0.512	0.00500	mmhos/cm		0.605		16.7	25	
pH	8.28		pH Units		8.29		0.121	25	

Origins Laboratory

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

Chelsea Verysen  
 Project Number: [none]  
 Project: Chevron - FOSS 06-35

**PAH BY 8270E - Quality Control**  
**GEL Laboratories, LLC**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2748709 - SW846 3541**

**BLANK (1206002921-BLK)**

Prepared: 02/12/2025 Analyzed: 02/12/2025

Indeno(1,2,3-cd)pyrene	ND	0.00329	mg/kg	-	-	-	-	-	-	U
Naphthalene	ND	0.00329	"	-	-	-	-	-	-	U
Pyrene	ND	0.00329	"	-	-	-	-	-	-	U
Fluoranthene	ND	0.00329	"	-	-	-	-	-	-	U
Dibenzo(a,h)anthracene	ND	0.00329	"	-	-	-	-	-	-	U
Chrysene	ND	0.00329	"	-	-	-	-	-	-	U
Benzo(k)fluoranthene	ND	0.00329	"	-	-	-	-	-	-	U
Benzo(b)fluoranthene	ND	0.00329	"	-	-	-	-	-	-	U
Fluorene	ND	0.00329	"	-	-	-	-	-	-	U
Benzo(a)anthracene	ND	0.00329	"	-	-	-	-	-	-	U
1-Methylnaphthalene	ND	0.00329	"	-	-	-	-	-	-	U
Acenaphthene	ND	0.00329	"	-	-	-	-	-	-	U
Anthracene	ND	0.00329	"	-	-	-	-	-	-	U
2-Methylnaphthalene	ND	0.00329	"	-	-	-	-	-	-	U
Benzo(a)pyrene	ND	0.00329	"	-	-	-	-	-	-	U

Surrogate: 5-alpha-Androstane

0.107

"

0.165

65

22-135

**LCS (1206002922-BKS)**

Prepared: 02/12/2025 Analyzed: 02/12/2025

Benzo(a)pyrene	0.233	0.00331	mg/kg	0.331	70	39-127
Benzo(b)fluoranthene	0.230	0.00331	"	0.331	70	39-123
Benzo(k)fluoranthene	0.212	0.00331	"	0.331	64	40-122
Fluorene	0.237	0.00331	"	0.331	72	37-115
Fluoranthene	0.221	0.00331	"	0.331	67	39-119
Naphthalene	0.243	0.00331	"	0.331	73	38-109
Indeno(1,2,3-cd)pyrene	0.217	0.00331	"	0.331	66	38-133
Chrysene	0.238	0.00331	"	0.331	72	42-117
Benzo(a)anthracene	0.246	0.00331	"	0.331	75	42-120

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 - FOSS 06-35

**PAH BY 8270E - Quality Control**  
**GEL Laboratories, LLC**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2748709 - SW846 3541**

**LCS (1206002922-BKS)**

Prepared: 02/12/2025 Analyzed: 02/12/2025

Dibenzo(a,h)anthracene	0.200	0.00331	mg/kg	0.331		60	38-132			
Acenaphthene	0.226	0.00331	"	0.331		68	41-112			
2-Methylnaphthalene	0.240	0.00331	"	0.331		73	39-110			
1-Methylnaphthalene	0.238	0.00331	"	0.331		72	39-109			
Pyrene	0.223	0.00331	"	0.331		67	38-117			
Anthracene	0.237	0.00331	"	0.331		72	41-117			

Surrogate: 5-alpha-Androstane

0.128

"

0.165

77

22-135

**LCSD (1206002923-BKSD)**

Prepared: 02/12/2025 Analyzed: 02/12/2025

Pyrene	0.212	0.00329	mg/kg	0.329		64	38-117	5	30	
Benzo(k)fluoranthene	0.202	0.00329	"	0.329		61	40-122	5	30	
Benzo(b)fluoranthene	0.218	0.00329	"	0.329		66	39-123	5	30	
Benzo(a)pyrene	0.222	0.00329	"	0.329		68	39-127	5	30	
Benzo(a)anthracene	0.237	0.00329	"	0.329		72	42-120	4	30	
Acenaphthene	0.218	0.00329	"	0.329		66	41-112	4	30	
Indeno(1,2,3-cd)pyrene	0.210	0.00329	"	0.329		64	38-133	3	30	
Chrysene	0.228	0.00329	"	0.329		69	42-117	4	30	
Anthracene	0.226	0.00329	"	0.329		69	41-117	5	30	
Naphthalene	0.229	0.00329	"	0.329		70	38-109	6	30	
2-Methylnaphthalene	0.228	0.00329	"	0.329		69	39-110	5	30	
Fluorene	0.230	0.00329	"	0.329		70	37-115	3	30	
Fluoranthene	0.210	0.00329	"	0.329		64	39-119	5	30	
Dibenzo(a,h)anthracene	0.195	0.00329	"	0.329		59	38-132	3	30	
1-Methylnaphthalene	0.226	0.00329	"	0.329		69	39-109	5	30	

Surrogate: 5-alpha-Androstane

0.123

"

0.165

75

22-135

**MS (1206002950 S)**

Source: 708247002

Prepared: 02/12/2025 Analyzed: 02/12/2025

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 - FOSS 06-35

**PAH BY 8270E - Quality Control**  
**GEL Laboratories, LLC**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2748709 - SW846 3541

**MS (1206002950 S)**

Source: 708247002

Prepared: 02/12/2025 Analyzed: 02/12/2025

Pyrene	0.312	0.00431	mg/kg dry	0.431	0.00562	71	12-139			
Indeno(1,2,3-cd)pyrene	0.298	0.00431	"	0.431	<0.00142	69	13-134			
Fluorene	0.309	0.00431	"	0.431	<0.00142	72	16-134			
Fluoranthene	0.304	0.00431	"	0.431	<0.00142	71	14-136			
Dibenzo(a,h)anthracene	0.284	0.00431	"	0.431	<0.00142	66	11-134			
Benzo(b)fluoranthene	0.296	0.00431	"	0.431	0.00216	68	14-136			
Benzo(k)fluoranthene	0.271	0.00431	"	0.431	<0.00142	63	18-138			
Naphthalene	0.324	0.00431	"	0.431	<0.00142	75	16-126			
Benzo(a)anthracene	0.328	0.00431	"	0.431	<0.00142	76	20-132			
Anthracene	0.337	0.00431	"	0.431	<0.00142	78	18-136			
Acenaphthene	0.308	0.00431	"	0.431	<0.00142	71	17-129			
2-Methylnaphthalene	0.334	0.00431	"	0.431	<0.00142	77	15-132			
1-Methylnaphthalene	0.336	0.00431	"	0.431	<0.00142	78	15-129			
Benzo(a)pyrene	0.301	0.00431	"	0.431	<0.00142	70	16-133			
Chrysene	0.317	0.00431	"	0.431	<0.00142	74	19-129			
Surrogate: 5-alpha-Androstane	0.234		"	0.215	0.198	108	22-135			

**MSD (1206002951 SD)**

Source: 708247002

Prepared: 02/12/2025 Analyzed: 02/12/2025

Pyrene	0.278	0.00434	mg/kg dry	0.434	0.00562	63	12-139	12	30	
Chrysene	0.284	0.00434	"	0.434	<0.00143	65	19-129	11	30	
Dibenzo(a,h)anthracene	0.255	0.00434	"	0.434	<0.00143	59	11-134	11	30	
Fluoranthene	0.271	0.00434	"	0.434	<0.00143	62	14-136	12	30	
Fluorene	0.271	0.00434	"	0.434	<0.00143	62	16-134	13	30	
Naphthalene	0.305	0.00434	"	0.434	<0.00143	70	16-126	6	30	
Benzo(a)pyrene	0.268	0.00434	"	0.434	<0.00143	62	16-133	12	30	
Indeno(1,2,3-cd)pyrene	0.261	0.00434	"	0.434	<0.00143	60	13-134	13	30	
Benzo(b)fluoranthene	0.257	0.00434	"	0.434	0.00216	59	14-136	14	30	

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 - FOSS 06-35

**PAH BY 8270E - Quality Control**  
**GEL Laboratories, LLC**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2748709 - SW846 3541

MSD (1206002951 SD)

Source: 708247002

Prepared: 02/12/2025 Analyzed: 02/12/2025

Benzo(a)anthracene	0.282	0.00434	mg/kg dry	0.434	<0.00143	65	20-132	15	30	
Anthracene	0.302	0.00434	"	0.434	<0.00143	70	18-136	11	30	
Acenaphthene	0.272	0.00434	"	0.434	<0.00143	63	17-129	12	30	
2-Methylnaphthalene	0.307	0.00434	"	0.434	<0.00143	71	15-132	8	30	
1-Methylnaphthalene	0.309	0.00434	"	0.434	<0.00143	71	15-129	8	30	
Benzo(k)fluoranthene	0.238	0.00434	"	0.434	<0.00143	55	18-138	13	30	
Surrogate: 5-alpha-Androstane	0.264		"	0.217	0.198	122	22-135			

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 - FOSS 06-35

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2749117 - SW846 3060A**

**BLANK (1206003715-BLK)**

Prepared: 02/14/2025 Analyzed: 02/18/2025

Hexavalent Chromium	ND	0.376	mg/kg				-			U
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**LCS (1206003716-BKS)**

Prepared: 02/14/2025 Analyzed: 02/18/2025

Hexavalent Chromium	3.73	0.381	mg/kg	3.81		98	80-120			
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**DUP (1206003717 D)**

**Source: E5A0691-01**

Prepared: 02/14/2025 Analyzed: 02/18/2025

Hexavalent Chromium	ND	0.423	mg/kg dry		<0.169		0-50	N/A	50	U
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**MS (1206003718 S)**

**Source: E5A0691-01**

Prepared: 02/14/2025 Analyzed: 02/18/2025

Hexavalent Chromium	2.98	0.423	mg/kg dry	4.23	<0.169	69.3	75-125			
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**DUP (1206003719 D)**

**Source: 708253001**

Prepared: 02/14/2025 Analyzed: 02/18/2025

Hexavalent Chromium	ND	0.287	mg/kg dry		<0.115		0-50	N/A	50	U
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**MS (1206003720 S)**

**Source: 708253001**

Prepared: 02/14/2025 Analyzed: 02/18/2025

Hexavalent Chromium	2.21	0.287	mg/kg dry	2.87	<0.115	77	75-125			
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**ILCS (1206003721-ILCS)**

Prepared: 02/14/2025 Analyzed: 02/18/2025

Hexavalent Chromium	7.92	0.365	mg/kg	7.44		107	80-120			
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Origins Laboratory

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

Chelsea Verysen  
Project Number: [none]  
Project: Chevron - FOSS 06-35

### Notes and Definitions

- Ua Sample is Non-Detect.
  - U Result not detected above the detection limit
  - 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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