



Entrada Consulting Group

Chelsea Veryser

330 Grand Ave. Unit C

Grand Junction CO 81501

February 20, 2025

Project Name - Chevron - Wolfe USX CC07-25

Project Number - [none]

Attached are your analytical results for Chevron - Wolfe USX CC07-25 received by Origins Laboratory February 06, 2025. This project is associated with Origins project number E5B0180-01.

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 - Wolfe USX CC07-25

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH01@6.5	E5B0180-01	Soil	February 6, 2025 11:00	02/06/2025 17:15

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 - Wolfe USX CC07-25

Origins Laboratory

Sample Receipt Checklist

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

Origins Work Order: ESB010

Client: Entrada

Checklist Completed by: VS / sm

Client Project ID: Wolfe CC07-25

Date/Time completed: 2/18/25

Shipped Via: HD
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)

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

Airbill #: N/A

Cooler Number/Temperature: 1, 12 °C

Water _____ Other: _____ (Describe)

Thermometer ID: 7009

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"/>			
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 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 NaAcO ₂ +NaOH, ZnAc ₂ +NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

Reviewed by (Project Manager) AV

2/18/25
 Date/Time Reviewed

Origins Laboratory

EHO

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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Wolfe USX CC07-25

WH01@6.5

2/6/2025 11:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E5B0180-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.248	0.101	mg/L	1	B5B0739	02/07/2025	02/11/2025	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B5B1045	02/10/2025	02/11/2025	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: <i>o</i> -Terphenyl	82.8 %	50-150	"	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B5B0901	02/09/2025	02/10/2025	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	97.4 %	70-130	"	"	"	"	"	"

Origins Laboratory

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ORIGINS LABORATORY

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Chelsea Verysen
Project Number: [none]
Project: Chevron - Wolfe USX CC07-25

WH01@6.5

2/6/2025 11:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E5B0180-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	101 %	70-130	B5B09 01	02/09/2025	02/10/2025
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Metals by Saturated Paste by EPA 6010

Calcium	0.854	0.499	meq/L	10	[CALC]	02/07/2025	02/12/2025
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.29	0.435	"	"	"	"	"

PAH BY 8270E

1-Methylnaphthalene	ND	0.00113	0.00343	mg/kg dry	1	2748709	02/12/2025	02/13/2025	U
2-Methylnaphthalene	ND	0.00113	0.00343	"	"	"	"	"	U
Acenaphthene	ND	0.00113	0.00343	"	"	"	"	"	U
Anthracene	ND	0.00113	0.00343	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00113	0.00343	"	"	"	"	"	U
Benzo(a)pyrene	ND	0.00113	0.00343	"	"	"	"	"	U
Benzo(b)fluoranthene	ND	0.00113	0.00343	"	"	"	"	"	U
Benzo(k)fluoranthene	ND	0.00113	0.00343	"	"	"	"	"	U
Chrysene	ND	0.00113	0.00343	"	"	"	"	"	U
Dibenzo(a,h)anthracene	ND	0.00113	0.00343	"	"	"	"	"	U
Fluoranthene	ND	0.00113	0.00343	"	"	"	"	"	U
Fluorene	ND	0.00113	0.00343	"	"	"	"	"	U

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WH01@6.5

2/6/2025 11:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC
E5B0180-01 (Soil)

PAH BY 8270E

Indeno(1,2,3-cd)pyrene	ND	0.00113	0.00343	mg/kg dry	1	2748709	02/12/2025	02/13/2025	U
Naphthalene	ND	0.00113	0.00343	"	"	"	"	"	U
Pyrene	ND	0.00113	0.00343	"	"	"	"	"	U

Surrogate: 5-alpha-Androstane 66 % 22-135 " " "

pH in Soil by 9045D

pH 8.41 pH Units 1 B5B0747 02/07/2025 02/11/2025

SAR by 20B Saturated Paste

SAR 1.66 0.0100 SAR 1 B5B0744 02/07/2025 02/12/2025

Specific Conductance Mod. 9050A

Specific Conductance (EC) 0.346 0.00500 mmhos/cm 1 B5B0747 02/07/2025 02/11/2025

Table 915 metals by EPA 6020B

Arsenic	3.09	0.279	mg/kg	10	B5B0730	02/07/2025	02/11/2025
Barium	83.7	9.61	"	"	"	"	"
Cadmium	ND	0.0961	"	"	"	"	"

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WH01@6.5

2/6/2025 11:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E5B0180-01 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		9.61	mg/kg	10	B5B0730	02/07/2025	02/11/2025	
Lead	4.13		0.961	"	"	"	"	"	
Nickel	4.62		0.961	"	"	"	"	"	
Selenium	ND		0.250	"	"	"	"	"	
Silver	ND		0.0961	"	"	"	"	"	
Zinc	ND		35.5	"	"	"	"	"	

TOTAL METALS BY 7196A

Hexavalent Chromium	ND	0.127	0.317	mg/kg dry	1	2749117	02/14/2025	02/18/2025	U
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Entrada Consulting Group
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 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Wolfe USX CC07-25

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 B5B0901 - EPA 5030 (soil)

Blank (B5B0901-BLK1)

Prepared: 02/09/2025 Analyzed: 02/09/2025

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		98.0	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

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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 B5B0901 - EPA 5030 (soil)

LCS (B5B0901-BS1)

Prepared: 02/09/2025 Analyzed: 02/09/2025

1,2,4-Trimethylbenzene	0.109	0.00200	mg/kg	0.100		109	70-130			
1,3,5-Trimethylbenzene	0.107	0.00200	"	0.100		107	70-130			
Benzene	0.0968	0.00200	"	0.100		96.8	70-130			
Ethylbenzene	0.107	0.00200	"	0.100		107	70-130			
Toluene	0.0977	0.00200	"	0.100		97.7	70-130			
o-Xylene	0.107	0.00200	"	0.100		107	70-130			
m,p-Xylene	0.215	0.00400	"	0.200		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.6	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		97.2	70-130			

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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 B5B0901 - EPA 5030 (soil)

Matrix Spike (B5B0901-MS1)

Source: E5B0170-01

Prepared: 02/09/2025 Analyzed: 02/09/2025

1,2,4-Trimethylbenzene	0.109	0.00200	mg/kg	0.100	ND	109	70-130			
1,3,5-Trimethylbenzene	0.109	0.00200	"	0.100	ND	109	70-130			
Benzene	0.0945	0.00200	"	0.100	ND	94.5	70-130			
Ethylbenzene	0.111	0.00200	"	0.100	ND	111	70-130			
Toluene	0.0984	0.00200	"	0.100	ND	98.4	70-130			
o-Xylene	0.108	0.00200	"	0.100	ND	108	70-130			
m,p-Xylene	0.226	0.00400	"	0.200	ND	113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		89.0	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		97.4	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 B5B0901 - EPA 5030 (soil)

Matrix Spike Dup (B5B0901-MSD1)

Source: E5B0170-01

Prepared: 02/09/2025 Analyzed: 02/09/2025

1,2,4-Trimethylbenzene	0.105	0.00200	mg/kg	0.100	ND	105	70-130	4.34	20	
1,3,5-Trimethylbenzene	0.103	0.00200	"	0.100	ND	103	70-130	5.46	20	
Benzene	0.0931	0.00200	"	0.100	ND	93.1	70-130	1.53	20	
Ethylbenzene	0.103	0.00200	"	0.100	ND	103	70-130	7.51	20	
Toluene	0.0935	0.00200	"	0.100	ND	93.5	70-130	5.11	20	
o-Xylene	0.103	0.00200	"	0.100	ND	103	70-130	4.89	20	
m,p-Xylene	0.208	0.00400	"	0.200	ND	104	70-130	8.28	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.1	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.8	70-130			

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Chelsea Verysen
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 Project: Chevron - Wolfe USX CC07-25

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 B5B1045 - EPA 3550B

Blank (B5B1045-BLK1)

Prepared: 02/10/2025 Analyzed: 02/11/2025

Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	24		"	24.9		97.0	50-150			

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Entrada Consulting Group
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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Wolfe USX CC07-25

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 B5B1045 - EPA 3550B

LCS (B5B1045-BS1)

Prepared: 02/10/2025 Analyzed: 02/11/2025

Diesel (C10-C28)	988	50.0	mg/kg	1000		98.8	70-130			
Residual Range Organics (C28-C40)	1100	200	"	1000		110	70-130			
Surrogate: o-Terphenyl	42		"	49.8		84.9	50-150			

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Chelsea Verysen
 Project Number: [none]
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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 B5B1045 - EPA 3550B

Matrix Spike (B5B1045-MS1)

Source: E5B0169-01

Prepared: 02/10/2025 Analyzed: 02/11/2025

Diesel (C10-C28)	962	50.0	mg/kg	1000	ND	96.2	70-130			
Residual Range Organics (C28-C40)	1080	200	"	1000	ND	108	70-130			
Surrogate: o-Terphenyl	37		"	49.8		74.8	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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Batch B5B1045 - EPA 3550B

Matrix Spike Dup (B5B1045-MSD1)

Source: E5B0169-01

Prepared: 02/10/2025 Analyzed: 02/11/2025

Diesel (C10-C28)	1070	50.0	mg/kg	1000	ND	107	70-130	10.8	35	
Residual Range Organics (C28-C40)	1200	200	"	1000	ND	120	70-130	11.1	35	
Surrogate: o-Terphenyl	41		"	49.8		82.5	50-150			

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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Wolfe USX CC07-25

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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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 B5B0730 - EPA 3050B

Blank (B5B0730-BLK1)

Prepared: 02/07/2025 Analyzed: 02/11/2025

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 (B5B0730-BS1)

Prepared: 02/07/2025 Analyzed: 02/11/2025

Arsenic	5.21	0.290	mg/kg	5.00		104	80-120			
Barium	526	10.0	"	500		105	80-120			
Cadmium	5.22	0.100	"	5.00		104	80-120			
Copper	52.5	10.0	"	50.0		105	80-120			
Lead	5.02	1.00	"	5.00		100	80-120			
Nickel	5.33	1.00	"	5.00		107	80-120			
Selenium	5.11	0.260	"	5.00		102	80-120			
Silver	5.07	0.100	"	5.00		101	80-120			
Zinc	51.6	37.0	"	50.0		103	80-120			

Matrix Spike (B5B0730-MS1)

Source: E5B0182-02

Prepared: 02/07/2025 Analyzed: 02/11/2025

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 Project: Chevron - Wolfe USX CC07-25

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 B5B0730 - EPA 3050B

Matrix Spike (B5B0730-MS1)

Source: E5B0182-02

Prepared: 02/07/2025 Analyzed: 02/11/2025

Arsenic	7.78	0.247	mg/kg	4.26	3.32	105	75-125			
Barium	571	8.52	"	426	124	105	75-125			
Cadmium	5.22	0.0852	"	4.26	0.611	108	75-125			
Copper	63.3	8.52	"	42.6	18.6	105	75-125			
Lead	34.6	0.852	"	4.26	22.4	287	75-125			QM-07
Nickel	15.2	0.852	"	4.26	10.1	118	75-125			
Selenium	4.54	0.222	"	4.26	0.295	99.7	75-125			
Silver	4.29	0.0852	"	4.26	0.0543	99.5	75-125			
Zinc	112	31.5	"	42.6	63.4	114	75-125			

Matrix Spike Dup (B5B0730-MSD1)

Source: E5B0182-02

Prepared: 02/07/2025 Analyzed: 02/11/2025

Arsenic	8.09	0.266	mg/kg	4.58	3.32	104	75-125	3.92	20	
Barium	597	9.17	"	458	124	103	75-125	4.44	20	
Cadmium	5.54	0.0917	"	4.58	0.611	108	75-125	6.02	20	
Copper	66.3	9.17	"	45.8	18.6	104	75-125	4.72	20	
Lead	28.8	0.917	"	4.58	22.4	140	75-125	18.4	20	QM-07
Nickel	14.8	0.917	"	4.58	10.1	101	75-125	2.48	20	
Selenium	4.80	0.238	"	4.58	0.295	98.3	75-125	5.59	20	
Silver	4.71	0.0917	"	4.58	0.0543	102	75-125	9.29	20	
Zinc	110	33.9	"	45.8	63.4	102	75-125	1.78	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 - Wolfe USX CC07-25

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 B5B0739 - DTPA Sorbitol Preparation

Blank (B5B0739-BLK1)

Prepared: 02/07/2025 Analyzed: 02/11/2025

Boron ND 0.100 mg/L

Duplicate (B5B0739-DUP1)

Source: E5B0179-16

Prepared: 02/07/2025 Analyzed: 02/11/2025

Boron 0.832 0.0991 mg/L 0.790 5.22 50

Batch B5B0744 - Saturated Paste Metals

Blank (B5B0744-BLK1)

Prepared: 02/07/2025 Analyzed: 02/12/2025

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 (B5B0744-DUP1)

Source: E5B0179-21

Prepared: 02/07/2025 Analyzed: 02/12/2025

SAR ND 0.0100 SAR 13.4 200

Calcium PPM 77.3 10.0 mg/L 63.0 20.4 50

Magnesium PPM 37.7 10.0 " 31.5 17.9 50

Sodium PPM 566 10.0 " 523 7.98 50

Origins Laboratory

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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Wolfe USX CC07-25

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 B5B0747 - Saturated Paste pH/EC

Blank (B5B0747-BLK1)

Prepared: 02/07/2025 Analyzed: 02/11/2025

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B5B0747-DUP1)

Source: E5B0179-21

Prepared: 02/07/2025 Analyzed: 02/11/2025

Specific Conductance (EC)	2.96	0.00500	mmhos/cm		2.81		5.36	25		
pH	8.33		pH Units		8.37		0.479	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 - Wolfe USX CC07-25

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

Naphthalene	ND	0.00329	mg/kg	-	-	-	-	-	-	U
Pyrene	ND	0.00329	"	-	-	-	-	-	-	U
Indeno(1,2,3-cd)pyrene	ND	0.00329	"	-	-	-	-	-	-	U
Fluorene	ND	0.00329	"	-	-	-	-	-	-	U
Fluoranthene	ND	0.00329	"	-	-	-	-	-	-	U
Dibenzo(a,h)anthracene	ND	0.00329	"	-	-	-	-	-	-	U
Chrysene	ND	0.00329	"	-	-	-	-	-	-	U
1-Methylnaphthalene	ND	0.00329	"	-	-	-	-	-	-	U
Acenaphthene	ND	0.00329	"	-	-	-	-	-	-	U
Anthracene	ND	0.00329	"	-	-	-	-	-	-	U
Benzo(a)anthracene	ND	0.00329	"	-	-	-	-	-	-	U
Benzo(a)pyrene	ND	0.00329	"	-	-	-	-	-	-	U
Benzo(b)fluoranthene	ND	0.00329	"	-	-	-	-	-	-	U
Benzo(k)fluoranthene	ND	0.00329	"	-	-	-	-	-	-	U
2-Methylnaphthalene	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)anthracene	0.246	0.00331	mg/kg	0.331	75	42-120
Dibenzo(a,h)anthracene	0.200	0.00331	"	0.331	60	38-132
Pyrene	0.223	0.00331	"	0.331	67	38-117
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
Fluorene	0.237	0.00331	"	0.331	72	37-115
Fluoranthene	0.221	0.00331	"	0.331	67	39-119
Chrysene	0.238	0.00331	"	0.331	72	42-117
Benzo(k)fluoranthene	0.212	0.00331	"	0.331	64	40-122

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 - Wolfe USX CC07-25

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

1-Methylnaphthalene	0.238	0.00331	mg/kg	0.331		72	39-109			
Benzo(a)pyrene	0.233	0.00331	"	0.331		70	39-127			
Anthracene	0.237	0.00331	"	0.331		72	41-117			
Acenaphthene	0.226	0.00331	"	0.331		68	41-112			
2-Methylnaphthalene	0.240	0.00331	"	0.331		73	39-110			
Benzo(b)fluoranthene	0.230	0.00331	"	0.331		70	39-123			

Surrogate: 5-alpha-Androstane

0.128

"

0.165

77

22-135

LCSD (1206002923-BKSD)

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

Fluoranthene	0.210	0.00329	mg/kg	0.329		64	39-119	5	30	
2-Methylnaphthalene	0.228	0.00329	"	0.329		69	39-110	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	
Anthracene	0.226	0.00329	"	0.329		69	41-117	5	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	
1-Methylnaphthalene	0.226	0.00329	"	0.329		69	39-109	5	30	
Dibenzo(a,h)anthracene	0.195	0.00329	"	0.329		59	38-132	3	30	
Fluorene	0.230	0.00329	"	0.329		70	37-115	3	30	
Naphthalene	0.229	0.00329	"	0.329		70	38-109	6	30	
Pyrene	0.212	0.00329	"	0.329		64	38-117	5	30	
Acenaphthene	0.218	0.00329	"	0.329		66	41-112	4	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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 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Wolfe USX CC07-25

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

Naphthalene	0.324	0.00431	mg/kg dry	0.431	<0.00142	75	16-126			
Benzo(b)fluoranthene	0.296	0.00431	"	0.431	0.00216	68	14-136			
Pyrene	0.312	0.00431	"	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(k)fluoranthene	0.271	0.00431	"	0.431	<0.00142	63	18-138			
Benzo(a)pyrene	0.301	0.00431	"	0.431	<0.00142	70	16-133			
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			
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

Acenaphthene	0.272	0.00434	mg/kg dry	0.434	<0.00143	63	17-129	12	30	
1-Methylnaphthalene	0.309	0.00434	"	0.434	<0.00143	71	15-129	8	30	
Fluorene	0.271	0.00434	"	0.434	<0.00143	62	16-134	13	30	
Pyrene	0.278	0.00434	"	0.434	0.00562	63	12-139	12	30	
2-Methylnaphthalene	0.307	0.00434	"	0.434	<0.00143	71	15-132	8	30	
Indeno(1,2,3-cd)pyrene	0.261	0.00434	"	0.434	<0.00143	60	13-134	13	30	
Fluoranthene	0.271	0.00434	"	0.434	<0.00143	62	14-136	12	30	
Dibenzo(a,h)anthracene	0.255	0.00434	"	0.434	<0.00143	59	11-134	11	30	
Chrysene	0.284	0.00434	"	0.434	<0.00143	65	19-129	11	30	

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

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Wolfe USX CC07-25

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(k)fluoranthene	0.238	0.00434	mg/kg dry	0.434	<0.00143	55	18-138	13	30	
Benzo(b)fluoranthene	0.257	0.00434	"	0.434	0.00216	59	14-136	14	30	
Benzo(a)pyrene	0.268	0.00434	"	0.434	<0.00143	62	16-133	12	30	
Benzo(a)anthracene	0.282	0.00434	"	0.434	<0.00143	65	20-132	15	30	
Anthracene	0.302	0.00434	"	0.434	<0.00143	70	18-136	11	30	
Naphthalene	0.305	0.00434	"	0.434	<0.00143	70	16-126	6	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 Verysen
 Project Number: [none]
 Project: Chevron - Wolfe USX CC07-25

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: 708249001

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: 708249001

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

Chelsea Veryser
Project Number: [none]
Project: Chevron - Wolfe USX CC07-25

Notes and Definitions

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

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