



April 24, 2024

Entrada Consulting Group

Chelsea Veryter

330 Grand Ave. Unit C

Grand Junction CO 81501

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, Inc. March 27, 2024. This project is associated with Origins project number Y403737-01.

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, Inc.  
303.433.1322  
o-squad@oelabinc.com



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

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

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH01@6	Y403737-01	Soil	March 27, 2024 12:00	03/27/2024 13:10
FLR01@4	Y403737-02	Soil	March 27, 2024 12:05	03/27/2024 13:10

Origins Laboratory, Inc.



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# ORIGINS LABORATORY, INC

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

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

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

**Sample Receipt Checklist**

Origins Work Order: Y403739 Client: Entrada

Client Project ID: Wolfe USX CC07-25

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

Date/time completed: 3/27/24 Airbill #: N/A

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

Cooler Number/Temperature: 1120 °C  °C  °C (Describe)

Thermometer ID: TOU4

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"/>		<u>SO</u>
Is there ice present (document if blue ice is used)		<input checked="" type="checkbox"/>		
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact <sup>(1)?</sup>		<input checked="" type="checkbox"/>		
Was adequate sample volume provided <sup>(1)?</sup>		<input checked="" type="checkbox"/>		
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)?</sup>		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)?</sup>		<input checked="" type="checkbox"/>		
Does the COC agree with the number and type of sample bottles received <sup>(1)?</sup>		<input checked="" type="checkbox"/>		
Do the sample IDs on the bottle labels match the COC <sup>(1)?</sup>		<input checked="" type="checkbox"/>		
Is the COC properly relinquished by the client with date and time recorded <sup>(1)?</sup>		<input checked="" type="checkbox"/>		
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		<input checked="" type="checkbox"/>		
Are samples preserved that require preservation and was it checked <sup>(1)?</sup> (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)(pH < 2 for samples preserved with HNO3, HCL, H2SO4) / (pH > 10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)		<input checked="" type="checkbox"/>		
Additional Comments (if any):				

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

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 3/28/24

Origins Laboratory, Inc.

[Signature]

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 330 Grand Ave. Unit C  
 Grand Junction CO 81501

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

WH01@6  
 3/27/2024 12:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y403737-01 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.114		0.101	mg/L	1	B4C2807	03/28/2024	04/01/2024	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4C2935	03/29/2024	04/03/2024	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	112 %		50-150	"	"	"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4C2934	03/29/2024	03/31/2024	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	97.8 %		70-130	"	"	"	"	"	
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 Grand Junction CO 81501

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

WH01@6  
 3/27/2024 12:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y403737-01 (Soil)**

**GBTEX+TMBs by 8260D**

Surrogate: Toluene-d8	85.7 %		70-130			B4C29 34	03/29/2024	03/31/2024	
Surrogate: 4-Bromofluorobenzene	101 %		70-130			"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	2.91		0.499	meq/L	10	[CALC]	03/28/2024	04/02/2024	
Magnesium	1.62		0.823	"	"	"	"	"	
Sodium	1.67		0.435	"	"	"	"	"	

**PAH by EPA 8270E**

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4D0114	04/01/2024	04/08/2024	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

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WH01@6  
 3/27/2024 12:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y403737-01 (Soil)**

**PAH by EPA 8270E**

Fluorene	ND		0.020	mg/kg	1	B4D0114	04/01/2024	04/08/2024	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	102%		60-130			"	"	"	
Surrogate: Anthracene-d10	101%		60-130			"	"	"	
Surrogate: Pyrene-d10	91.3%		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	113%		60-130			"	"	"	

**pH in Soil by 9045D**

pH	8.17			pH Units	1	B4C2817	03/28/2024	03/29/2024	
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**SAR by 20B Saturated Paste**

SAR	1.11		0.0100	SAR	1	B4C2812	03/28/2024	04/02/2024	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.685		0.00500	mmhos/cm	1	B4C2817	03/28/2024	03/29/2024	
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**Table 915 metals by EPA 6020B**

Origins Laboratory, Inc.



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

WH01@6

3/27/2024 12:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y403737-01 (Soil)**

**Table 915 metals by EPA 6020B**

Arsenic	2.23		0.251	mg/kg	10	B4C2734	03/27/2024	03/29/2024	
Barium	81.2		8.67	"	"	"	"	"	
Cadmium	ND		0.0867	"	"	"	"	"	
Copper	ND		8.67	"	"	"	"	"	
Lead	5.88		0.867	"	"	"	"	"	
Nickel	5.13		0.867	"	"	"	"	"	
Selenium	ND		0.225	"	"	"	"	"	
Silver	ND		0.0867	"	"	"	"	"	
Zinc	ND		32.1	"	"	"	"	"	

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L745967	03/27/2024	04/22/2024	
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Chelsea Veryter  
 Project Number: [none]  
 Project: Chevron - Wolfe USX CC07-25

FLR01@4

3/27/2024 12:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y403737-02 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.136		0.0985	mg/L	1	B4C2807	03/28/2024	04/01/2024	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4C2935	03/29/2024	04/03/2024	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	B4C2934	03/29/2024	03/31/2024	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 97.6% 70-130 " " "

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 Grand Junction CO 81501

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

FLR01@4

3/27/2024 12:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y403737-02 (Soil)**

**GBTEX+TMBs by 8260D**

Surrogate: Toluene-d8	88.0 %		70-130			B4C29 34	03/29/2024	03/31/2024	
Surrogate: 4-Bromofluorobenzene	101 %		70-130			"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	3.56		0.499	meq/L	10	[CALC]	03/28/2024	04/02/2024	
Magnesium	1.99		0.823	"	"	"	"	"	
Sodium	2.05		0.435	"	"	"	"	"	

**PAH by EPA 8270E**

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4D0114	04/01/2024	04/08/2024	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

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 Grand Junction CO 81501

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

FLR01@4  
 3/27/2024 12:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y403737-02 (Soil)**

**PAH by EPA 8270E**

Fluorene	ND		0.020	mg/kg	1	B4D0114	04/01/2024	04/08/2024	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	102 %		60-130						
Surrogate: Anthracene-d10	103 %		60-130						
Surrogate: Pyrene-d10	87.7 %		60-130						
Surrogate: Benzo (a) pyrene-d12	104 %		60-130						

**pH in Soil by 9045D**

pH	8.19			pH Units	1	B4C2817	03/28/2024	03/29/2024	
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**SAR by 20B Saturated Paste**

SAR	1.23		0.0100	SAR	1	B4C2812	03/28/2024	04/02/2024	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.918		0.00500	mmhos/cm	1	B4C2817	03/28/2024	03/29/2024	
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**Table 915 metals by EPA 6020B**

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 330 Grand Ave. Unit C  
 Grand Junction CO 81501

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

FLR01@4  
 3/27/2024 12:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y403737-02 (Soil)**

**Table 915 metals by EPA 6020B**

Arsenic	2.52		0.265	mg/kg	10	B4C2734	03/27/2024	03/29/2024	
Barium	49.7		9.12	"	"	"	"	"	
Cadmium	ND		0.0912	"	"	"	"	"	
Copper	ND		9.12	"	"	"	"	"	
Lead	4.29		0.912	"	"	"	"	"	
Nickel	4.02		0.912	"	"	"	"	"	
Selenium	ND		0.237	"	"	"	"	"	
Silver	ND		0.0912	"	"	"	"	"	
Zinc	ND		33.8	"	"	"	"	"	

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L745967	03/27/2024	04/22/2024	
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 330 Grand Ave. Unit C  
 Grand Junction CO 81501

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

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4C2934 - EPA 5030 (soil)

Blank (B4C2934-BLK1)

Prepared: 03/29/2024 Analyzed: 03/31/2024

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		94.8	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		87.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

Origins Laboratory, Inc.

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Jordan A. Bynon For Jen Pellegrini, Project Manager



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 330 Grand Ave. Unit C  
 Grand Junction CO 81501

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

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4C2934 - EPA 5030 (soil)

LCS (B4C2934-BS1)

Prepared: 03/29/2024 Analyzed: 03/31/2024

1,2,4-Trimethylbenzene	0.0836	0.00200	mg/kg	0.100		83.6	70-130			
1,3,5-Trimethylbenzene	0.0844	0.00200	"	0.100		84.4	70-130			
Benzene	0.0982	0.00200	"	0.100		98.2	70-130			
Ethylbenzene	0.0809	0.00200	"	0.100		80.9	70-130			
Naphthalene	0.0917	0.00380	"	0.100		91.7	70-130			
Toluene	0.0876	0.00200	"	0.100		87.6	70-130			
o-Xylene	0.0807	0.00200	"	0.100		80.7	70-130			
m,p-Xylene	0.168	0.00400	"	0.200		84.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		89.3	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		86.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		89.0	70-130			

Origins Laboratory, Inc.

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Jordan A. Bynon For Jen Pellegrini, Project Manager

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 330 Grand Ave. Unit C  
 Grand Junction CO 81501

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

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4C2934 - EPA 5030 (soil)

Matrix Spike (B4C2934-MS1)

Source: Y403731-25

Prepared: 03/29/2024 Analyzed: 03/31/2024

1,2,4-Trimethylbenzene	0.0901	0.00200	mg/kg	0.100	0.000500	89.6	70-130			
1,3,5-Trimethylbenzene	0.0900	0.00200	"	0.100	ND	90.0	70-130			
Benzene	0.0906	0.00200	"	0.100	ND	90.6	70-130			
Ethylbenzene	0.0653	0.00200	"	0.100	ND	65.3	70-130			QM-07
Naphthalene	0.0472	0.00380	"	0.100	ND	47.2	70-130			QM-07
Toluene	0.0880	0.00200	"	0.100	ND	88.0	70-130			
o-Xylene	0.0649	0.00200	"	0.100	ND	64.9	70-130			QM-07
m,p-Xylene	0.136	0.00400	"	0.200	ND	68.2	70-130			QM-07
Surrogate: 1,2-Dichloroethane-d4	0.10		"	0.125		80.6	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		91.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.087		"	0.125		69.7	70-130			S-GC

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 330 Grand Ave. Unit C  
 Grand Junction CO 81501

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

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4C2934 - EPA 5030 (soil)

Matrix Spike Dup (B4C2934-MSD1)

Source: Y403731-25

Prepared: 03/29/2024 Analyzed: 03/31/2024

1,2,4-Trimethylbenzene	0.0837	0.00200	mg/kg	0.100	0.000500	83.2	70-130	7.32	20	
1,3,5-Trimethylbenzene	0.0847	0.00200	"	0.100	ND	84.7	70-130	6.07	20	
Benzene	0.0940	0.00200	"	0.100	ND	94.0	70-130	3.68	20	
Ethylbenzene	0.0816	0.00200	"	0.100	ND	81.6	70-130	22.2	20	QR-02
Naphthalene	0.0765	0.00380	"	0.100	ND	76.5	70-130	47.4	20	QR-02
Toluene	0.0867	0.00200	"	0.100	ND	86.7	70-130	1.51	20	
o-Xylene	0.0817	0.00200	"	0.100	ND	81.7	70-130	22.9	20	QR-02
m,p-Xylene	0.170	0.00400	"	0.200	ND	84.9	70-130	21.8	20	QR-02
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		89.8	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		87.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		89.1	70-130			

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Jordan A. Bynon For Jen Pellegrini, Project Manager



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

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

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4C2935 - EPA 3550B

Blank (B4C2935-BLK1)

Prepared: 03/29/2024 Analyzed: 04/03/2024

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	28		"	24.9		112	50-150			

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

**Extractable Petroleum Hydrocarbons by 8015D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B4C2935 - EPA 3550B**

**LCS (B4C2935-BS1)**

Prepared: 03/29/2024 Analyzed: 04/03/2024

Diesel (C10-C28)	958	50.0	mg/kg	1000		95.8	70-130			
Residual Range Organics (C28-C40)	1030	200	"	1000		103	70-130			
Surrogate: o-Terphenyl	59		"	49.8		119	50-150			

Origins Laboratory, Inc.

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Jordan A. Bynon For Jen Pellegrini, Project Manager



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

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

**Extractable Petroleum Hydrocarbons by 8015D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4C2935 - EPA 3550B

Matrix Spike (B4C2935-MS1)

Source: Y403737-01

Prepared: 03/29/2024 Analyzed: 04/03/2024

Diesel (C10-C28)	921	50.0	mg/kg	1000	ND	92.1	70-130			
Residual Range Organics (C28-C40)	1020	200	"	1000	ND	102	70-130			
Surrogate: o-Terphenyl	57		"	49.8		114	50-150			

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 Grand Junction CO 81501

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

**Extractable Petroleum Hydrocarbons by 8015D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4C2935 - EPA 3550B

Matrix Spike Dup (B4C2935-MSD1)

Source: Y403737-01

Prepared: 03/29/2024 Analyzed: 04/03/2024

Diesel (C10-C28)	847	50.0	mg/kg	1000	ND	84.7	70-130	8.31	35	
Residual Range Organics (C28-C40)	921	200	"	1000	ND	92.1	70-130	10.6	35	
Surrogate: o-Terphenyl	52		"	49.8		104	50-150			

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Jordan A. Bynon For Jen Pellegrini, Project Manager

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

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

**Extractable Petroleum Hydrocarbons by 8015D - Quality Control**  
**Origins Laboratory, Inc.**

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, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B4C2734 - EPA 3050B**

**Blank (B4C2734-BLK1)**

Prepared: 03/27/2024 Analyzed: 03/29/2024

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 (B4C2734-BS1)**

Prepared: 03/27/2024 Analyzed: 03/29/2024

Arsenic	4.84	0.290	mg/kg	5.00		96.7	80-120			
Barium	517	10.0	"	500		103	80-120			
Cadmium	4.89	0.100	"	5.00		97.9	80-120			
Copper	45.5	10.0	"	50.0		90.9	80-120			
Lead	4.86	1.00	"	5.00		97.3	80-120			
Nickel	4.50	1.00	"	5.00		90.1	80-120			
Selenium	9.54	0.260	"	9.50		100	80-120			
Silver	4.81	0.100	"	5.00		96.3	80-120			
Zinc	45.4	37.0	"	50.0		90.8	80-120			

**Matrix Spike (B4C2734-MS1)**

Source: Y403737-01

Prepared: 03/27/2024 Analyzed: 03/29/2024

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

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

**Metals by EPA 6000/7000 Series Methods - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B4C2734 - EPA 3050B**

**Matrix Spike (B4C2734-MS1)**

**Source: Y403737-01**

Prepared: 03/27/2024 Analyzed: 03/29/2024

Arsenic	6.09	0.281	mg/kg	4.84	2.23	79.7	75-125			
Barium	581	9.68	"	484	81.2	103	75-125			
Cadmium	4.94	0.0968	"	4.84	0.0659	101	75-125			
Copper	51.4	9.68	"	48.4	5.63	94.5	75-125			
Lead	9.36	0.968	"	4.84	5.88	71.9	75-125			QM-07
Nickel	8.11	0.968	"	4.84	5.13	61.6	75-125			QM-07
Selenium	9.36	0.252	"	9.20	ND	102	75-125			
Silver	4.60	0.0968	"	4.84	ND	95.0	75-125			
Zinc	58.2	35.8	"	48.4	16.4	86.3	75-125			

**Matrix Spike Dup (B4C2734-MSD1)**

**Source: Y403737-01**

Prepared: 03/27/2024 Analyzed: 03/29/2024

Arsenic	6.54	0.249	mg/kg	4.29	2.23	100	75-125	7.13	20	
Barium	540	8.59	"	429	81.2	107	75-125	7.30	20	
Cadmium	4.61	0.0859	"	4.29	0.0659	106	75-125	7.02	20	
Copper	48.6	8.59	"	42.9	5.63	100	75-125	5.59	20	
Lead	9.74	0.859	"	4.29	5.88	90.0	75-125	3.99	20	
Nickel	8.27	0.859	"	4.29	5.13	73.3	75-125	2.00	20	QM-07
Selenium	9.31	0.223	"	8.16	ND	114	75-125	0.566	20	
Silver	4.34	0.0859	"	4.29	ND	101	75-125	5.79	20	
Zinc	59.3	31.8	"	42.9	16.4	99.8	75-125	1.76	20	

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 330 Grand Ave. Unit C  
 Grand Junction CO 81501

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

**EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B4D0114 - EPA 3580**

**Blank (B4D0114-BLK1)**

Prepared: 04/01/2024 Analyzed: 04/07/2024

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		99.2	60-130			
Surrogate: Anthracene-d10	200		"	200		101	60-130			
Surrogate: Pyrene-d10	200		"	200		97.7	60-130			
Surrogate: Benzo (a) pyrene-d12	220		"	200		109	60-130			

**LCS (B4D0114-BS1)**

Prepared: 04/01/2024 Analyzed: 04/07/2024

1-Methylnaphthalene	0.206	0.002	mg/kg	0.200		103	70-130			
2-Methylnaphthalene	0.210	0.002	"	0.200		105	70-130			
Acenaphthene	0.174	0.020	"	0.200		86.9	70-130			
Anthracene	0.169	0.020	"	0.200		84.4	70-130			

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

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

**EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B4D0114 - EPA 3580**

**LCS (B4D0114-BS1)**

Prepared: 04/01/2024 Analyzed: 04/07/2024

Benzo (a) anthracene	0.185	0.005	mg/kg	0.200		92.6	70-130			
Benzo (a) pyrene	0.194	0.020	"	0.200		96.8	70-130			
Benzo (b) fluoranthene	0.218	0.020	"	0.200		109	70-130			
Benzo (g,h,i) perylene	0.241	0.020	"	0.200		120	70-130			
Benzo (k) fluoranthene	0.192	0.020	"	0.200		96.2	70-130			
Chrysene	0.191	0.020	"	0.200		95.7	70-130			
Dibenz (a,h) anthracene	0.241	0.020	"	0.200		121	70-130			
Fluoranthene	0.183	0.020	"	0.200		91.4	70-130			
Fluorene	0.170	0.020	"	0.200		85.0	70-130			
Indeno (1,2,3-cd) pyrene	0.238	0.020	"	0.200		119	70-130			
Naphthalene	0.189	0.002	"	0.200		94.5	70-130			
Phenanthrene	0.189	0.020	"	0.200		94.4	70-130			
Pyrene	0.185	0.020	"	0.200		92.7	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	200		"	200		101	60-130			
Surrogate: Pyrene-d10	200		"	200		98.8	60-130			
Surrogate: Benzo (a) pyrene-d12	220		"	200		108	60-130			

**Matrix Spike (B4D0114-MS1)**

**Source: Y403663-29**

Prepared: 04/01/2024 Analyzed: 04/07/2024

1-Methylnaphthalene	0.203	0.002	mg/kg	0.200	0.001	101	70-130			
2-Methylnaphthalene	0.205	0.002	"	0.200	0.001	102	70-130			
Acenaphthene	0.175	0.020	"	0.200	0.0008	87.0	70-130			
Anthracene	0.176	0.020	"	0.200	0.0005	87.8	70-130			
Benzo (a) anthracene	0.181	0.005	"	0.200	0.002	89.7	70-130			
Benzo (a) pyrene	0.198	0.020	"	0.200	0.003	97.8	70-130			
Benzo (b) fluoranthene	0.215	0.020	"	0.200	0.004	105	70-130			
Benzo (g,h,i) perylene	0.243	0.020	"	0.200	0.005	119	70-130			

Origins Laboratory, Inc.



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

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

**EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B4D0114 - EPA 3580**

**Matrix Spike (B4D0114-MS1)**

**Source: Y403663-29**

Prepared: 04/01/2024 Analyzed: 04/07/2024

Benzo (k) fluoranthene	0.186	0.020	mg/kg	0.200	0.004	91.0	70-130			
Chrysene	0.189	0.020	"	0.200	0.003	93.2	70-130			
Dibenz (a,h) anthracene	0.241	0.020	"	0.200	0.010	116	70-130			
Fluoranthene	0.184	0.020	"	0.200	0.002	90.8	70-130			
Fluorene	0.173	0.020	"	0.200	0.001	85.9	70-130			
Indeno (1,2,3-cd) pyrene	0.240	0.020	"	0.200	0.007	117	70-130			
Naphthalene	0.186	0.002	"	0.200	ND	92.9	70-130			
Phenanthrene	0.191	0.020	"	0.200	0.001	94.9	70-130			
Pyrene	0.192	0.020	"	0.200	0.002	94.9	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		102	60-130			
Surrogate: Anthracene-d10	200		"	200		97.8	60-130			
Surrogate: Pyrene-d10	200		"	200		99.0	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		107	60-130			

**Matrix Spike Dup (B4D0114-MSD1)**

**Source: Y403663-29**

Prepared: 04/01/2024 Analyzed: 04/07/2024

1-Methylnaphthalene	0.205	0.002	mg/kg	0.200	0.001	102	70-130	0.867	20	
2-Methylnaphthalene	0.207	0.002	"	0.200	0.001	103	70-130	0.849	20	
Acenaphthene	0.177	0.020	"	0.200	0.0008	88.1	70-130	1.26	20	
Anthracene	0.169	0.020	"	0.200	0.0005	84.5	70-130	3.89	20	
Benzo (a) anthracene	0.187	0.005	"	0.200	0.002	92.7	70-130	3.25	20	
Benzo (a) pyrene	0.206	0.020	"	0.200	0.003	102	70-130	4.00	20	
Benzo (b) fluoranthene	0.243	0.020	"	0.200	0.004	120	70-130	12.3	20	
Benzo (g,h,i) perylene	0.241	0.020	"	0.200	0.005	118	70-130	0.932	20	
Benzo (k) fluoranthene	0.208	0.020	"	0.200	0.004	102	70-130	11.4	20	
Chrysene	0.190	0.020	"	0.200	0.003	93.2	70-130	0.0261	20	
Dibenz (a,h) anthracene	0.231	0.020	"	0.200	0.010	111	70-130	4.16	20	
Fluoranthene	0.181	0.020	"	0.200	0.002	89.3	70-130	1.56	20	

Origins Laboratory, Inc.



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

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

**EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4D0114 - EPA 3580

Matrix Spike Dup (B4D0114-MSD1)

Source: Y403663-29

Prepared: 04/01/2024 Analyzed: 04/07/2024

Fluorene	0.172	0.020	mg/kg	0.200	0.001	85.3	70-130	0.686	20	
Indeno (1,2,3-cd) pyrene	0.240	0.020	"	0.200	0.007	117	70-130	0.163	20	
Naphthalene	0.189	0.002	"	0.200	ND	94.3	70-130	1.55	20	
Phenanthrene	0.190	0.020	"	0.200	0.001	94.3	70-130	0.660	20	
Pyrene	0.184	0.020	"	0.200	0.002	90.9	70-130	4.31	20	
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	200		"	200		97.6	60-130			
Surrogate: Pyrene-d10	190		"	200		94.5	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		106	60-130			

Origins Laboratory, Inc.

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Jordan A. Bynon For Jen Pellegrini, Project Manager

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

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

## Classical Chemistry Parameters - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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### Batch B4C2807 - DTPA Sorbitol Preparation

#### Blank (B4C2807-BLK1)

Prepared: 03/28/2024 Analyzed: 04/01/2024

Boron ND 0.100 mg/L

#### Duplicate (B4C2807-DUP1)

Source: Y403737-01

Prepared: 03/28/2024 Analyzed: 04/01/2024

Boron 0.0923 0.0986 mg/L 0.114 21.0 50

### Batch B4C2812 - Saturated Paste Metals

#### Blank (B4C2812-BLK1)

Prepared: 03/28/2024 Analyzed: 04/02/2024

SAR ND 0.0100 SAR

Calcium PPM ND 10.0 mg/L

Magnesium PPM ND 10.0 "

Sodium PPM ND 10.0 "

#### Duplicate (B4C2812-DUP1)

Source: Y403737-01

Prepared: 03/28/2024 Analyzed: 04/02/2024

Calcium PPM 59.7 10.0 mg/L 58.4 2.22 50

SAR ND 0.0100 SAR 1.11 200

Magnesium PPM 19.9 10.0 mg/L 19.7 0.758 50

Sodium PPM 38.9 10.0 " 38.3 1.53 50

Origins Laboratory, Inc.



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

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

**Saturated Paste - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B4C2817 - Saturated Paste pH/EC**

**Blank (B4C2817-BLK1)**

Prepared: 03/28/2024 Analyzed: 03/29/2024

Specific Conductance (EC) ND 0.00500 mmhos/cm

**Duplicate (B4C2817-DUP1)**

**Source: Y403737-01**

Prepared: 03/28/2024 Analyzed: 03/29/2024

pH 8.17 pH Units 8.17 0.00 25

Specific Conductance (EC) 0.703 0.00500 mmhos/cm 0.685 2.56 25

Origins Laboratory, Inc.

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Jordan A. Bynon For Jen Pellegrini, Project Manager



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

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

**Total Metals by 7196A - Quality Control**  
**Waypoint Analytical, LLC.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L745967 -

**DUP (L 81400-DUP)**

Source: 81400

Prepared: Analyzed: 04/22/2024

Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500	-	0	20		
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**MS (L 81400-MS)**

Source: 81400

Prepared: Analyzed: 04/22/2024

Chromium, Hexavalent	29.1	2.5	mg/Kg	39.9	< 0.244	73	75-125			*
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**LCS (LCS)**

Prepared: Analyzed: 04/22/2024

Chromium, Hexavalent	6.87	0.5	mg/Kg	8		86	75-125			
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**LRB (LRB)**

Prepared: Analyzed: 04/22/2024

Chromium, Hexavalent	ND	0.5	mg/Kg			-				
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Entrada Consulting Group  
330 Grand Ave. Unit C  
Grand Junction CO 81501

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

## Notes and Definitions

- U Sample is Non-Detect.
  - S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
  - QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
  - QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
  - \* QC Failure
  - ND Analyte NOT DETECTED at or above the reporting limit
  - RPD Relative Percent Difference
- All soil results are reported on a wet weight basis.  
Calculated results may use J-flag data (instead of reported "ND") as part of calculation to provide a more accurate result.

Origins Laboratory, Inc.



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