



June 27, 2024

Entrada Consulting Group

Chelsea Veryser

330 Grand Ave. Unit C

Grand Junction CO 81501

Project Name - Chevron - Chenoweth 01

Project Number - [none]

Attached are your analytical results for Chevron - Chenoweth 01 received by Origins Laboratory, Inc. June 12, 2024. This project is associated with Origins project number Y406380-01.

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 Veryser  
Project Number: [none]  
Project: Chevron - Chenoweth 01

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH01@6	Y406380-01	Soil	June 12, 2024 9:00	06/12/2024 17:10
FLR01@4	Y406380-02	Soil	June 12, 2024 9:05	06/12/2024 17:10

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

Chelsea Varyser  
 Project Number: [none]  
 Project: Chevron - Chenoweth 01

1725 Elk Place | Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Sample ID/Description	Date Sampled	Time Sampled	# of Containers	Preservative					Analysis	Sample Instructions		
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater			Soil	Air Sampling Container #
W11-06	6/12/24	0100	2	X						X	Table 915	
W11-N 04		0905	1							X		NO <sub>2</sub>
W11-E 04		0915	1							X		NO <sub>2</sub>
W11-S 04		0920	1							X		NO <sub>2</sub>

Temp Received: 20.1°C  
 Date Result Needed

Relinquished By: *[Signature]* Date: 6/12/24  
 Received By: *[Signature]* Date: 06/12/24  
 Time: 5:00  
 Time: 17:10  
 Time: 16:00

Telephone Number: 303.311-8713  
 Email Address: Entrada Distribution  
 Project Number: I am blank  
 Samples Collected By: Ian Clark

Client: Entrada  
 Address: *[Redacted]*  
 Project Name: Chenoweth 01  
 Project Manager: Chelsea Varyser  
 Project Number: Y406380  
 Bill to: Chevron Smith

ORIGINS LABORATORY, INC  
 www.originslab.com  
 page 1 of 1

Origins Laboratory, Inc.  
*[Signature]*

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# ORIGINS LABORATORY, INC

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

Chelsea Verysen  
Project Number: [none]  
Project: Chevron - Chenoweth 01

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

Origins Work Order: NA06380 Client: Entrada  
Client Project ID: Chenoweth 01  
Checklist Completed by: [Signature] Shipped Via: HO  
Date/time completed: 6/13/24 Airbill #: N/A  
Matrix(s) Received: (Check all that apply):  Soil/Solid  Water  Other: \_\_\_\_\_  
Cooler Number/Temperature: 1 20.1 °C / \_\_\_\_\_ °C (Describe) \_\_\_\_\_ °C  
Thermometer ID: D05

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 (> 1/4 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: 6/14/24

Origins Laboratory, Inc.

[Signature]

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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 Veryser  
 Project Number: [none]  
 Project: Chevron - Chenoweth 01

WH01@6  
 6/12/2024 9:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y406380-01 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	ND		0.0989	mg/L	1	B4F1411	06/14/2024	06/17/2024	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4F1407	06/14/2024	06/19/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	80.7 %		50-150	"	"	"	"	"	"
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4F1331	06/13/2024	06/14/2024	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	96.4 %		70-130	"	"	"	"	"	"
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Origins Laboratory, Inc.



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 Grand Junction CO 81501

Chelsea Verysen  
 Project Number: [none]  
 Project: Chevron - Chenoweth 01

WH01@6  
 6/12/2024 9:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y406380-01 (Soil)**

**GBTEX+TMBs by 8260D**

Surrogate: Toluene-d8	96.5 %		70-130			B4F13 31	06/13/2024	06/14/2024	
Surrogate: 4-Bromofluorobenzene	104 %		70-130			"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	0.852		0.499	meq/L	10	[CALC]	06/14/2024	06/18/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

**PAH by EPA 8270E**

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4F1335	06/13/2024	06/19/2024	Ua
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Anthracene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Chrysene	ND		0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	Ua
Fluoranthene	ND		0.020	"	"	"	"	"	Ua

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Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Chenoweth 01

WH01@6  
 6/12/2024 9:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y406380-01 (Soil)**

**PAH by EPA 8270E**

Fluorene	ND		0.020	mg/kg	1	B4F1335	06/13/2024	06/19/2024	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	102 %		60-130						
Surrogate: Anthracene-d10	92.7 %		60-130						
Surrogate: Pyrene-d10	89.7 %		60-130						
Surrogate: Benzo (a) pyrene-d12	102 %		60-130						

**pH in Soil by 9045D**

pH	8.30			pH Units	1	B4F1420	06/14/2024	06/18/2024	
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**SAR by 20B Saturated Paste**

SAR	0.191		0.0100	SAR	1	B4F1416	06/14/2024	06/18/2024	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.234		0.00500	mmhos/cm	1	B4F1420	06/14/2024	06/18/2024	
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**Table 915 metals by EPA 6020B**

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Chelsea Verysen  
 Project Number: [none]  
 Project: Chevron - Chenoweth 01

WH01@6  
 6/12/2024 9:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y406380-01 (Soil)**

**Table 915 metals by EPA 6020B**

Arsenic	2.41		0.267	mg/kg	10	B4F1325	06/13/2024	06/17/2024	
Barium	62.6		9.20	"	"	"	"	"	
Cadmium	0.160		0.0920	"	"	"	"	"	
Copper	ND		9.20	"	"	"	"	"	
Lead	63.0		0.920	"	"	"	"	"	
Nickel	5.70		0.920	"	"	"	"	"	
Selenium	ND		0.239	"	"	"	"	"	
Silver	ND		0.0920	"	"	"	"	"	
Zinc	115		34.0	"	"	"	"	"	

**Total Metals 7196A**

Hexavalent Chromium	ND	0.149	0.372	mg/kg dry	1	2631204	06/25/2024	06/25/2024	U
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 Grand Junction CO 81501

Chelsea Verysen  
 Project Number: [none]  
 Project: Chevron - Chenoweth 01

FLR01@4


6/12/2024 9:05:00AM

**Origins Laboratory, Inc.**  
**Y406380-02 (Soil)**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>Boron (DTPA Sorbitol)</b>									
Boron	ND		0.100	mg/L	1	B4F1411	06/14/2024	06/17/2024	
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B4F1407	06/14/2024	06/19/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: <i>o</i> -Terphenyl	85.4 %		50-150	"	"	"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4F1331	06/13/2024	06/14/2024	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 96.2 % 70-130

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 Grand Junction CO 81501

Chelsea Verysen  
 Project Number: [none]  
 Project: Chevron - Chenoweth 01

FLR01@4

6/12/2024 9:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y406380-02 (Soil)**

**GBTEX+TMBs by 8260D**

Surrogate: Toluene-d8	95.6 %		70-130			B4F13 31	06/13/2024	06/14/2024	
Surrogate: 4-Bromofluorobenzene	103 %		70-130			"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	0.590		0.499	meq/L	10	[CALC]	06/14/2024	06/18/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

**PAH by EPA 8270E**

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4F1335	06/13/2024	06/19/2024	Ua
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Anthracene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Chrysene	ND		0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	Ua
Fluoranthene	ND		0.020	"	"	"	"	"	Ua

Origins Laboratory, Inc.



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

Chelsea Verysen  
 Project Number: [none]  
 Project: Chevron - Chenoweth 01

FLR01@4

6/12/2024 9:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y406380-02 (Soil)**

**PAH by EPA 8270E**

Fluorene	ND		0.020	mg/kg	1	B4F1335	06/13/2024	06/19/2024	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	105%		60-130						
Surrogate: Anthracene-d10	88.6%		60-130						
Surrogate: Pyrene-d10	83.8%		60-130						
Surrogate: Benzo (a) pyrene-d12	103%		60-130						

**pH in Soil by 9045D**

pH	8.36			pH Units	1	B4F1420	06/14/2024	06/18/2024	
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**SAR by 20B Saturated Paste**

SAR	0.375		0.0100	SAR	1	B4F1416	06/14/2024	06/18/2024	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.235		0.00500	mmhos/cm	1	B4F1420	06/14/2024	06/18/2024	
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**Table 915 metals by EPA 6020B**

Origins Laboratory, Inc.



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

Chelsea Verysen  
 Project Number: [none]  
 Project: Chevron - Chenoweth 01

FLR01@4

6/12/2024 9:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y406380-02 (Soil)**

**Table 915 metals by EPA 6020B**

Arsenic	2.09		0.254	mg/kg	10	B4F1325	06/13/2024	06/17/2024	
Barium	40.8		8.75	"	"	"	"	"	
Cadmium	ND		0.0875	"	"	"	"	"	
Copper	ND		8.75	"	"	"	"	"	
Lead	7.39		0.875	"	"	"	"	"	
Nickel	4.24		0.875	"	"	"	"	"	
Selenium	ND		0.228	"	"	"	"	"	
Silver	ND		0.0875	"	"	"	"	"	
Zinc	41.2		32.4	"	"	"	"	"	

**Total Metals 7196A**

Hexavalent Chromium	ND	0.123	0.306	mg/kg dry	1	2631204	06/25/2024	06/25/2024	U
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Entrada Consulting Group  
 330 Grand Ave. Unit C  
 Grand Junction CO 81501

Chelsea Verysen  
 Project Number: [none]  
 Project: Chevron - Chenoweth 01

**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 B4F1331 - EPA 5030 (soil)

Prepared: 06/13/2024 Analyzed: 06/14/2024

**Blank (B4F1331-BLK1)**

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
Naphthalene	ND	0.00380	"							Ua
Toluene	ND	0.00200	"							Ua
Xylenes, total	ND	0.00200	"							Ua
Gasoline Range Hydrocarbons	ND	0.200	"							Ua
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		91.1	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

Origins Laboratory, Inc.

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

Chelsea Verysen  
 Project Number: [none]  
 Project: Chevron - Chenoweth 01

**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 B4F1331 - EPA 5030 (soil)

LCS (B4F1331-BS1)

Prepared: 06/13/2024 Analyzed: 06/14/2024

1,2,4-Trimethylbenzene	0.106	0.00200	mg/kg	0.100		106	70-130			
1,3,5-Trimethylbenzene	0.105	0.00200	"	0.100		105	70-130			
Benzene	0.106	0.00200	"	0.100		106	70-130			
Ethylbenzene	0.0941	0.00200	"	0.100		94.1	70-130			
Naphthalene	0.0986	0.00380	"	0.100		98.6	70-130			
Toluene	0.0999	0.00200	"	0.100		99.9	70-130			
o-Xylene	0.102	0.00200	"	0.100		102	70-130			
m,p-Xylene	0.200	0.00400	"	0.200		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		93.1	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		95.5	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 Veryser  
 Project Number: [none]  
 Project: Chevron - Chenoweth 01

**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 B4F1331 - EPA 5030 (soil)

Matrix Spike (B4F1331-MS1)

Source: Y406369-01

Prepared: 06/13/2024 Analyzed: 06/14/2024

1,2,4-Trimethylbenzene	0.0934	0.00200	mg/kg	0.100	ND	93.4	70-130			
1,3,5-Trimethylbenzene	0.0917	0.00200	"	0.100	ND	91.7	70-130			
Benzene	0.0973	0.00200	"	0.100	ND	97.3	70-130			
Ethylbenzene	0.0839	0.00200	"	0.100	ND	83.9	70-130			
Naphthalene	0.0839	0.00380	"	0.100	0.00138	82.5	70-130			
Toluene	0.0904	0.00200	"	0.100	ND	90.4	70-130			
o-Xylene	0.0912	0.00200	"	0.100	ND	91.2	70-130			
m,p-Xylene	0.179	0.00400	"	0.200	ND	89.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		95.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.4	70-130			

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 Grand Junction CO 81501

Chelsea Verysen  
 Project Number: [none]  
 Project: Chevron - Chenoweth 01

**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 B4F1331 - EPA 5030 (soil)

Matrix Spike Dup (B4F1331-MSD1)

Source: Y406369-01

Prepared: 06/13/2024 Analyzed: 06/14/2024

1,2,4-Trimethylbenzene	0.0824	0.00200	mg/kg	0.100	ND	82.4	70-130	12.5	20	
1,3,5-Trimethylbenzene	0.0802	0.00200	"	0.100	ND	80.2	70-130	13.4	20	
Benzene	0.0957	0.00200	"	0.100	ND	95.7	70-130	1.62	20	
Ethylbenzene	0.0783	0.00200	"	0.100	ND	78.3	70-130	6.93	20	
Naphthalene	0.0794	0.00380	"	0.100	0.00138	78.0	70-130	5.46	20	
Toluene	0.0864	0.00200	"	0.100	ND	86.4	70-130	4.57	20	
o-Xylene	0.0856	0.00200	"	0.100	ND	85.6	70-130	6.24	20	
m,p-Xylene	0.167	0.00400	"	0.200	ND	83.4	70-130	7.26	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		97.8	70-130			

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Chelsea Verysen  
 Project Number: [none]  
 Project: Chevron - Chenoweth 01

**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 B4F1407 - EPA 3550B

Blank (B4F1407-BLK1)

Prepared: 06/14/2024 Analyzed: 06/19/2024

Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	20		"	24.9		80.8	50-150			

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Chelsea Verysen  
 Project Number: [none]  
 Project: Chevron - Chenoweth 01

**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 B4F1407 - EPA 3550B

LCS (B4F1407-BS1)

Prepared: 06/14/2024 Analyzed: 06/19/2024

Diesel (C10-C28)	952	50.0	mg/kg	1000		95.2	70-130			
Residual Range Organics (C28-C40)	967	200	"	1000		96.7	70-130			
Surrogate: o-Terphenyl	43		"	49.8		86.5	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 Verysen  
 Project Number: [none]  
 Project: Chevron - Chenoweth 01

**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 B4F1407 - EPA 3550B

Matrix Spike (B4F1407-MS1)

Source: Y406373-01

Prepared: 06/14/2024 Analyzed: 06/19/2024

Diesel (C10-C28)	897	50.0	mg/kg	1000	ND	89.7	70-130			
Residual Range Organics (C28-C40)	919	200	"	1000	ND	91.9	70-130			
Surrogate: o-Terphenyl	46		"	49.8		93.4	50-150			

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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 Verysen  
 Project Number: [none]  
 Project: Chevron - Chenoweth 01

**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 B4F1407 - EPA 3550B

Matrix Spike Dup (B4F1407-MSD1)

Source: Y406373-01

Prepared: 06/14/2024 Analyzed: 06/19/2024

Diesel (C10-C28)	1000	50.0	mg/kg	1000	ND	100	70-130	11.1	35	
Residual Range Organics (C28-C40)	1010	200	"	1000	ND	101	70-130	9.28	35	
Surrogate: o-Terphenyl	43		"	49.8		86.1	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 Veryser  
 Project Number: [none]  
 Project: Chevron - Chenoweth 01

**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 B4F1325 - EPA 3050B**

**Blank (B4F1325-BLK1)**

Prepared: 06/13/2024 Analyzed: 06/17/2024

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 (B4F1325-BS1)**

Prepared: 06/13/2024 Analyzed: 06/18/2024

Arsenic	4.91	0.290	mg/kg	5.00		98.1	80-120			
Barium	511	10.0	"	500		102	80-120			
Cadmium	5.10	0.100	"	5.00		102	80-120			
Copper	49.0	10.0	"	50.0		98.0	80-120			
Lead	5.24	1.00	"	5.00		105	80-120			
Nickel	4.95	1.00	"	5.00		99.0	80-120			
Selenium	8.95	0.260	"	9.50		94.2	80-120			
Silver	5.11	0.100	"	5.00		102	80-120			
Zinc	52.3	37.0	"	50.0		105	80-120			

**Matrix Spike (B4F1325-MS1)**

Source: Y406374-01

Prepared: 06/13/2024 Analyzed: 06/17/2024

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Chelsea Verysen  
 Project Number: [none]  
 Project: Chevron - Chenoweth 01

**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 B4F1325 - EPA 3050B**

**Matrix Spike (B4F1325-MS1)**

**Source: Y406374-01**

Prepared: 06/13/2024 Analyzed: 06/17/2024

Arsenic	7.27	0.245	mg/kg	4.22	2.68	109	75-125			
Barium	562	8.44	"	422	74.0	116	75-125			
Cadmium	4.84	0.0844	"	4.22	0.119	112	75-125			
Copper	56.6	8.44	"	42.2	7.69	116	75-125			
Lead	14.9	0.844	"	4.22	8.91	142	75-125			QM-07
Nickel	12.0	0.844	"	4.22	7.19	113	75-125			
Selenium	9.41	0.219	"	8.01	0.206	115	75-125			
Silver	4.96	0.0844	"	4.22	0.0271	117	75-125			
Zinc	78.5	31.2	"	42.2	30.5	114	75-125			

**Matrix Spike Dup (B4F1325-MSD1)**

**Source: Y406374-01**

Prepared: 06/13/2024 Analyzed: 06/17/2024

Arsenic	7.71	0.270	mg/kg	4.66	2.68	108	75-125	5.94	20	
Barium	630	9.31	"	466	74.0	119	75-125	11.3	20	
Cadmium	5.45	0.0931	"	4.66	0.119	114	75-125	11.8	20	
Copper	60.6	9.31	"	46.6	7.69	114	75-125	6.69	20	
Lead	13.2	0.931	"	4.66	8.91	92.7	75-125	12.0	20	
Nickel	12.3	0.931	"	4.66	7.19	109	75-125	2.54	20	
Selenium	9.82	0.242	"	8.85	0.206	109	75-125	4.27	20	
Silver	5.46	0.0931	"	4.66	0.0271	117	75-125	9.69	20	
Zinc	81.6	34.5	"	46.6	30.5	110	75-125	3.94	20	

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 330 Grand Ave. Unit C  
 Grand Junction CO 81501

Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Chenoweth 01

**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 B4F1335 - EPA 3580**

**Blank (B4F1335-BLK1)**

Prepared: 06/13/2024 Analyzed: 06/19/2024

1-Methylnaphthalene	ND	0.002	mg/kg							Ua
2-Methylnaphthalene	ND	0.002	"							Ua
Acenaphthene	ND	0.020	"							Ua
Anthracene	ND	0.020	"							Ua
Benzo (a) anthracene	ND	0.005	"							Ua
Benzo (a) pyrene	ND	0.020	"							Ua
Benzo (b) fluoranthene	ND	0.020	"							Ua
Benzo (g,h,i) perylene	ND	0.020	"							Ua
Benzo (k) fluoranthene	ND	0.020	"							Ua
Chrysene	ND	0.020	"							Ua
Dibenz (a,h) anthracene	ND	0.020	"							Ua
Fluoranthene	ND	0.020	"							Ua
Fluorene	ND	0.020	"							Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"							Ua
Naphthalene	ND	0.002	"							Ua
Phenanthrene	ND	0.020	"							Ua
Pyrene	ND	0.020	"							Ua
Surrogate: Fluorene-d10	210		ug/kg	200		107	60-130			
Surrogate: Anthracene-d10	190		"	200		95.4	60-130			
Surrogate: Pyrene-d10	180		"	200		90.0	60-130			
Surrogate: Benzo (a) pyrene-d12	230		"	200		114	60-130			

**LCS (B4F1335-BS1)**

Prepared: 06/13/2024 Analyzed: 06/19/2024

1-Methylnaphthalene	0.190	0.002	mg/kg	0.200		95.1	70-130			
2-Methylnaphthalene	0.192	0.002	"	0.200		96.1	70-130			
Acenaphthene	0.197	0.020	"	0.200		98.6	70-130			
Anthracene	0.216	0.020	"	0.200		108	70-130			

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Entrada Consulting Group  
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 Grand Junction CO 81501

Chelsea Verysen  
 Project Number: [none]  
 Project: Chevron - Chenoweth 01

**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 B4F1335 - EPA 3580**

**LCS (B4F1335-BS1)**

Prepared: 06/13/2024 Analyzed: 06/19/2024

Benzo (a) anthracene	0.195	0.005	mg/kg	0.200		97.6	70-130			
Benzo (a) pyrene	0.181	0.020	"	0.200		90.7	70-130			
Benzo (b) fluoranthene	0.204	0.020	"	0.200		102	70-130			
Benzo (g,h,i) perylene	0.223	0.020	"	0.200		111	70-130			
Benzo (k) fluoranthene	0.203	0.020	"	0.200		102	70-130			
Chrysene	0.193	0.020	"	0.200		96.5	70-130			
Dibenz (a,h) anthracene	0.229	0.020	"	0.200		114	70-130			
Fluoranthene	0.176	0.020	"	0.200		88.2	70-130			
Fluorene	0.187	0.020	"	0.200		93.3	70-130			
Indeno (1,2,3-cd) pyrene	0.230	0.020	"	0.200		115	70-130			
Naphthalene	0.191	0.002	"	0.200		95.5	70-130			
Phenanthrene	0.201	0.020	"	0.200		101	70-130			
Pyrene	0.174	0.020	"	0.200		86.8	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		99.7	60-130			
Surrogate: Anthracene-d10	190		"	200		93.6	60-130			
Surrogate: Pyrene-d10	170		"	200		84.9	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		107	60-130			

**Matrix Spike (B4F1335-MS1)**

Source: Y406339-01

Prepared: 06/13/2024 Analyzed: 06/19/2024

1-Methylnaphthalene	0.202	0.002	mg/kg	0.200	0.001	101	70-130			
2-Methylnaphthalene	0.208	0.002	"	0.200	0.0009	104	70-130			
Acenaphthene	0.196	0.020	"	0.200	ND	98.0	70-130			
Anthracene	0.188	0.020	"	0.200	0.0008	93.4	70-130			
Benzo (a) anthracene	0.201	0.005	"	0.200	0.001	99.8	70-130			
Benzo (a) pyrene	0.204	0.020	"	0.200	0.004	100	70-130			
Benzo (b) fluoranthene	0.202	0.020	"	0.200	0.001	100	70-130			
Benzo (g,h,i) perylene	0.229	0.020	"	0.200	ND	114	70-130			

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 Grand Junction CO 81501

Chelsea Verysen  
 Project Number: [none]  
 Project: Chevron - Chenoweth 01

**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 B4F1335 - EPA 3580**

**Matrix Spike (B4F1335-MS1)**

Source: Y406339-01

Prepared: 06/13/2024 Analyzed: 06/19/2024

Benzo (k) fluoranthene	0.195	0.020	mg/kg	0.200	ND	97.6	70-130			
Chrysene	0.210	0.020	"	0.200	0.001	104	70-130			
Dibenz (a,h) anthracene	0.236	0.020	"	0.200	0.001	117	70-130			
Fluoranthene	0.213	0.020	"	0.200	ND	107	70-130			
Fluorene	0.193	0.020	"	0.200	ND	96.7	70-130			
Indeno (1,2,3-cd) pyrene	0.234	0.020	"	0.200	ND	117	70-130			
Naphthalene	0.197	0.002	"	0.200	ND	98.3	70-130			
Phenanthrene	0.194	0.020	"	0.200	ND	96.8	70-130			
Pyrene	0.194	0.020	"	0.200	0.0006	96.6	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		102	60-130			
Surrogate: Anthracene-d10	180		"	200		90.8	60-130			
Surrogate: Pyrene-d10	190		"	200		95.1	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		107	60-130			

**Matrix Spike Dup (B4F1335-MSD1)**

Source: Y406339-01

Prepared: 06/13/2024 Analyzed: 06/19/2024

1-Methylnaphthalene	0.190	0.002	mg/kg	0.200	0.001	94.3	70-130	6.43	20	
2-Methylnaphthalene	0.199	0.002	"	0.200	0.0009	98.8	70-130	4.80	20	
Acenaphthene	0.196	0.020	"	0.200	ND	97.8	70-130	0.273	20	
Anthracene	0.200	0.020	"	0.200	0.0008	99.7	70-130	6.52	20	
Benzo (a) anthracene	0.204	0.005	"	0.200	0.001	101	70-130	1.52	20	
Benzo (a) pyrene	0.186	0.020	"	0.200	0.004	91.1	70-130	9.37	20	
Benzo (b) fluoranthene	0.203	0.020	"	0.200	0.001	101	70-130	0.684	20	
Benzo (g,h,i) perylene	0.216	0.020	"	0.200	ND	108	70-130	5.89	20	
Benzo (k) fluoranthene	0.174	0.020	"	0.200	ND	87.0	70-130	11.4	20	
Chrysene	0.192	0.020	"	0.200	0.001	95.3	70-130	8.71	20	
Dibenz (a,h) anthracene	0.250	0.020	"	0.200	0.001	125	70-130	6.06	20	
Fluoranthene	0.197	0.020	"	0.200	ND	98.3	70-130	8.19	20	

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 Grand Junction CO 81501

Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Chenoweth 01

**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 B4F1335 - EPA 3580

Matrix Spike Dup (B4F1335-MSD1)

Source: Y406339-01

Prepared: 06/13/2024 Analyzed: 06/19/2024

Fluorene	0.192	0.020	mg/kg	0.200	ND	95.9	70-130	0.867	20	
Indeno (1,2,3-cd) pyrene	0.249	0.020	"	0.200	ND	125	70-130	6.33	20	
Naphthalene	0.189	0.002	"	0.200	ND	94.6	70-130	3.91	20	
Phenanthrene	0.203	0.020	"	0.200	ND	101	70-130	4.52	20	
Pyrene	0.189	0.020	"	0.200	0.0006	94.1	70-130	2.62	20	
Surrogate: Fluorene-d10	210		ug/kg	200		104	60-130			
Surrogate: Anthracene-d10	190		"	200		93.0	60-130			
Surrogate: Pyrene-d10	190		"	200		94.2	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.7	60-130			

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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 Verysen  
 Project Number: [none]  
 Project: Chevron - Chenoweth 01

**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 B4F1411 - DTPA Sorbitol Preparation**

**Blank (B4F1411-BLK1)**

Prepared: 06/14/2024 Analyzed: 06/17/2024

Boron ND 0.100 mg/L

**Duplicate (B4F1411-DUP1)**

**Source: Y406372-03**

Prepared: 06/14/2024 Analyzed: 06/17/2024

Boron 0.183 0.100 mg/L

0.200 8.77 50

**Batch B4F1416 - Saturated Paste Metals**

**Blank (B4F1416-BLK1)**

Prepared: 06/14/2024 Analyzed: 06/18/2024

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 (B4F1416-DUP1)**

**Source: Y406380-01**

Prepared: 06/14/2024 Analyzed: 06/18/2024

Calcium PPM 16.7 10.0 mg/L

17.1 2.37 50

SAR ND 0.0100 SAR

0.191 200

Magnesium PPM 2.64 10.0 mg/L

2.30 13.8 50

Sodium PPM 2.65 10.0 "

3.17 17.9 50

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 Verysen  
 Project Number: [none]  
 Project: Chevron - Chenoweth 01

**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 B4F1420 - Saturated Paste pH/EC**

**Blank (B4F1420-BLK1)**

Prepared: 06/14/2024 Analyzed: 06/19/2024

Specific Conductance (EC) ND 0.00500 mmhos/cm

**Duplicate (B4F1420-DUP1)**

**Source: Y406380-01**

Prepared: 06/14/2024 Analyzed: 06/18/2024

pH 8.32 pH Units 8.30 0.241 25

Specific Conductance (EC) 0.236 0.00500 mmhos/cm 0.234 0.850 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 Verysen  
 Project Number: [none]  
 Project: Chevron - Chenoweth 01

**Total Metals 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 2631204 - SW846 3060A**

Prepared: 06/25/2024 Analyzed: 06/25/2024

**BLANK (1205771125-BLK)**

Hexavalent Chromium	ND	0.397	mg/kg							U
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**LCS (1205771126-BKS)**

Prepared: 06/25/2024 Analyzed: 06/25/2024

Hexavalent Chromium	3.24	0.325	mg/kg	3.25		99.9	80-120			
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**DUP (1205771127 D)**

**Source: 671733001**

Prepared: 06/25/2024 Analyzed: 06/25/2024

Hexavalent Chromium	ND	0.266	mg/kg dry		<0.106		0-50	N/A	50	U
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**MS (1205771128 S)**

**Source: 671733001**

Prepared: 06/25/2024 Analyzed: 06/25/2024

Hexavalent Chromium	1.80	0.266	mg/kg dry	2.66	<0.106	65.3	75-125			
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**DUP (1205771129 D)**

**Source: 671778001**

Prepared: 06/25/2024 Analyzed: 06/25/2024

Hexavalent Chromium	ND	0.312	mg/kg dry		<0.125		0-50	N/A	50	U
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**MS (1205771130 S)**

**Source: 671778001**

Prepared: 06/25/2024 Analyzed: 06/25/2024

Hexavalent Chromium	1.67	0.312	mg/kg dry	3.12	<0.125	50.9	75-125			
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**ILCS (1205771131-ILCS)**

Prepared: 06/25/2024 Analyzed: 06/25/2024

Hexavalent Chromium	5.66	0.274	mg/kg	5.53		102	80-120			
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Origins Laboratory, Inc.



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

Chelsea Veryser  
Project Number: [none]  
Project: Chevron - Chenoweth 01

## 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.  
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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