



August 15, 2024

Entrada Consulting Group

Chelsea Veryser

330 Grand Ave. Unit C

Grand Junction CO 81501

Project Name - Chevron - UPRC 23-1117

Project Number - [none]

Attached are your analytical results for Chevron - UPRC 23-1117 received by Origins Laboratory, Inc. July 16, 2024. This project is associated with Origins project number Y407418-01.

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




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

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

Chelsea Veryser
Project Number: [none]
Project: Chevron - UPRC 23-1117

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH01@6	Y407418-01	Soil	July 16, 2024 13:00	07/16/2024 16:35
FLR01@4	Y407418-02	Soil	July 16, 2024 13:03	07/16/2024 16:35

Origins Laboratory, Inc.


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ORIGINS LABORATORY, INC

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

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - UPRC 23-1117

1725 Elk Place Denver, Co 80211 # 303.433.3322 originslab.com

Temp Received -

Received on ice? Yes No

Standard 48 Hr 72 Hr
 SAME DAY 24 Hr

#	Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix Preservative	Analysis		Comments
						Table 715		
1	W10104	7/16/24	9:00	2	UWP			
2	F10104		9:05	5	UWP	X		
3	M10104		9:05					
4	M10104		9:15					
5	M10104		9:20					
6								
7								
8								
9								
10								

Relinquished By:	Date: 7/16/24	Time: 14:30
Received By:	Date: 07/16/24	Time: 15:05

Client: Entrada
 Address:
 Telephone Number: 303-514-8705
 Email Address: Entrada@entradasolutions.com
 Project Manager: Chelsea Veryser
 Project Name: UPRC 23-1117
 Project Number:
 Collected By:
 Invoice Billing Info: Bill to: Chelsea Veryser
 SW-Surface Water
 MW=Miscellaneous Water
 L=liquid
 SS=Solid O=Oil A=Air G=gases UWP=Ultrasonic
 HCL=Hydrochloric HNO3=Nitric H2SO4=Sulfuric NaOH=Sodium Hydroxide



ORIGINS WORK ORDER # 407418

Page 1 of 1

Origins Laboratory, Inc.

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ORIGINS

LABORATORY, INC

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

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - UPRC 23-117

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

Origins Work Order: 4407413 Sample Receipt Checklist

Client: Entrada
 Client Project ID: UPRC 23-117

Checklist Completed by: [Signature]
 Date/Time completed: 7/17/24
 Shipped Via: TD
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: N/A

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

Cooler Number/Temperature: 1, 19 °C _____ °C _____ °C (Describe) _____ °C

Thermometer ID: 7005

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"/>	<input checked="" type="checkbox"/>		<u>SD</u>
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Are short holding time analytes or samples with HTs due within 48 hours ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) - (preservation is not confirmed for subcontracted analytes in order to insure sample integrity)(pH <2 for samples preserved with HNO ₃ , HCl, H ₂ SO ₄ or >10 for samples preserved with NaAsO ₂ ·NaOH, ZnAc·NaOH)	<input checked="" type="checkbox"/>	<input 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) [Signature]

Date/Time Reviewed 7/18/24

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 - UPRC 23-1117

WH01@6
 7/16/2024 1:00:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y407418-01 (Soil)
Origins Laboratory, Inc.

Boron (DTPA Sorbitol)

Boron	0.416	0.100	mg/L	1	B4G1809	ACC	07/18/2024	07/19/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4G1802	ZZZ	07/18/2024	07/18/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	Ua

Surrogate: <i>o</i> -Terphenyl	83.2 %		50-150		"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4G1736	HK	07/17/2024	07/18/2024	Ua
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HK	"	"	Ua
Benzene	ND	0.00200	"	"	"	HK	"	"	Ua
Ethylbenzene	ND	0.00200	"	"	"	HK	"	"	Ua
Toluene	ND	0.00200	"	"	"	HK	"	"	Ua
Xylenes, total	ND	0.00200	"	"	"	HK	"	"	Ua
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HK	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	92.3 %		70-130		"	"	"	"	
Surrogate: Toluene-d8	94.6 %		70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	92.4 %		70-130		"	"	"	"	

Metals by Saturated Paste by EPA 6010

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 - UPRC 23-1117

WH01@6
 7/16/2024 1:00:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-------	-------	----------	-------	---------	----------	----------	-------

Y407418-01 (Soil)
Origins Laboratory, Inc.

Metals by Saturated Paste by EPA 6010

Calcium	1.85	0.499	meq/L	10	[CALC]	ACC	07/18/2024	07/19/2024	
Magnesium	1.80	0.823	"	"	"	ACC	"	"	
Sodium	1.04	0.435	"	"	"	ACC	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4G1828	Windows	07/18/2024	07/20/2024	Ua
2-Methylnaphthalene	ND	0.002	"	"	"	Windows	"	"	Ua
Acenaphthene	ND	0.020	"	"	"	Windows	"	"	Ua
Anthracene	ND	0.020	"	"	"	Windows	"	"	Ua
Benzo (a) anthracene	ND	0.005	"	"	"	Windows	"	"	Ua
Benzo (a) pyrene	ND	0.020	"	"	"	Windows	"	"	Ua
Benzo (b) fluoranthene	ND	0.020	"	"	"	Windows	"	"	Ua
Benzo (k) fluoranthene	ND	0.020	"	"	"	Windows	"	"	Ua
Chrysene	ND	0.020	"	"	"	Windows	"	"	Ua
Dibenz (a,h) anthracene	ND	0.020	"	"	"	Windows	"	"	Ua
Fluoranthene	ND	0.020	"	"	"	Windows	"	"	Ua
Fluorene	ND	0.020	"	"	"	Windows	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	Windows	"	"	Ua
Naphthalene	ND	0.002	"	"	"	Windows	"	"	Ua
Pyrene	ND	0.020	"	"	"	Windows	"	"	Ua

Origins Laboratory, Inc.



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 Grand Junction CO 81501

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - UPRC 23-1117

WH01@6
 7/16/2024 1:00:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y407418-01 (Soil)
Origins Laboratory, Inc.

PAH by EPA 8270E

Surrogate: Fluorene-d10	98.1 %	60-130			B4G18 28		07/18/2024	07/20/2024	
Surrogate: Anthracene-d10	99.3 %	60-130			"	"	"	"	
Surrogate: Pyrene-d10	101 %	60-130			"	"	"	"	
Surrogate: Benzo (a) pyrene-d12	98.9 %	60-130			"	"	"	"	

pH in Soil by 9045D

pH	8.43		pH Units	1	B4G1819	EAL	07/18/2024	07/19/2024	
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SAR by 20B Saturated Paste

SAR	0.771	0.0100	SAR	1	B4G1814	ACC	07/18/2024	07/19/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.539	0.00500	mmhos/cm	1	B4G1819	EAL	07/18/2024	07/19/2024	
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Table 915 metals by EPA 6020B

Arsenic	4.62	0.272	mg/kg	10	B4G1746	HJD	07/17/2024	07/20/2024	
Barium	206	9.38	"	"	"	HJD	"	"	
Cadmium	0.178	0.0938	"	"	"	HJD	"	"	
Copper	12.5	9.38	"	"	"	HJD	"	"	
Lead	10.9	0.938	"	"	"	HJD	"	"	
Nickel	13.9	0.938	"	"	"	HJD	"	"	
Selenium	ND	0.244	"	"	"	HJD	"	"	

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Chelsea Veryser
Project Number: [none]
Project: Chevron - UPRC 23-1117

WH01@6

7/16/2024 1:00:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y407418-01 (Soil)
Origins Laboratory, Inc.

Table 915 metals by EPA 6020B

Silver	ND	0.0938	mg/kg	10	B4G1746	HJD	07/17/2024	07/20/2024	
Zinc	47.1	34.7	"	"	"	HJD	"	"	

GEL Laboratories, LLC

Total Metals 7196A

Hexavalent Chromium	ND	0.470	mg/kg dry	1	2653032	HH2	08/14/2024	08/14/2024	U
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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - UPRC 23-1117

FLR01@4

7/16/2024 1:03:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y407418-02 (Soil)
 Origins Laboratory, Inc.

Boron (DTPA Sorbitol)

Boron	0.363	0.0998	mg/L	1	B4G1809	ACC	07/18/2024	07/19/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4G1802	ZZZ	07/18/2024	07/18/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	Ua

Surrogate: <i>o</i> -Terphenyl	87.0 %		50-150		"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4G1736	HK	07/17/2024	07/18/2024	Ua
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HK	"	"	Ua
Benzene	ND	0.00200	"	"	"	HK	"	"	Ua
Ethylbenzene	ND	0.00200	"	"	"	HK	"	"	Ua
Toluene	ND	0.00200	"	"	"	HK	"	"	Ua
Xylenes, total	ND	0.00200	"	"	"	HK	"	"	Ua
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HK	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	89.6 %		70-130		"	"	"	"	
Surrogate: Toluene-d8	97.1 %		70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	92.1 %		70-130		"	"	"	"	

Metals by Saturated Paste by EPA 6010

Origins Laboratory, Inc.



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 Grand Junction CO 81501

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - UPRC 23-1117

FLR01@4

7/16/2024 1:03:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y407418-02 (Soil)
Origins Laboratory, Inc.

Metals by Saturated Paste by EPA 6010

Calcium	1.68	0.499	meq/L	10	[CALC]	ACC	07/18/2024	07/19/2024	
Magnesium	1.70	0.823	"	"	"	ACC	"	"	
Sodium	0.960	0.435	"	"	"	ACC	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4G1828	Windows	07/18/2024	07/20/2024	Ua
2-Methylnaphthalene	ND	0.002	"	"	"	Windows	"	"	Ua
Acenaphthene	ND	0.020	"	"	"	Windows	"	"	Ua
Anthracene	ND	0.020	"	"	"	Windows	"	"	Ua
Benzo (a) anthracene	ND	0.005	"	"	"	Windows	"	"	Ua
Benzo (a) pyrene	ND	0.020	"	"	"	Windows	"	"	Ua
Benzo (b) fluoranthene	ND	0.020	"	"	"	Windows	"	"	Ua
Benzo (k) fluoranthene	ND	0.020	"	"	"	Windows	"	"	Ua
Chrysene	ND	0.020	"	"	"	Windows	"	"	Ua
Dibenz (a,h) anthracene	ND	0.020	"	"	"	Windows	"	"	Ua
Fluoranthene	ND	0.020	"	"	"	Windows	"	"	Ua
Fluorene	ND	0.020	"	"	"	Windows	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	Windows	"	"	Ua
Naphthalene	ND	0.002	"	"	"	Windows	"	"	Ua
Pyrene	ND	0.020	"	"	"	Windows	"	"	Ua

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 - UPRC 23-1117

FLR01@4

7/16/2024 1:03:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y407418-02 (Soil)
Origins Laboratory, Inc.

PAH by EPA 8270E

Surrogate: Fluorene-d10	98.7 %	60-130			B4G18 28		07/18/2024	07/20/2024	
Surrogate: Anthracene-d10	99.4 %	60-130			"	"	"	"	
Surrogate: Pyrene-d10	101 %	60-130			"	"	"	"	
Surrogate: Benzo (a) pyrene-d12	97.4 %	60-130			"	"	"	"	

pH in Soil by 9045D

pH	8.46		pH Units	1	B4G1819	EAL	07/18/2024	07/19/2024	
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SAR by 20B Saturated Paste

SAR	0.739	0.0100	SAR	1	B4G1814	ACC	07/18/2024	07/19/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.514	0.00500	mmhos/cm	1	B4G1819	EAL	07/18/2024	07/19/2024	
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Table 915 metals by EPA 6020B

Arsenic	5.38	0.257	mg/kg	10	B4G1746	HJD	07/17/2024	07/20/2024	
Barium	320	8.85	"	"	"	HJD	"	"	
Cadmium	0.256	0.0885	"	"	"	HJD	"	"	
Copper	14.3	8.85	"	"	"	HJD	"	"	
Lead	13.4	0.885	"	"	"	HJD	"	"	
Nickel	15.7	0.885	"	"	"	HJD	"	"	
Selenium	0.248	0.230	"	"	"	HJD	"	"	

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 - UPRC 23-1117

FLR01@4

7/16/2024 1:03:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y407418-02 (Soil)
 Origins Laboratory, Inc.

Table 915 metals by EPA 6020B

Silver	ND	0.0885	mg/kg	10	B4G1746	HJD	07/17/2024	07/20/2024	
Zinc	52.6	32.8	"	"	"	HJD	"	"	

GEL Laboratories, LLC

Total Metals 7196A

Hexavalent Chromium	ND	0.402	mg/kg dry	1	2653032	HH2	08/14/2024	08/14/2024	U
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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 - UPRC 23-1117

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 B4G1736 - EPA 5030 (soil)

Blank (B4G1736-BLK1)

Prepared: 07/17/2024 Analyzed: 07/18/2024

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	0.093		"	0.125		74.7	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		90.2	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 - UPRC 23-1117

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 B4G1736 - EPA 5030 (soil)

LCS (B4G1736-BS1)

Prepared: 07/17/2024 Analyzed: 07/18/2024

1,2,4-Trimethylbenzene	0.0844	0.00200	mg/kg	0.100		84.4	70-130			
1,3,5-Trimethylbenzene	0.0846	0.00200	"	0.100		84.6	70-130			
Benzene	0.0894	0.00200	"	0.100		89.4	70-130			
Ethylbenzene	0.0844	0.00200	"	0.100		84.4	70-130			
Naphthalene	0.0941	0.00380	"	0.100		94.1	70-130			
Toluene	0.0849	0.00200	"	0.100		84.9	70-130			
o-Xylene	0.0820	0.00200	"	0.100		82.0	70-130			
m,p-Xylene	0.181	0.00400	"	0.200		90.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.091		"	0.125		72.9	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		90.0	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 - UPRC 23-1117

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 B4G1736 - EPA 5030 (soil)

Matrix Spike (B4G1736-MS1)

Source: Y407410-01

Prepared: 07/17/2024 Analyzed: 07/18/2024

1,2,4-Trimethylbenzene	0.0836	0.00200	mg/kg	0.100	ND	83.6	70-130			
1,3,5-Trimethylbenzene	0.0838	0.00200	"	0.100	ND	83.8	70-130			
Benzene	0.0891	0.00200	"	0.100	ND	89.1	70-130			
Ethylbenzene	0.0833	0.00200	"	0.100	ND	83.3	70-130			
Naphthalene	0.0928	0.00380	"	0.100	ND	92.8	70-130			
Toluene	0.0830	0.00200	"	0.100	ND	83.0	70-130			
o-Xylene	0.0816	0.00200	"	0.100	ND	81.6	70-130			
m,p-Xylene	0.180	0.00400	"	0.200	ND	90.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.099		"	0.125		79.2	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		90.0	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 - UPRC 23-1117

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 B4G1736 - EPA 5030 (soil)

Matrix Spike Dup (B4G1736-MSD1)

Source: Y407410-01

Prepared: 07/17/2024 Analyzed: 07/18/2024

1,2,4-Trimethylbenzene	0.0862	0.00200	mg/kg	0.100	ND	86.2	70-130	3.11	20	
1,3,5-Trimethylbenzene	0.0860	0.00200	"	0.100	ND	86.0	70-130	2.61	20	
Benzene	0.0915	0.00200	"	0.100	ND	91.5	70-130	2.63	20	
Ethylbenzene	0.0855	0.00200	"	0.100	ND	85.5	70-130	2.61	20	
Naphthalene	0.0950	0.00380	"	0.100	ND	95.0	70-130	2.34	20	
Toluene	0.0847	0.00200	"	0.100	ND	84.7	70-130	2.10	20	
o-Xylene	0.0846	0.00200	"	0.100	ND	84.6	70-130	3.56	20	
m,p-Xylene	0.187	0.00400	"	0.200	ND	93.3	70-130	3.58	20	
Surrogate: 1,2-Dichloroethane-d4	0.095		"	0.125		76.0	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		91.4	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 - UPRC 23-1117

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 B4G1802 - EPA 3550B

Blank (B4G1802-BLK1)

Prepared: 07/18/2024 Analyzed: 07/18/2024

Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	22		"	24.9		87.2	50-150			

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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - UPRC 23-1117

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 B4G1802 - EPA 3550B

LCS (B4G1802-BS1)

Prepared: 07/18/2024 Analyzed: 07/18/2024

Diesel (C10-C28)	907	50.0	mg/kg	1000	90.7	70-130				
Residual Range Organics (C28-C40)	965	200	"	1000	96.5	70-130				
Surrogate: o-Terphenyl	52		"	49.8	105	50-150				

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Entrada Consulting Group
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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - UPRC 23-1117

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 B4G1802 - EPA 3550B

Matrix Spike (B4G1802-MS1)

Source: Y407417-81

Prepared: 07/18/2024 Analyzed: 07/18/2024

Diesel (C10-C28)	945	50.0	mg/kg	1000	ND	94.5	70-130			
Residual Range Organics (C28-C40)	1030	200	"	1000	ND	103	70-130			
Surrogate: o-Terphenyl	53		"	49.8		107	50-150			

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Chelsea Veryser
Project Number: [none]
Project: Chevron - UPRC 23-1117

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 B4G1802 - EPA 3550B

Matrix Spike Dup (B4G1802-MSD1)

Source: Y407417-81

Prepared: 07/18/2024 Analyzed: 07/18/2024

Diesel (C10-C28)	947	50.0	mg/kg	1000	ND	94.7	70-130	0.201	35	
Residual Range Organics (C28-C40)	1060	200	"	1000	ND	106	70-130	2.86	35	
Surrogate: o-Terphenyl	57		"	49.8		114	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 - UPRC 23-1117

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 B4G1746 - EPA 3050B

Blank (B4G1746-BLK1)

Prepared: 07/17/2024 Analyzed: 07/20/2024

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 (B4G1746-BS1)

Prepared: 07/17/2024 Analyzed: 07/22/2024

Arsenic	4.76	0.290	mg/kg	5.00		95.2	80-120			
Barium	455	10.0	"	500		91.0	80-120			
Cadmium	4.82	0.100	"	5.00		96.5	80-120			
Copper	50.5	10.0	"	50.0		101	80-120			
Lead	4.56	1.00	"	5.00		91.1	80-120			
Nickel	4.85	1.00	"	5.00		96.9	80-120			
Selenium	4.81	0.260	"	5.00		96.2	80-120			
Silver	4.89	0.100	"	5.00		97.7	80-120			
Zinc	49.0	37.0	"	50.0		98.0	80-120			

Matrix Spike (B4G1746-MS1)

Source: Y407417-81

Prepared: 07/17/2024 Analyzed: 07/20/2024

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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - UPRC 23-1117

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 B4G1746 - EPA 3050B

Matrix Spike (B4G1746-MS1)

Source: Y407417-81

Prepared: 07/17/2024 Analyzed: 07/20/2024

Arsenic	7.00	0.282	mg/kg	4.87	1.73	108	75-125			
Barium	579	9.74	"	487	63.8	106	75-125			
Cadmium	5.53	0.0974	"	4.87	0.0679	112	75-125			
Copper	56.4	9.74	"	48.7	4.00	108	75-125			
Lead	9.74	0.974	"	4.87	4.22	113	75-125			
Nickel	9.56	0.974	"	4.87	4.64	101	75-125			
Selenium	5.18	0.253	"	4.87	0.0453	105	75-125			
Silver	5.43	0.0974	"	4.87	0.0189	111	75-125			
Zinc	71.6	36.0	"	48.7	20.0	106	75-125			

Matrix Spike Dup (B4G1746-MSD1)

Source: Y407417-81

Prepared: 07/17/2024 Analyzed: 07/20/2024

Arsenic	6.05	0.260	mg/kg	4.48	1.73	96.5	75-125	14.6	20	
Barium	525	8.95	"	448	63.8	103	75-125	9.76	20	
Cadmium	4.69	0.0895	"	4.48	0.0679	103	75-125	16.4	20	
Copper	49.4	8.95	"	44.8	4.00	102	75-125	13.2	20	
Lead	9.02	0.895	"	4.48	4.22	107	75-125	7.68	20	
Nickel	9.13	0.895	"	4.48	4.64	100	75-125	4.58	20	
Selenium	4.37	0.233	"	4.48	0.0453	96.7	75-125	16.9	20	
Silver	4.64	0.0895	"	4.48	0.0189	103	75-125	15.7	20	
Zinc	65.2	33.1	"	44.8	20.0	101	75-125	9.42	20	

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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 - UPRC 23-1117

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 B4G1828 - EPA 3580

Blank (B4G1828-BLK1)

Prepared: 07/18/2024 Analyzed: 07/19/2024

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	190		ug/kg	200		97.0	60-130			
Surrogate: Anthracene-d10	200		"	200		99.2	60-130			
Surrogate: Pyrene-d10	210		"	200		106	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.4	60-130			

LCS (B4G1828-BS1)

Prepared: 07/18/2024 Analyzed: 07/19/2024

1-Methylnaphthalene	0.203	0.002	mg/kg	0.200		101	70-130			
2-Methylnaphthalene	0.202	0.002	"	0.200		101	70-130			
Acenaphthene	0.207	0.020	"	0.200		104	70-130			
Anthracene	0.205	0.020	"	0.200		103	70-130			

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

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - UPRC 23-1117

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 B4G1828 - EPA 3580

LCS (B4G1828-BS1)

Prepared: 07/18/2024 Analyzed: 07/19/2024

Benzo (a) anthracene	0.206	0.005	mg/kg	0.200	103	70-130
Benzo (a) pyrene	0.219	0.020	"	0.200	110	70-130
Benzo (b) fluoranthene	0.221	0.020	"	0.200	110	70-130
Benzo (g,h,i) perylene	0.216	0.020	"	0.200	108	70-130
Benzo (k) fluoranthene	0.216	0.020	"	0.200	108	70-130
Chrysene	0.218	0.020	"	0.200	109	70-130
Dibenz (a,h) anthracene	0.220	0.020	"	0.200	110	70-130
Fluoranthene	0.220	0.020	"	0.200	110	70-130
Fluorene	0.211	0.020	"	0.200	106	70-130
Indeno (1,2,3-cd) pyrene	0.201	0.020	"	0.200	101	70-130
Naphthalene	0.204	0.002	"	0.200	102	70-130
Phenanthrene	0.218	0.020	"	0.200	109	70-130
Pyrene	0.230	0.020	"	0.200	115	70-130
Surrogate: Fluorene-d10	200		ug/kg	200	98.3	60-130
Surrogate: Anthracene-d10	200		"	200	99.3	60-130
Surrogate: Pyrene-d10	210		"	200	103	60-130
Surrogate: Benzo (a) pyrene-d12	190		"	200	97.2	60-130

Matrix Spike (B4G1828-MS1)

Source: Y407379-01

Prepared: 07/18/2024 Analyzed: 07/19/2024

1-Methylnaphthalene	0.202	0.002	mg/kg	0.200	ND	101	70-130
2-Methylnaphthalene	0.202	0.002	"	0.200	ND	101	70-130
Acenaphthene	0.209	0.020	"	0.200	ND	104	70-130
Anthracene	0.211	0.020	"	0.200	0.0004	106	70-130
Benzo (a) anthracene	0.211	0.005	"	0.200	0.001	105	70-130
Benzo (a) pyrene	0.232	0.020	"	0.200	ND	116	70-130
Benzo (b) fluoranthene	0.230	0.020	"	0.200	0.0007	115	70-130
Benzo (g,h,i) perylene	0.221	0.020	"	0.200	ND	111	70-130

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

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - UPRC 23-1117

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 B4G1828 - EPA 3580

Matrix Spike (B4G1828-MS1)

Source: Y407379-01

Prepared: 07/18/2024 Analyzed: 07/19/2024

Benzo (k) fluoranthene	0.217	0.020	mg/kg	0.200	0.0005	108	70-130			
Chrysene	0.214	0.020	"	0.200	ND	107	70-130			
Dibenz (a,h) anthracene	0.221	0.020	"	0.200	ND	110	70-130			
Fluoranthene	0.222	0.020	"	0.200	ND	111	70-130			
Fluorene	0.212	0.020	"	0.200	ND	106	70-130			
Indeno (1,2,3-cd) pyrene	0.218	0.020	"	0.200	0.001	108	70-130			
Naphthalene	0.203	0.002	"	0.200	ND	102	70-130			
Phenanthrene	0.216	0.020	"	0.200	ND	108	70-130			
Pyrene	0.225	0.020	"	0.200	0.0004	112	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		98.4	60-130			
Surrogate: Anthracene-d10	200		"	200		100	60-130			
Surrogate: Pyrene-d10	210		"	200		103	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.9	60-130			

Matrix Spike Dup (B4G1828-MSD1)

Source: Y407379-01

Prepared: 07/18/2024 Analyzed: 07/19/2024

1-Methylnaphthalene	0.201	0.002	mg/kg	0.200	ND	100	70-130	0.630	20	
2-Methylnaphthalene	0.200	0.002	"	0.200	ND	99.9	70-130	1.08	20	
Acenaphthene	0.205	0.020	"	0.200	ND	103	70-130	1.68	20	
Anthracene	0.208	0.020	"	0.200	0.0004	104	70-130	1.45	20	
Benzo (a) anthracene	0.209	0.005	"	0.200	0.001	104	70-130	1.05	20	
Benzo (a) pyrene	0.222	0.020	"	0.200	ND	111	70-130	4.22	20	
Benzo (b) fluoranthene	0.225	0.020	"	0.200	0.0007	112	70-130	2.34	20	
Benzo (g,h,i) perylene	0.215	0.020	"	0.200	ND	107	70-130	2.94	20	
Benzo (k) fluoranthene	0.207	0.020	"	0.200	0.0005	103	70-130	4.85	20	
Chrysene	0.212	0.020	"	0.200	ND	106	70-130	0.878	20	
Dibenz (a,h) anthracene	0.207	0.020	"	0.200	ND	104	70-130	6.32	20	
Fluoranthene	0.215	0.020	"	0.200	ND	108	70-130	3.03	20	

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 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - UPRC 23-1117

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 B4G1828 - EPA 3580

Matrix Spike Dup (B4G1828-MSD1)

Source: Y407379-01

Prepared: 07/18/2024 Analyzed: 07/19/2024

Fluorene	0.205	0.020	mg/kg	0.200	ND	102	70-130	3.35	20	
Indeno (1,2,3-cd) pyrene	0.210	0.020	"	0.200	0.001	104	70-130	4.17	20	
Naphthalene	0.201	0.002	"	0.200	ND	100	70-130	1.26	20	
Phenanthrene	0.210	0.020	"	0.200	ND	105	70-130	2.88	20	
Pyrene	0.222	0.020	"	0.200	0.0004	111	70-130	1.09	20	
Surrogate: Fluorene-d10	200		ug/kg	200		97.5	60-130			
Surrogate: Anthracene-d10	200		"	200		100	60-130			
Surrogate: Pyrene-d10	200		"	200		102	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		100	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 Veryser
 Project Number: [none]
 Project: Chevron - UPRC 23-1117

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 B4G1809 - DTPA Sorbitol Preparation

Blank (B4G1809-BLK1)

Prepared: 07/18/2024 Analyzed: 07/19/2024

Boron ND 0.100 mg/L

Duplicate (B4G1809-DUP1)

Source: Y407417-92

Prepared: 07/18/2024 Analyzed: 07/19/2024

Boron 0.309 0.100 mg/L 0.296 4.45 50

Batch B4G1814 - Saturated Paste Metals

Blank (B4G1814-BLK1)

Prepared: 07/18/2024 Analyzed: 07/19/2024

SAR ND 0.0100 SAR

Calcium PPM ND 10.0 mg/L

Magnesium PPM ND 10.0 "

Sodium PPM ND 10.0 "

Duplicate (B4G1814-DUP1)

Source: Y407418-01

Prepared: 07/18/2024 Analyzed: 07/19/2024

Calcium PPM 35.5 10.0 mg/L 37.0 4.03 50

SAR ND 0.0100 SAR 0.771 200

Magnesium PPM 23.5 10.0 mg/L 21.8 7.54 50

Sodium PPM 22.6 10.0 " 23.9 5.77 50

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 - UPRC 23-1117

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 B4G1819 - Saturated Paste pH/EC

Blank (B4G1819-BLK1)

Prepared: 07/18/2024 Analyzed: 07/19/2024

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B4G1819-DUP1)

Source: Y407418-01

Prepared: 07/18/2024 Analyzed: 07/19/2024

Specific Conductance (EC) 0.522 0.00500 mmhos/cm 0.539 3.22 25

pH 8.45 pH Units 8.43 0.237 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 Veryser
 Project Number: [none]
 Project: Chevron - UPRC 23-1117

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 2653032 - SW846 3060A

BLANK (1205814723-BLK)

Prepared: 08/14/2024 Analyzed: 08/14/2024

Hexavalent Chromium	ND	0.329	mg/kg				-			U
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LCS (1205814724-BKS)

Prepared: 08/14/2024 Analyzed: 08/14/2024

Hexavalent Chromium	3.75	0.378	mg/kg	3.78		99	80-120			
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DUP (1205814725 D)

Source: 676129001

Prepared: 08/14/2024 Analyzed: 08/14/2024

Hexavalent Chromium	ND	0.415	mg/kg dry		0.195		0-50	N/A	50	U
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MS (1205814726 S)

Source: 676129001

Prepared: 08/14/2024 Analyzed: 08/14/2024

Hexavalent Chromium	3.70	0.415	mg/kg dry	4.15	0.195	84.4	75-125			
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DUP (1205814727 D)

Source: 676129002

Prepared: 08/14/2024 Analyzed: 08/14/2024

Hexavalent Chromium	0.237	0.343	mg/kg dry		0.274		0-50	14.7	50	J
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MS (1205814728 S)

Source: 676129002

Prepared: 08/14/2024 Analyzed: 08/14/2024

Hexavalent Chromium	3.25	0.343	mg/kg dry	3.43	0.274	86.6	75-125			
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ILCS (1205814729-ILCS)

Prepared: 08/14/2024 Analyzed: 08/14/2024

Hexavalent Chromium	7.46	0.367	mg/kg	7.47		99.9	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 - UPRC 23-1117

Notes and Definitions

- Ua Sample is Non-Detect.
- U Result not detected above the detection limit
- J Greater than the detection limit but less than the reporting limit
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

All soil results are reported at 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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