



April 12, 2024

Entrada Consulting Group

Chelsea Veryter

330 Grand Ave. Unit C

Grand Junction CO 81501

Project Name - Chevron - Barton C15-29

Project Number - [none]

Attached are your analytical results for Chevron - Barton C15-29 received by Origins Laboratory, Inc. March 19, 2024. This project is associated with Origins project number Y403530-01.

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 Vertyer

Project Number: [none]

Project: Chevron - Barton C15-29

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH01@6	Y403530-01	Soil	March 19, 2024 13:00	03/19/2024 17:42
GW01	Y403530-06	Water	March 19, 2024 13:25	03/19/2024 17:42

Origins Laboratory, Inc.

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Jordan A. Bynon For Jen Pellegrini, Project Manager







# ORIGINS

## LABORATORY, INC

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

Chelsea Vertyer  
Project Number: [none]  
Project: Chevron - Barton C15-29

Origins Laboratory

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

### Sample Receipt Checklist

Origins Work Order: Y403530

Client: Entrada

Client Project ID: CHEVRON - Barton C15-29

Checklist Completed by: SA/ELWS

Shipped Via: HD

Date/time completed: 3/20/24

(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 20 °C

1 °C (Describe) 1 °C

Thermometer ID: T004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>1,2</sup>		<input checked="" type="checkbox"/>		<u>D</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>1,2</sup>	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>1,2</sup>	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTS due within 48 hours present <sup>1,2</sup>		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely <sup>1,2</sup>	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received <sup>1,2</sup>	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC <sup>1,2</sup>	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded <sup>1,2</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>1,2</sup> (note ID of confirmation instrument used in comments) <sup>1</sup> (preservation is not confirmed for subcontracted analytes in order to insure sample integrity) (pH < 2 for samples preserved with HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) (pH > 10 for samples preserved with NaAsO <sub>2</sub> +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 be taken in the additional comments below and the case narrative.

Reviewed by (Project Manager): [Signature]

Date/Time Reviewed: 3/21/24

Origins Laboratory, Inc.

[Signature]

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

Chelsea Vertyer  
Project Number: [none]  
Project: Chevron - Barton C15-29

WH01@6  
3/19/2024 1:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y403530-01 (Soil)**

**Boron (DTPA Sorbitol)**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Boron	1.14	0.0991	mg/L	1	B4C2220	03/22/2024	03/26/2024		

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4C2101	03/21/2024	03/22/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	88.2 %	50-150	"	"	"	"	"	"
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4C2159	03/21/2024	03/23/2024	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	112 %	70-130	"	"	"	"	"	"
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Entrada Consulting Group  
330 Grand Ave. Unit C  
Grand Junction CO 81501

Chelsea Vertyer  
Project Number: [none]  
Project: Chevron - Barton C15-29

WH01@6  
3/19/2024 1:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y403530-01 (Soil)**

**GBTEX+TMBs by 8260D**

Surrogate: Toluene-d8	101 %	70-130	B4C21 59	03/21/2024	03/23/2024
Surrogate: 4-Bromofluorobenzene	101 %	70-130	"	"	"

**Metals by Saturated Paste by EPA 6010**

Calcium	2.58	0.499	meq/L	10	[CALC]	03/22/2024	03/27/2024
Magnesium	1.31	0.823	"	"	"	"	"
Sodium	4.16	0.435	"	"	"	"	"

**PAH by EPA 8270E**

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4C2221	03/22/2024	03/26/2024	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 Vertyer

Project Number: [none]

Project: Chevron - Barton C15-29

WH01@6

3/19/2024 1:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc.

Y403530-01 (Soil)

### PAH by EPA 8270E

Fluorene	ND	0.020	mg/kg	1	B4C2221	03/22/2024	03/26/2024	Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	Ua
Naphthalene	ND	0.002	"	"	"	"	"	Ua
Pyrene	ND	0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	99.8 %	60-130	"	"	"	"	"	"
Surrogate: Anthracene-d10	94.4 %	60-130	"	"	"	"	"	"
Surrogate: Pyrene-d10	111 %	60-130	"	"	"	"	"	"
Surrogate: Benzo (a) pyrene-d12	101 %	60-130	"	"	"	"	"	"

### pH in Soil by 9045D

pH	8.16	pH Units	1	B4C2215	03/22/2024	03/23/2024
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### SAR by 20B Saturated Paste

SAR	2.99	0.0100	SAR	1	B4C2214	03/22/2024	03/27/2024
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### Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.01	0.00500	mmhos/cm	1	B4C2215	03/22/2024	03/23/2024
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### Table 915 metals by EPA 6020B

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Project Number: [none]

Project: Chevron - Barton C15-29

WH01@6

3/19/2024 1:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y403530-01 (Soil)

Table 915 metals by EPA 6020B

Arsenic	3.35	0.276	mg/kg	10	B4C2142	03/21/2024	03/28/2024
Barium	125	9.53	"	"	"	"	"
Cadmium	0.247	0.0953	"	"	"	"	"
Copper	ND	9.53	"	"	"	"	"
Lead	10.9	0.953	"	"	"	"	"
Nickel	7.64	0.953	"	"	"	"	"
Selenium	0.435	0.248	"	"	"	"	"
Silver	ND	0.0953	"	"	"	"	"
Zinc	42.4	35.3	"	"	"	"	"

Total Metals by 7196A

Hexavalent Chromium	ND	0.118	0.294	mg/kg dry	1	2586036	03/22/2024	03/22/2024	U
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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 Vertyer  
Project Number: [none]  
Project: Chevron - Barton C15-29

GW01  
3/19/2024 1:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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## GEL Laboratories, LLC

### Y403530-06 (Water)

### Alkalinity by SM 2320B

Alkalinity, Total as CaCO <sub>3</sub>	736	0.725	2.00	mg/L	1	2587744	03/19/2024	03/27/2024	
Bicarbonate alkalinity (CaCO <sub>3</sub> )	736	0.725	2.00	"	"	"	"	"	
Carbonate alkalinity (CaCO <sub>3</sub> )	ND	0.725	2.00	"	"	"	"	"	U

### Anions by IC 300.0

Chloride	516		31.2	mg/L	125	B4C2105	03/21/2024	03/21/2024	
Sulfate	1100		31.2	"	"	"	"	"	

### BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	2.61		2.00	ug/L	1	B4C2108	03/21/2024	03/22/2024	
1,3,5-Trimethylbenzene	ND		2.00	"	"	"	"	"	Ua
Benzene	ND		1.00	"	"	"	"	"	Ua
Ethylbenzene	1.06		1.00	"	"	"	"	"	
Naphthalene	ND		2.00	"	"	"	"	"	Ua
Toluene	ND		1.00	"	"	"	"	"	Ua
Xylenes, total	ND		1.00	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130	"	"	"	"	"	"	
Surrogate: Toluene-d8	102 %	70-130	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	70-130	"	"	"	"	"	"	

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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Vertyer

Project Number: [none]

Project: Chevron - Barton C15-29

GW01

3/19/2024 1:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y403530-06 (Water)

Total Dissolved Solids by 2540C

Total Dissolved Solids	2890		5.00	mg/L	1	B4C2016	03/20/2024	03/25/2024	
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Total Metals by 200.8

Potassium	91.4	0.800	3.00	mg/L	1	2594476	04/11/2024	04/12/2024	
Sodium	553	16.0	50.0	"	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 Vertyer

Project Number: [none]

Project: Chevron - Barton C15-29

**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 B4C2101 - EPA 3550B**

**Blank (B4C2101-BLK1)**

Prepared: 03/21/2024 Analyzed: 03/22/2024

Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	25		"	24.9		99.7	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 Vertyer  
Project Number: [none]  
Project: Chevron - Barton C15-29

**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 B4C2101 - EPA 3550B

LCS (B4C2101-BS1)

Prepared: 03/21/2024 Analyzed: 03/22/2024

Diesel (C10-C28)	1010	50.0	mg/kg	1000	101	70-130
Residual Range Organics (C28-C40)	936	200	"	1000	93.6	70-130
Surrogate: o-Terphenyl	48		"	49.8	96.3	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 Vertyer

Project Number: [none]

Project: Chevron - Barton C15-29

**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 B4C2101 - EPA 3550B**

**Matrix Spike (B4C2101-MS1)**

**Source: Y403481-01**

Prepared: 03/21/2024 Analyzed: 03/22/2024

Diesel (C10-C28)	991	50.0	mg/kg	1000	ND	99.1	70-130
Residual Range Organics (C28-C40)	942	200	"	1000	ND	94.2	70-130
Surrogate: o-Terphenyl	45		"	49.8		91.4	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 Vertyer

Project Number: [none]

Project: Chevron - Barton C15-29

**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 B4C2101 - EPA 3550B

Matrix Spike Dup (B4C2101-MSD1)

Source: Y403481-01

Prepared: 03/21/2024 Analyzed: 03/22/2024

Diesel (C10-C28)	993	50.0	mg/kg	1000	ND	99.3	70-130	0.287	35	
Residual Range Organics (C28-C40)	932	200	"	1000	ND	93.2	70-130	1.05	35	
Surrogate: o-Terphenyl	45		"	49.8		91.2	50-150			

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

Chelsea Vertyer  
Project Number: [none]  
Project: Chevron - Barton C15-29

## 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 B4C2108 - EPA 5030B (Water)

#### Blank (B4C2108-BLK1)

Prepared: 03/21/2024 Analyzed: 03/21/2024

1,2,4-Trimethylbenzene	ND	2.00	ug/L							Ua
1,3,5-Trimethylbenzene	ND	2.00	"							Ua
Benzene	ND	1.00	"							Ua
Ethylbenzene	ND	1.00	"							Ua
Naphthalene	ND	2.00	"							Ua
Toluene	ND	1.00	"							Ua
Xylenes, total	ND	1.00	"							Ua
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		99.0	70-130			
Surrogate: Toluene-d8	64		"	62.5		103	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	70-130			

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330 Grand Ave. Unit C  
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Chelsea Vertyer  
Project Number: [none]  
Project: Chevron - Barton C15-29

**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 B4C2108 - EPA 5030B (Water)

**LCS (B4C2108-BS1)**

Prepared: 03/21/2024 Analyzed: 03/21/2024

1,2,4-Trimethylbenzene	52.0	2.00	ug/L	50.0		104	70-130			
1,3,5-Trimethylbenzene	54.4	2.00	"	50.0		109	70-130			
Benzene	50.7	1.00	"	50.0		101	70-130			
Ethylbenzene	53.0	1.00	"	50.0		106	70-130			
m,p-Xylene	108	2.00	"	100		108	70-130			
Naphthalene	53.0	2.00	"	50.0		106	70-130			
o-Xylene	49.6	1.00	"	50.0		99.1	70-130			
Toluene	52.5	1.00	"	50.0		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		98.0	70-130			
Surrogate: Toluene-d8	64		"	62.5		103	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		95.8	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 Vertyer  
Project Number: [none]  
Project: Chevron - Barton C15-29

**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 B4C2108 - EPA 5030B (Water)

Matrix Spike (B4C2108-MS1)

Source: Y403509-01

Prepared: 03/21/2024 Analyzed: 03/21/2024

1,2,4-Trimethylbenzene	54.7	2.00	ug/L	50.0	ND	109	70-130			
1,3,5-Trimethylbenzene	58.9	2.00	"	50.0	ND	118	70-130			
Benzene	50.3	1.00	"	50.0	ND	101	70-130			
Ethylbenzene	59.2	1.00	"	50.0	ND	118	70-130			
m,p-Xylene	113	2.00	"	100	ND	113	70-130			
Naphthalene	41.2	2.00	"	50.0	ND	82.3	70-130			
o-Xylene	49.4	1.00	"	50.0	ND	98.9	70-130			
Toluene	54.1	1.00	"	50.0	ND	108	70-130			
Surrogate: 1,2-Dichloroethane-d4	52		"	62.5		83.9	70-130			
Surrogate: Toluene-d8	67		"	62.5		106	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.4	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 Vertyer  
Project Number: [none]  
Project: Chevron - Barton C15-29

## 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 B4C2108 - EPA 5030B (Water)

#### Matrix Spike Dup (B4C2108-MSD1)

Source: Y403509-01

Prepared: 03/21/2024 Analyzed: 03/21/2024

1,2,4-Trimethylbenzene	51.5	2.00	ug/L	50.0	ND	103	70-130	6.10	20	
1,3,5-Trimethylbenzene	54.5	2.00	"	50.0	ND	109	70-130	7.65	20	
Benzene	50.5	1.00	"	50.0	ND	101	70-130	0.457	20	
Ethylbenzene	53.2	1.00	"	50.0	ND	106	70-130	10.6	20	
m,p-Xylene	103	2.00	"	100	ND	103	70-130	8.81	20	
Naphthalene	49.1	2.00	"	50.0	ND	98.1	70-130	17.5	20	
o-Xylene	45.4	1.00	"	50.0	ND	90.8	70-130	8.48	20	
Toluene	52.7	1.00	"	50.0	ND	105	70-130	2.59	20	
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		96.0	70-130			
Surrogate: Toluene-d8	64		"	62.5		103	70-130			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		93.6	70-130			

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Chelsea Vertyer  
Project Number: [none]  
Project: Chevron - Barton C15-29

**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 B4C2159 - EPA 5030 (soil)**

**Blank (B4C2159-BLK1)**

Prepared: 03/21/2024 Analyzed: 03/23/2024

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	0.13		"	0.125		104	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	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  
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Chelsea Vertyer  
Project Number: [none]  
Project: Chevron - Barton C15-29

**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 B4C2159 - EPA 5030 (soil)**

**LCS (B4C2159-BS1)**

Prepared: 03/21/2024 Analyzed: 03/23/2024

1,2,4-Trimethylbenzene	0.110	0.00200	mg/kg	0.100		110	70-130			
1,3,5-Trimethylbenzene	0.114	0.00200	"	0.100		114	70-130			
Benzene	0.112	0.00200	"	0.100		112	70-130			
Ethylbenzene	0.116	0.00200	"	0.100		116	70-130			
Naphthalene	0.114	0.00380	"	0.100		114	70-130			
Toluene	0.113	0.00200	"	0.100		113	70-130			
o-Xylene	0.108	0.00200	"	0.100		108	70-130			
m,p-Xylene	0.233	0.00400	"	0.200		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		102	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		92.9	70-130			

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Jordan A. Bynon For Jen Pellegrini, Project Manager



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Grand Junction CO 81501

Chelsea Vertyer  
Project Number: [none]  
Project: Chevron - Barton C15-29

## 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 B4C2159 - EPA 5030 (soil)

Matrix Spike (B4C2159-MS1)

Source: Y403528-01

Prepared: 03/21/2024 Analyzed: 03/23/2024

1,2,4-Trimethylbenzene	0.0899	0.00200	mg/kg	0.100	0.00174	88.2	70-130			
1,3,5-Trimethylbenzene	0.201	0.00200	"	0.100	0.0649	136	70-130			QM-07
Benzene	0.0974	0.00200	"	0.100	ND	97.4	70-130			
Ethylbenzene	0.117	0.00200	"	0.100	ND	117	70-130			
Naphthalene	0.0720	0.00380	"	0.100	0.00222	69.8	70-130			QM-07
Toluene	0.101	0.00200	"	0.100	ND	101	70-130			
o-Xylene	0.120	0.00200	"	0.100	0.00612	114	70-130			
m,p-Xylene	0.228	0.00400	"	0.200	ND	114	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12	"	"	0.125		97.0	70-130			
Surrogate: Toluene-d8	0.14	"	"	0.125		108	70-130			
Surrogate: 4-Bromofluorobenzene	0.13	"	"	0.125		107	70-130			

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Chelsea Vertyer  
Project Number: [none]  
Project: Chevron - Barton C15-29

## 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 B4C2159 - EPA 5030 (soil)

#### Matrix Spike Dup (B4C2159-MSD1)

Source: Y403528-01

Prepared: 03/21/2024 Analyzed: 03/23/2024

1,2,4-Trimethylbenzene	0.0727	0.00200	mg/kg	0.100	0.00174	70.9	70-130	21.2	20	QR-02
1,3,5-Trimethylbenzene	0.142	0.00200	"	0.100	0.0649	77.5	70-130	34.0	20	QR-02
Benzene	0.0897	0.00200	"	0.100	ND	89.7	70-130	8.29	20	
Ethylbenzene	0.0963	0.00200	"	0.100	ND	96.3	70-130	19.3	20	
Naphthalene	0.0708	0.00380	"	0.100	0.00222	68.6	70-130	1.68	20	QM-07
Toluene	0.0916	0.00200	"	0.100	ND	91.6	70-130	10.1	20	
o-Xylene	0.102	0.00200	"	0.100	0.00612	95.4	70-130	16.6	20	
m,p-Xylene	0.184	0.00400	"	0.200	ND	91.8	70-130	21.5	20	QR-02
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		107	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		105	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

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Grand Junction CO 81501

Chelsea Vertyer  
Project Number: [none]  
Project: Chevron - Barton C15-29

**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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**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 B4C2142 - EPA 3050B**

**Blank (B4C2142-BLK1)**

Prepared: 03/21/2024 Analyzed: 03/28/2024

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 (B4C2142-BS1)**

Prepared: 03/21/2024 Analyzed: 03/28/2024

Arsenic	5.92	0.290	mg/kg	5.00	118	80-120
Barium	564	10.0	"	500	113	80-120
Cadmium	5.66	0.100	"	5.00	113	80-120
Copper	58.5	10.0	"	50.0	117	80-120
Lead	5.21	1.00	"	5.00	104	80-120
Nickel	5.75	1.00	"	5.00	115	80-120
Selenium	10.4	0.260	"	9.50	109	80-120
Silver	5.77	0.100	"	5.00	115	80-120
Zinc	50.5	37.0	"	50.0	101	80-120

**Matrix Spike (B4C2142-MS1)**

**Source: Y403528-01**

Prepared: 03/21/2024 Analyzed: 03/28/2024

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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 Vertyer  
Project Number: [none]  
Project: Chevron - Barton C15-29

## 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 B4C2142 - EPA 3050B

#### Matrix Spike (B4C2142-MS1)

Source: Y403528-01

Prepared: 03/21/2024 Analyzed: 03/28/2024

Arsenic	8.90	0.272	mg/kg	4.69	2.93	127	75-125			QM-07
Barium	591	9.37	"	469	90.6	107	75-125			
Cadmium	5.61	0.0937	"	4.69	0.301	113	75-125			
Copper	64.9	9.37	"	46.9	12.0	113	75-125			
Lead	22.0	0.937	"	4.69	30.3	NR	75-125			QM-07
Nickel	14.3	0.937	"	4.69	8.23	130	75-125			QM-07
Selenium	10.2	0.244	"	8.90	0.360	110	75-125			
Silver	5.48	0.0937	"	4.69	0.0206	116	75-125			
Zinc	118	34.7	"	46.9	65.4	113	75-125			

#### Matrix Spike Dup (B4C2142-MSD1)

Source: Y403528-01

Prepared: 03/21/2024 Analyzed: 03/28/2024

Arsenic	8.76	0.278	mg/kg	4.80	2.93	122	75-125	1.57	20	
Barium	634	9.60	"	480	90.6	113	75-125	6.95	20	
Cadmium	5.91	0.0960	"	4.80	0.301	117	75-125	5.20	20	
Copper	68.2	9.60	"	48.0	12.0	117	75-125	4.91	20	
Lead	42.6	0.960	"	4.80	30.3	257	75-125	63.6	20	QM-07, QR-02
Nickel	13.8	0.960	"	4.80	8.23	115	75-125	4.20	20	
Selenium	10.5	0.249	"	9.12	0.360	112	75-125	3.41	20	
Silver	5.66	0.0960	"	4.80	0.0206	118	75-125	3.37	20	
Zinc	138	35.5	"	48.0	65.4	152	75-125	15.8	20	QM-07

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

Chelsea Vertyer  
Project Number: [none]  
Project: Chevron - Barton C15-29

## 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 B4C2221 - EPA 3580

#### Blank (B4C2221-BLK1)

Prepared: 03/22/2024 Analyzed: 03/26/2024

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	200		ug/kg	200		101	60-130
Surrogate: Anthracene-d10	180		"	200		90.9	60-130
Surrogate: Pyrene-d10	190		"	200		92.9	60-130
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.5	60-130

#### LCS (B4C2221-BS1)

Prepared: 03/22/2024 Analyzed: 03/26/2024

1-Methylnaphthalene	0.194	0.002	mg/kg	0.200		96.8	70-130
2-Methylnaphthalene	0.192	0.002	"	0.200		95.8	70-130
Acenaphthene	0.197	0.020	"	0.200		98.3	70-130
Anthracene	0.183	0.020	"	0.200		91.3	70-130

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330 Grand Ave. Unit C  
Grand Junction CO 81501

Chelsea Vertyer  
Project Number: [none]  
Project: Chevron - Barton C15-29

## 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 B4C2221 - EPA 3580

#### LCS (B4C2221-BS1)

Prepared: 03/22/2024 Analyzed: 03/26/2024

Benzo (a) anthracene	0.191	0.005	mg/kg	0.200		95.4	70-130
Benzo (a) pyrene	0.182	0.020	"	0.200		91.2	70-130
Benzo (b) fluoranthene	0.202	0.020	"	0.200		101	70-130
Benzo (g,h,i) perylene	0.194	0.020	"	0.200		96.8	70-130
Benzo (k) fluoranthene	0.188	0.020	"	0.200		94.0	70-130
Chrysene	0.188	0.020	"	0.200		93.8	70-130
Dibenz (a,h) anthracene	0.217	0.020	"	0.200		109	70-130
Fluoranthene	0.172	0.020	"	0.200		85.8	70-130
Fluorene	0.197	0.020	"	0.200		98.3	70-130
Indeno (1,2,3-cd) pyrene	0.199	0.020	"	0.200		99.3	70-130
Naphthalene	0.201	0.002	"	0.200		100	70-130
Phenanthrene	0.188	0.020	"	0.200		93.9	70-130
Pyrene	0.191	0.020	"	0.200		95.5	70-130
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130
Surrogate: Anthracene-d10	190		"	200		93.8	60-130
Surrogate: Pyrene-d10	200		"	200		97.9	60-130
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130

#### Matrix Spike (B4C2221-MS1)

Source: Y403505-01

Prepared: 03/22/2024 Analyzed: 03/27/2024

1-Methylnaphthalene	0.187	0.002	mg/kg	0.200	0.0007	93.1	70-130
2-Methylnaphthalene	0.187	0.002	"	0.200	0.001	92.8	70-130
Acenaphthene	0.198	0.020	"	0.200	0.011	93.7	70-130
Anthracene	0.216	0.020	"	0.200	0.030	92.9	70-130
Benzo (a) anthracene	0.225	0.005	"	0.200	0.036	94.2	70-130
Benzo (a) pyrene	0.194	0.020	"	0.200	0.025	84.6	70-130
Benzo (b) fluoranthene	0.228	0.020	"	0.200	0.028	100	70-130
Benzo (g,h,i) perylene	0.215	0.020	"	0.200	0.019	97.8	70-130

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330 Grand Ave. Unit C  
Grand Junction CO 81501

Chelsea Vertyer  
Project Number: [none]  
Project: Chevron - Barton C15-29

## 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 B4C2221 - EPA 3580

#### Matrix Spike (B4C2221-MS1)

Source: Y403505-01

Prepared: 03/22/2024 Analyzed: 03/27/2024

Benzo (k) fluoranthene	0.200	0.020	mg/kg	0.200	0.012	93.9	70-130			
Chrysene	0.229	0.020	"	0.200	0.043	93.3	70-130			
Dibenz (a,h) anthracene	0.199	0.020	"	0.200	0.008	95.3	70-130			
Fluoranthene	0.280	0.020	"	0.200	0.112	83.8	70-130			
Fluorene	0.205	0.020	"	0.200	0.016	94.4	70-130			
Indeno (1,2,3-cd) pyrene	0.195	0.020	"	0.200	0.018	88.5	70-130			
Naphthalene	0.195	0.002	"	0.200	0.002	96.7	70-130			
Phenanthrene	0.292	0.020	"	0.200	0.128	82.2	70-130			
Pyrene	0.278	0.020	"	0.200	0.090	94.1	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	190		"	200		93.5	60-130			
Surrogate: Pyrene-d10	210		"	200		104	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130			

#### Matrix Spike Dup (B4C2221-MSD1)

Source: Y403505-01

Prepared: 03/22/2024 Analyzed: 03/27/2024

1-Methylnaphthalene	0.192	0.002	mg/kg	0.200	0.0007	95.7	70-130	2.74	20	
2-Methylnaphthalene	0.192	0.002	"	0.200	0.001	95.2	70-130	2.55	20	
Acenaphthene	0.202	0.020	"	0.200	0.011	95.7	70-130	2.02	20	
Anthracene	0.194	0.020	"	0.200	0.030	82.3	70-130	10.3	20	
Benzo (a) anthracene	0.200	0.005	"	0.200	0.036	81.8	70-130	11.7	20	
Benzo (a) pyrene	0.193	0.020	"	0.200	0.025	83.9	70-130	0.753	20	
Benzo (b) fluoranthene	0.225	0.020	"	0.200	0.028	98.6	70-130	1.28	20	
Benzo (g,h,i) perylene	0.208	0.020	"	0.200	0.019	94.3	70-130	3.27	20	
Benzo (k) fluoranthene	0.208	0.020	"	0.200	0.012	98.3	70-130	4.34	20	
Chrysene	0.212	0.020	"	0.200	0.043	84.9	70-130	7.58	20	
Dibenz (a,h) anthracene	0.188	0.020	"	0.200	0.008	89.8	70-130	5.68	20	
Fluoranthene	0.248	0.020	"	0.200	0.112	68.2	70-130	11.9	20	QM-07

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330 Grand Ave. Unit C  
Grand Junction CO 81501

Chelsea Vertyer  
Project Number: [none]  
Project: Chevron - Barton C15-29

**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 B4C2221 - EPA 3580**

**Matrix Spike Dup (B4C2221-MSD1)**

**Source: Y403505-01**

Prepared: 03/22/2024 Analyzed: 03/27/2024

Fluorene	0.205	0.020	mg/kg	0.200	0.016	94.3	70-130	0.131	20	
Indeno (1,2,3-cd) pyrene	0.239	0.020	"	0.200	0.018	110	70-130	20.2	20	QR-02
Naphthalene	0.200	0.002	"	0.200	0.002	99.0	70-130	2.35	20	
Phenanthrene	0.265	0.020	"	0.200	0.128	68.6	70-130	9.80	20	QM-07
Pyrene	0.254	0.020	"	0.200	0.090	82.1	70-130	9.02	20	
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	190		"	200		93.7	60-130			
Surrogate: Pyrene-d10	210		"	200		104	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	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 Vertyer  
Project Number: [none]  
Project: Chevron - Barton C15-29

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B4C2016 - NO PREP</b>										
<b>Blank (B4C2016-BLK1)</b>					Prepared: 03/20/2024 Analyzed: 03/25/2024					
Total Dissolved Solids	ND	5.00	mg/L							
<b>LCS (B4C2016-BS1)</b>					Prepared: 03/20/2024 Analyzed: 03/25/2024					
Total Dissolved Solids	958	5.00	mg/L	1030		93.0	90-110			
<b>Duplicate (B4C2016-DUP1)</b>					Prepared: 03/20/2024 Analyzed: 03/25/2024					
Total Dissolved Solids	2130	5.00	mg/L		2070			2.48	10	
<b>Batch B4C2105 - Filter .45um non acidified</b>										
<b>Blank (B4C2105-BLK1)</b>					Prepared: 03/21/2024 Analyzed: 03/21/2024					
Chloride	ND	0.250	mg/L							
Sulfate	ND	0.250	"							
<b>LCS (B4C2105-BS1)</b>					Prepared: 03/21/2024 Analyzed: 03/21/2024					
Chloride	3.95	0.250	mg/L	4.00		98.7	90-110			
Sulfate	4.00	0.250	"	4.00		100	90-110			
<b>Matrix Spike (B4C2105-MS1)</b>					Prepared: 03/21/2024 Analyzed: 03/21/2024					
Chloride	550		mg/L	500	53.9	99.2	90-110			
Sulfate	707		"	500	202	101	90-110			
<b>Matrix Spike Dup (B4C2105-MSD1)</b>					Prepared: 03/21/2024 Analyzed: 03/21/2024					
Chloride	556		mg/L	500	53.9	100	90-110	1.18	5	
Sulfate	716		"	500	202	103	90-110	1.25	5	

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Grand Junction CO 81501

Chelsea Vertyer  
Project Number: [none]  
Project: Chevron - Barton C15-29

## 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 B4C2214 - Saturated Paste Metals

#### Blank (B4C2214-BLK1)

Prepared: 03/22/2024 Analyzed: 03/27/2024

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 (B4C2214-DUP1)

Source: Y403505-01

Prepared: 03/22/2024 Analyzed: 03/27/2024

Calcium PPM	99.6	10.0	mg/L	109	9.09	50
SAR	ND	0.0100	SAR	1.96		200
Magnesium PPM	44.9	10.0	mg/L	48.5	7.74	50
Sodium PPM	97.0	10.0	"	98.0	0.933	50

### Batch B4C2220 - DTPA Sorbitol Preparation

#### Blank (B4C2220-BLK1)

Prepared: 03/22/2024 Analyzed: 03/26/2024

Boron	ND	0.100	mg/L
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#### Duplicate (B4C2220-DUP1)

Source: Y403511-01

Prepared: 03/22/2024 Analyzed: 03/26/2024

Boron	0.989	0.0996	mg/L	0.928	6.42	50
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330 Grand Ave. Unit C  
Grand Junction CO 81501

Chelsea Vertyer  
Project Number: [none]  
Project: Chevron - Barton C15-29

**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 B4C2215 - Saturated Paste pH/EC**

**Blank (B4C2215-BLK1)**

Prepared: 03/22/2024 Analyzed: 03/23/2024

Specific Conductance (EC) ND 0.00500 mmhos/cm

**Duplicate (B4C2215-DUP1)**

**Source: Y403505-01**

Prepared: 03/22/2024 Analyzed: 03/23/2024

Specific Conductance (EC)	1.36	0.00500	mmhos/cm	1.42		4.21	25
pH	7.97		pH Units	8.00		0.376	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 Vertyer  
Project Number: [none]  
Project: Chevron - Barton C15-29

**Total Metals by 200.8 - 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 2594476 - EPA 200.2**

**BLANK (1205698851-BLK)**

Prepared: 04/11/2024 Analyzed: 04/12/2024

Sodium	ND	2.50	mg/L			-				U
Potassium	ND	3.00	"			-				U

**LCS (1205698852-BKS)**

Prepared: 04/11/2024 Analyzed: 04/12/2024

Sodium	20.3	2.50	mg/L	20.0		102	85-115			
Potassium	20.8	3.00	"	20.0		104	85-115			

**DUP (1205698853 D)**

**Source: Y403530-06**

Prepared: 04/11/2024 Analyzed: 04/12/2024

Potassium	92.1	3.00	mg/L		91.4		0-20	0.753	20	
Sodium	550	50.0	"		553		0-20	0.388	20	

**MS (1205698854 S)**

**Source: Y403530-06**

Prepared: 04/11/2024 Analyzed: 04/12/2024

Potassium	113	3.00	mg/L	20.0	91.4	0	75-125			
Sodium	570	50.0	"	20.0	553	0	75-125			

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 Vertyer  
Project Number: [none]  
Project: Chevron - Barton C15-29

**Alkalinity by SM 2320B - 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 2587744 -

**LCS (1205686968-BKS)**

Prepared: Analyzed: 03/27/2024

Alkalinity, Total as CaCO3	51.5	2.00	mg/L	50.0	103	90-110
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**LCSD (1205686970-BKSD)**

Prepared: Analyzed: 03/27/2024

Alkalinity, Total as CaCO3	50.0	2.00	mg/L	50.0	100	90-110	2.96	20
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Origins Laboratory, Inc.

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Jordan A. Bynon For Jen Pellegrini, Project Manager



Entrada Consulting Group  
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Grand Junction CO 81501

Chelsea Vertyer  
Project Number: [none]  
Project: Chevron - Barton C15-29

## Total Metals by 7196A - Quality Control GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 2586036 - SW846 3060A</b>										
<b>BLANK (1205682652-BLK)</b>					Prepared: 03/22/2024 Analyzed: 03/22/2024					
Hexavalent Chromium	ND	0.347	mg/kg				-			U
<b>LCS (1205682653-BKS)</b>					Prepared: 03/22/2024 Analyzed: 03/22/2024					
Hexavalent Chromium	3.48	0.342	mg/kg	3.42		102	80-120			
<b>DUP (1205682654 D)</b>					Prepared: 03/22/2024 Analyzed: 03/22/2024					
Hexavalent Chromium	ND	0.433	mg/kg dry		<0.173		0-50	N/A	50	U
<b>MS (1205682655 S)</b>					Prepared: 03/22/2024 Analyzed: 03/22/2024					
Hexavalent Chromium	2.91	0.433	mg/kg dry	4.33	<0.173	67.1	75-125			
<b>DUP (1205682656 D)</b>					Prepared: 03/22/2024 Analyzed: 03/22/2024					
Hexavalent Chromium	ND	0.323	mg/kg dry		<0.129		0-50	N/A	50	U
<b>MS (1205682657 S)</b>					Prepared: 03/22/2024 Analyzed: 03/22/2024					
Hexavalent Chromium	2.10	0.323	mg/kg dry	3.23	<0.129	61.8	75-125			
<b>ILCS (1205682658-ILCS)</b>					Prepared: 03/22/2024 Analyzed: 03/22/2024					
Hexavalent Chromium	6.18	0.306	mg/kg	6.19		99.8	80-120			

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Grand Junction CO 81501

Chelsea Vertyer  
Project Number: [none]  
Project: Chevron - Barton C15-29

## Notes and Definitions

Ua Sample is Non-Detect.

U Result not detected above the detection limit

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.

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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