

ORIGINS LABORATORY

Entrada Consulting Group

Chelsea Veryser

330 Grand Ave. Unit C

Grand Junction CO 81501

January 07, 2025

Project Name - **Chevron - Reichet 09-05** Project Number - **[none]**

Attached are your analytical results for Chevron - Reichet 09-05 received by Origins Laboratory November 26, 2024. This project is associated with Origins project number E4K0872-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows: "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory
303.433.1322
projectmanager@originslab.com



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



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

Chelsea Verysen
Project Number: [none]
Project: Chevron - Reichet 09-05

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH01@6	E4K0872-01	Soil	November 26, 2024 14:00	11/26/2024 15:53
BKG01@4	E4K0872-02	Soil	November 26, 2024 14:10	11/26/2024 15:53
BKG01@6	E4K0872-03	Soil	November 26, 2024 14:20	11/26/2024 15:53
BKG02@4	E4K0872-04	Soil	November 26, 2024 14:30	11/26/2024 15:53
BKG02@6	E4K0872-05	Soil	November 26, 2024 14:40	11/26/2024 15:53
BKG03@4	E4K0872-06	Soil	November 26, 2024 14:50	11/26/2024 15:53
BKG03@6	E4K0872-07	Soil	November 26, 2024 15:00	11/26/2024 15:53

Origins Laboratory

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ORIGINS LABORATORY

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

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Reichet 09-05

ORIGINS LABORATORY INC.

Client: Entrada Consulting Group
 Address: _____
 Telephone Number: 970-237-5122
 Email Address: Entrada@EntradaConsulting.com


Project Manager: Chelsea Verysen
 Project Name: Reichert q.s
 Project Number: _____

Collected By: Nick Ward
 Invoice Billing Info: _____
 S-Soil | SO-Solid | O-Oil | A-Air | G-Gas | U-UV-Injures | HCl = Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH= Sodium Hydroxide
 W-Waste Water | W-Waste Water | L-Liquid

1725 Elk Place Denver, Co. 80211 | # 303.493.1322 | originslab.com | Temp Received - 46 Received on lot? Yes No
 For Lab Sample Receiving Only:

#	Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix Preservation	Analysis					Comments
						Oil Table	TEO	STP	SO	STB	
1	W10106	11/24/24	11:00	2	NONE	X	X	X	X	X	
2	RLA0106										
3	RLA0106					X	X	X	X	X	
4	RLA0206										
5	RLA0206										
6	RLA0501										
7	RLA0506										
8											
9											
10											

Requisitioned By: _____ Date: 11/24/24 Time: 1553
 Received By: _____ Date: 11/20/24 Time: 1553
 Turnaround Time: 48 Hr 72 Hr SAME DAY

Origins Laboratory


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

Chelsea Verysen
Project Number: [none]
Project: Chevron - Reichet 09-05

Origins Laboratory

Sample Receipt Checklist

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

Origins Work Order: EUN0872

Client: Entrada

Client Project ID: Reichert

Checklist Completed by: ZHO

Shipped Via: HO

Date/time completed: 11/26/24

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Airbill #: N/A

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

Water

Other:

Cooler Number/Temperature: 1/14.0°C / °C / °C (Describe) °C

Thermometer ID: 7007

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 type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input 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"/>	<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"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input 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"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input 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"/>	<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"/>	<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 analyses in order to insure sample integrity) (pH < 2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>	<input 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 in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) AD

12/2/24
Date/Time Reviewed

Origins Laboratory



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

Chelsea Verysen
Project Number: [none]
Project: Chevron - Reichet 09-05

WH01@6

11/26/2024 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4K0872-01 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.0995	mg/L	1	B4L0212	12/02/2024	12/03/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4L0235	12/02/2024	12/03/2024	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	72.1 %		50-150	"	"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4L0233	12/02/2024	12/03/2024	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %		70-130	"	"	"	"	"	
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Entrada Consulting Group
330 Grand Ave. Unit C
Grand Junction CO 81501

Chelsea Verysen
Project Number: [none]
Project: Chevron - Reichet 09-05

WH01@6

11/26/2024 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4K0872-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	105 %		70-130			B4L02 33	12/02/2024	12/03/2024	
Surrogate: 4-Bromofluorobenzene	92.8 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	12/02/2024	12/03/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	1.24		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4L0434	12/04/2024	12/05/2024	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
Chrysene	ND		0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U
Fluoranthene	ND		0.020	"	"	"	"	"	U

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330 Grand Ave. Unit C
Grand Junction CO 81501

Chelsea Verysen
Project Number: [none]
Project: Chevron - Reichet 09-05

WH01@6

11/26/2024 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4K0872-01 (Soil)

PAH by EPA 8270E extracted via 3580A

Fluorene	ND	0.020	mg/kg	1	B4L0434	12/04/2024	12/05/2024	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	101 %	60-130	"	"	"	"	"	"
Surrogate: Anthracene-d10	97.7 %	60-130	"	"	"	"	"	"
Surrogate: Pyrene-d10	103 %	60-130	"	"	"	"	"	"
Surrogate: Benzo (a) pyrene-d12	102 %	60-130	"	"	"	"	"	"

pH in Soil by 9045D

pH	8.74	pH Units	1	B4L0226	12/02/2024	12/03/2024
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SAR by 20B Saturated Paste

SAR	2.75	0.0100	SAR	1	B4L0219	12/02/2024	12/03/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.304	0.00500	mmhos/cm	1	B4L0226	12/02/2024	12/03/2024
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Table 915 metals by EPA 6020B

Origins Laboratory



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

Chelsea Verysen
Project Number: [none]
Project: Chevron - Reichet 09-05

WH01@6

11/26/2024 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4K0872-01 (Soil)

Table 915 metals by EPA 6020B

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Arsenic	1.14	0.245	0.245	mg/kg	10	B4K2739	11/27/2024	12/06/2024	
Barium	32.0	8.43	8.43	"	"	"	"	"	
Cadmium	ND	0.0843	0.0843	"	"	"	"	"	
Copper	ND	8.43	8.43	"	"	"	"	"	
Lead	4.01	0.843	0.843	"	"	"	"	"	
Nickel	3.44	0.843	0.843	"	"	"	"	"	
Selenium	ND	0.219	0.219	"	"	"	"	"	
Silver	ND	0.0843	0.0843	"	"	"	"	"	
Zinc	ND	31.2	31.2	"	"	"	"	"	

Total Metals by SW7199

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Chromium, Hexavalent	ND	0.20	0.20	mg/kg	1	BHL0332	12/06/2024	12/11/2024	

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

Chelsea Verysen
Project Number: [none]
Project: Chevron - Reichet 09-05

BKG01@4

11/26/2024 2:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4K0872-02 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.101	mg/L	1	B4L0212	12/02/2024	12/03/2024
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Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	12/02/2024	12/03/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	2.69	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.53		pH Units	1	B4L0226	12/02/2024	12/03/2024
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SAR by 20B Saturated Paste

SAR	7.65	0.0100	SAR	1	B4L0219	12/02/2024	12/03/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.339	0.00500	mmhos/cm	1	B4L0226	12/02/2024	12/03/2024
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Table 915 metals by EPA 6020B

Arsenic	1.62	0.278	mg/kg	10	B4K2739	11/27/2024	12/06/2024
Barium	51.2	9.59	"	"	"	"	"
Cadmium	ND	0.0959	"	"	"	"	"

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

Chelsea Verysen
Project Number: [none]
Project: Chevron - Reichet 09-05

BKG01@4

11/26/2024 2:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4K0872-02 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		9.59	mg/kg	10	B4K2739	11/27/2024	12/06/2024	
Lead	4.98		0.959	"	"	"	"	"	
Nickel	4.98		0.959	"	"	"	"	"	
Selenium	ND		0.249	"	"	"	"	"	
Silver	ND		0.0959	"	"	"	"	"	
Zinc	ND		35.5	"	"	"	"	"	

Total Metals by SW7199

Chromium, Hexavalent	ND	0.20	0.20	mg/kg	1	BHL0332	12/06/2024	12/11/2024	
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Entrada Consulting Group
330 Grand Ave. Unit C
Grand Junction CO 81501

Chelsea Verysen
Project Number: [none]
Project: Chevron - Reichet 09-05

BKG01@6

11/26/2024 2:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4K0872-03 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.101	mg/L	1	B4L0212	12/02/2024	12/03/2024
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Metals by Saturated Paste by EPA 6010

Calcium	0.585	0.499	meq/L	10	[CALC]	12/02/2024	12/03/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	3.17	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.64		pH Units	1	B4L0226	12/02/2024	12/03/2024
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SAR by 20B Saturated Paste

SAR	4.96	0.0100	SAR	1	B4L0219	12/02/2024	12/03/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.465	0.00500	mmhos/cm	1	B4L0226	12/02/2024	12/03/2024
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Table 915 metals by EPA 6020B

Arsenic	1.42	0.270	mg/kg	10	B4K2739	11/27/2024	12/06/2024
Barium	46.1	9.31	"	"	"	"	"
Cadmium	ND	0.0931	"	"	"	"	"

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

Chelsea Verysen
Project Number: [none]
Project: Chevron - Reichet 09-05

BKG01@6

11/26/2024 2:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4K0872-03 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		9.31	mg/kg	10	B4K2739	11/27/2024	12/06/2024	
Lead	4.52		0.931	"	"	"	"	"	"
Nickel	4.19		0.931	"	"	"	"	"	"
Selenium	ND		0.242	"	"	"	"	"	"
Silver	ND		0.0931	"	"	"	"	"	"
Zinc	ND		34.4	"	"	"	"	"	"

Total Metals by SW7199

Chromium, Hexavalent	ND	0.20	0.20	mg/kg	1	BHL0416	12/11/2024	12/11/2024	
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Entrada Consulting Group
330 Grand Ave. Unit C
Grand Junction CO 81501

Chelsea Verysen
Project Number: [none]
Project: Chevron - Reichet 09-05

BKG02@4

11/26/2024 2:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4K0872-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.187	0.102	mg/L	1	B4L0212	12/02/2024	12/03/2024
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Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	12/02/2024	12/03/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.40	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.53		pH Units	1	B4L0226	12/02/2024	12/03/2024
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SAR by 20B Saturated Paste

SAR	3.93	0.0100	SAR	1	B4L0219	12/02/2024	12/03/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.176	0.00500	mmhos/cm	1	B4L0226	12/02/2024	12/03/2024
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Table 915 metals by EPA 6020B

Arsenic	1.32	0.246	mg/kg	10	B4K2739	11/27/2024	12/06/2024
Barium	45.9	8.49	"	"	"	"	"
Cadmium	ND	0.0849	"	"	"	"	"

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

Chelsea Verysen
Project Number: [none]
Project: Chevron - Reichet 09-05

BKG02@4

11/26/2024 2:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4K0872-04 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		8.49	mg/kg	10	B4K2739	11/27/2024	12/06/2024	
Lead	4.62		0.849	"	"	"	"	"	
Nickel	4.77		0.849	"	"	"	"	"	
Selenium	ND		0.221	"	"	"	"	"	
Silver	ND		0.0849	"	"	"	"	"	
Zinc	ND		31.4	"	"	"	"	"	

Total Metals by SW7199

Chromium, Hexavalent	ND	0.20	0.20	mg/kg	1	BHL0416	12/11/2024	12/11/2024	
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Origins Laboratory



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ORIGINS LABORATORY

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

Chelsea Verysen
Project Number: [none]
Project: Chevron - Reichet 09-05

BKG02@6

11/26/2024 2:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4K0872-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.101	0.0998	mg/L	1	B4L0212	12/02/2024	12/03/2024
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Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	12/02/2024	12/03/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.91	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.54		pH Units	1	B4L0226	12/02/2024	12/03/2024
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SAR by 20B Saturated Paste

SAR	7.21	0.0100	SAR	1	B4L0219	12/02/2024	12/03/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.258	0.00500	mmhos/cm	1	B4L0226	12/02/2024	12/03/2024
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Table 915 metals by EPA 6020B

Arsenic	1.50	0.261	mg/kg	10	B4K2739	11/27/2024	12/06/2024
Barium	42.7	8.99	"	"	"	"	"
Cadmium	ND	0.0899	"	"	"	"	"

Origins Laboratory



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

Chelsea Verysen
Project Number: [none]
Project: Chevron - Reichet 09-05

BKG02@6

11/26/2024 2:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4K0872-05 (Soil)

Table 915 metals by EPA 6020B

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Copper	ND		8.99	mg/kg	10	B4K2739	11/27/2024	12/06/2024	
Lead	4.52		0.899	"	"	"	"	"	
Nickel	4.66		0.899	"	"	"	"	"	
Selenium	ND		0.234	"	"	"	"	"	
Silver	ND		0.0899	"	"	"	"	"	
Zinc	ND		33.3	"	"	"	"	"	

Total Metals by SW7199

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Chromium, Hexavalent	ND	0.20	0.20	mg/kg	1	BHL0416	12/11/2024	12/11/2024	

Origins Laboratory



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ORIGINS LABORATORY

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

Chelsea Verysen
Project Number: [none]
Project: Chevron - Reichet 09-05

BKG03@4

11/26/2024 2:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4K0872-06 (Soil)

Boron (DTPA Sorbitol)

Boron	0.223	0.101	mg/L	1	B4L0212	12/02/2024	12/03/2024
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Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	12/02/2024	12/03/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	2.41	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.54		pH Units	1	B4L0226	12/02/2024	12/03/2024
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SAR by 20B Saturated Paste

SAR	5.25	0.0100	SAR	1	B4L0219	12/02/2024	12/03/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.277	0.00500	mmhos/cm	1	B4L0226	12/02/2024	12/03/2024
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Table 915 metals by EPA 6020B

Arsenic	1.79	0.272	mg/kg	10	B4K2739	11/27/2024	12/06/2024
Barium	55.2	9.39	"	"	"	"	"
Cadmium	ND	0.0939	"	"	"	"	"

Origins Laboratory



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

Chelsea Verysen
Project Number: [none]
Project: Chevron - Reichet 09-05

BKG03@4

11/26/2024 2:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4K0872-06 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		9.39	mg/kg	10	B4K2739	11/27/2024	12/06/2024	
Lead	5.20		0.939	"	"	"	"	"	"
Nickel	4.96		0.939	"	"	"	"	"	"
Selenium	ND		0.244	"	"	"	"	"	"
Silver	ND		0.0939	"	"	"	"	"	"
Zinc	ND		34.7	"	"	"	"	"	"

Total Metals by SW7199

Chromium, Hexavalent	ND	0.20	0.20	mg/kg	1	BHL0416	12/11/2024	12/11/2024	
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Entrada Consulting Group
330 Grand Ave. Unit C
Grand Junction CO 81501

Chelsea Verysen
Project Number: [none]
Project: Chevron - Reichet 09-05

BKG03@6

11/26/2024 3:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4K0872-07 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.101	mg/L	1	B4L0212	12/02/2024	12/03/2024
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Metals by Saturated Paste by EPA 6010

Calcium	0.575	0.499	meq/L	10	[CALC]	12/02/2024	12/03/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	3.18	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.59		pH Units	1	B4L0226	12/02/2024	12/03/2024
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SAR by 20B Saturated Paste

SAR	5.03	0.0100	SAR	1	B4L0219	12/02/2024	12/03/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.490	0.00500	mmhos/cm	1	B4L0226	12/02/2024	12/03/2024
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Table 915 metals by EPA 6020B

Arsenic	1.63	0.254	mg/kg	10	B4K2739	11/27/2024	12/06/2024
Barium	43.9	8.77	"	"	"	"	"
Cadmium	ND	0.0877	"	"	"	"	"

Origins Laboratory



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

Chelsea Verysen
Project Number: [none]
Project: Chevron - Reichet 09-05

BKG03@6

11/26/2024 3:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory E4K0872-07 (Soil)

Table 915 metals by EPA 6020B

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Copper	ND		8.77	mg/kg	10	B4K2739	11/27/2024	12/06/2024	
Lead	4.63		0.877	"	"	"	"	"	
Nickel	4.38		0.877	"	"	"	"	"	
Selenium	ND		0.228	"	"	"	"	"	
Silver	ND		0.0877	"	"	"	"	"	
Zinc	ND		32.5	"	"	"	"	"	

Total Metals by SW7199

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Chromium, Hexavalent	ND	0.20	0.20	mg/kg	1	BHL0416	12/11/2024	12/11/2024	

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 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Reichet 09-05

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4L0233 - EPA 5030 (soil)

Blank (B4L0233-BLK1)

Prepared: 12/02/2024 Analyzed: 12/02/2024

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.3	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		104	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.5	70-130			

Origins Laboratory

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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Reichet 09-05

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4L0233 - EPA 5030 (soil)

LCS (B4L0233-BS1)

Prepared: 12/02/2024 Analyzed: 12/02/2024

1,2,4-Trimethylbenzene	0.106	0.00200	mg/kg	0.100		106	70-130			
1,3,5-Trimethylbenzene	0.109	0.00200	"	0.100		109	70-130			
Benzene	0.0933	0.00200	"	0.100		93.3	70-130			
Ethylbenzene	0.110	0.00200	"	0.100		110	70-130			
Naphthalene	0.100	0.00380	"	0.100		100	70-130			
Toluene	0.0991	0.00200	"	0.100		99.1	70-130			
o-Xylene	0.107	0.00200	"	0.100		107	70-130			
m,p-Xylene	0.220	0.00400	"	0.200		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		91.0	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		104	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

Origins Laboratory

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

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Reichet 09-05

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4L0233 - EPA 5030 (soil)

Matrix Spike (B4L0233-MS1)

Source: E4K0864-01

Prepared: 12/02/2024 Analyzed: 12/02/2024

1,2,4-Trimethylbenzene	0.0988	0.00200	mg/kg	0.100	ND	98.8	70-130			
1,3,5-Trimethylbenzene	0.100	0.00200	"	0.100	ND	100	70-130			
Benzene	0.0898	0.00200	"	0.100	ND	89.8	70-130			
Ethylbenzene	0.102	0.00200	"	0.100	ND	102	70-130			
Naphthalene	0.101	0.00380	"	0.100	ND	101	70-130			
Toluene	0.0928	0.00200	"	0.100	ND	92.8	70-130			
o-Xylene	0.0999	0.00200	"	0.100	ND	99.9	70-130			
m,p-Xylene	0.204	0.00400	"	0.200	ND	102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.9	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Reichet 09-05

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4L0233 - EPA 5030 (soil)

Matrix Spike Dup (B4L0233-MSD1)

Source: E4K0864-01

Prepared: 12/02/2024 Analyzed: 12/02/2024

1,2,4-Trimethylbenzene	0.0956	0.00200	mg/kg	0.100	ND	95.6	70-130	3.29	20	
1,3,5-Trimethylbenzene	0.0958	0.00200	"	0.100	ND	95.8	70-130	4.41	20	
Benzene	0.0883	0.00200	"	0.100	ND	88.3	70-130	1.71	20	
Ethylbenzene	0.0981	0.00200	"	0.100	ND	98.1	70-130	3.78	20	
Naphthalene	0.106	0.00380	"	0.100	ND	106	70-130	4.95	20	
Toluene	0.0892	0.00200	"	0.100	ND	89.2	70-130	3.91	20	
o-Xylene	0.0968	0.00200	"	0.100	ND	96.8	70-130	3.07	20	
m,p-Xylene	0.197	0.00400	"	0.200	ND	98.5	70-130	3.60	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		102	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	70-130			

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 Grand Junction CO 81501

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Reichet 09-05

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4L0235 - EPA 3550B										
Blank (B4L0235-BLK1)										
					Prepared: 12/02/2024 Analyzed: 12/03/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	19		"	24.9		76.7	50-150			

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Entrada Consulting Group
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 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Reichet 09-05

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4L0235 - EPA 3550B										
LCS (B4L0235-BS1)										
					Prepared: 12/02/2024 Analyzed: 12/03/2024					
Diesel (C10-C28)	762	50.0	mg/kg	1000		76.2	70-130			
Residual Range Organics (C28-C40)	814	200	"	1000		81.4	70-130			
Surrogate: o-Terphenyl	35		"	49.8		69.9	50-150			

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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Reichet 09-05

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4L0235 - EPA 3550B										
Matrix Spike (B4L0235-MS1)			Source: E4K0872-01			Prepared: 12/02/2024 Analyzed: 12/03/2024				
Diesel (C10-C28)	780	50.0	mg/kg	1000	ND	78.0	70-130			
Residual Range Organics (C28-C40)	844	200	"	1000	ND	84.4	70-130			
Surrogate: o-Terphenyl	35		"	49.8		70.4	50-150			

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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Reichet 09-05

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4L0235 - EPA 3550B										
Matrix Spike Dup (B4L0235-MSD1)			Source: E4K0872-01			Prepared: 12/02/2024 Analyzed: 12/03/2024				
Diesel (C10-C28)	768	50.0	mg/kg	1000	ND	76.8	70-130	1.49	35	
Residual Range Organics (C28-C40)	846	200	"	1000	ND	84.6	70-130	0.189	35	
Surrogate: o-Terphenyl	54		"	49.8		109	50-150			

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

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Reichet 09-05

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Metals by EPA 6000/7000 Series Methods - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4K2739 - EPA 3050B

Blank (B4K2739-BLK1)

Prepared: 11/27/2024 Analyzed: 12/06/2024

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 (B4K2739-BS1)

Prepared: 11/27/2024 Analyzed: 12/06/2024

Arsenic	5.75	0.290	mg/kg	5.00		115	80-120			
Barium	552	10.0	"	500		110	80-120			
Cadmium	5.84	0.100	"	5.00		117	80-120			
Copper	58.0	10.0	"	50.0		116	80-120			
Lead	5.96	1.00	"	5.00		119	80-120			
Nickel	5.87	1.00	"	5.00		117	80-120			
Selenium	5.78	0.260	"	5.00		116	80-120			
Silver	5.94	0.100	"	5.00		119	80-120			
Zinc	60.2	37.0	"	50.0		120	80-120			

Matrix Spike (B4K2739-MS1)

Source: E4K0842-06

Prepared: 11/27/2024 Analyzed: 12/06/2024

Origins Laboratory

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

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Reichet 09-05

Metals by EPA 6000/7000 Series Methods - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4K2739 - EPA 3050B

Matrix Spike (B4K2739-MS1)

Source: E4K0842-06

Prepared: 11/27/2024 Analyzed: 12/06/2024

Arsenic	7.58	0.266	mg/kg	4.59	2.89	102	75-125			
Barium	640	9.18	"	459	111	115	75-125			
Cadmium	5.45	0.0918	"	4.59	0.0942	117	75-125			
Copper	57.1	9.18	"	45.9	3.84	116	75-125			
Lead	10.5	0.918	"	4.59	5.65	106	75-125			
Nickel	9.60	0.918	"	4.59	4.61	109	75-125			
Selenium	5.22	0.239	"	4.59	0.0572	112	75-125			
Silver	5.52	0.0918	"	4.59	0.0219	120	75-125			
Zinc	73.8	34.0	"	45.9	20.9	115	75-125			

Matrix Spike Dup (B4K2739-MSD1)

Source: E4K0842-06

Prepared: 11/27/2024 Analyzed: 12/06/2024

Arsenic	7.36	0.272	mg/kg	4.69	2.89	95.3	75-125	2.94	20	
Barium	622	9.38	"	469	111	109	75-125	2.87	20	
Cadmium	5.38	0.0938	"	4.69	0.0942	113	75-125	1.30	20	
Copper	55.0	9.38	"	46.9	3.84	109	75-125	3.75	20	
Lead	10.2	0.938	"	4.69	5.65	96.8	75-125	3.22	20	
Nickel	9.38	0.938	"	4.69	4.61	102	75-125	2.27	20	
Selenium	4.90	0.244	"	4.69	0.0572	103	75-125	6.24	20	
Silver	5.38	0.0938	"	4.69	0.0219	114	75-125	2.59	20	
Zinc	70.7	34.7	"	46.9	20.9	106	75-125	4.23	20	

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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Reichet 09-05

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4L0434 - EPA 3580

Blank (B4L0434-BLK1)

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

1-Methylnaphthalene	ND	0.002	mg/kg							U
2-Methylnaphthalene	ND	0.002	"							U
Acenaphthene	ND	0.020	"							U
Anthracene	ND	0.020	"							U
Benzo (a) anthracene	ND	0.005	"							U
Benzo (a) pyrene	ND	0.020	"							U
Benzo (b) fluoranthene	ND	0.020	"							U
Benzo (g,h,i) perylene	ND	0.020	"							U
Benzo (k) fluoranthene	ND	0.020	"							U
Chrysene	ND	0.020	"							U
Dibenz (a,h) anthracene	ND	0.020	"							U
Fluoranthene	ND	0.020	"							U
Fluorene	ND	0.020	"							U
Indeno (1,2,3-cd) pyrene	ND	0.020	"							U
Naphthalene	ND	0.002	"							U
Phenanthrene	ND	0.020	"							U
Pyrene	ND	0.020	"							U
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	200		"	200		101	60-130			
Surrogate: Pyrene-d10	200		"	200		102	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130			

LCS (B4L0434-BS1)

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

1-Methylnaphthalene	0.195	0.002	mg/kg	0.200		97.7	70-130			
2-Methylnaphthalene	0.186	0.002	"	0.200		93.1	70-130			
Acenaphthene	0.187	0.020	"	0.200		93.5	70-130			
Anthracene	0.170	0.020	"	0.200		84.8	70-130			

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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Reichet 09-05

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4L0434 - EPA 3580

LCS (B4L0434-BS1)

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

Benzo (a) anthracene	0.172	0.005	mg/kg	0.200		86.1	70-130			
Benzo (a) pyrene	0.200	0.020	"	0.200		99.8	70-130			
Benzo (b) fluoranthene	0.206	0.020	"	0.200		103	70-130			
Benzo (g,h,i) perylene	0.195	0.020	"	0.200		97.7	70-130			
Benzo (k) fluoranthene	0.219	0.020	"	0.200		110	70-130			
Chrysene	0.191	0.020	"	0.200		95.4	70-130			
Dibenz (a,h) anthracene	0.211	0.020	"	0.200		106	70-130			
Fluoranthene	0.181	0.020	"	0.200		90.5	70-130			
Fluorene	0.195	0.020	"	0.200		97.3	70-130			
Indeno (1,2,3-cd) pyrene	0.204	0.020	"	0.200		102	70-130			
Naphthalene	0.187	0.002	"	0.200		93.5	70-130			
Phenanthrene	0.192	0.020	"	0.200		96.1	70-130			
Pyrene	0.190	0.020	"	0.200		95.2	70-130			

Surrogate: Fluorene-d10	200		ug/kg	200		102	60-130			
Surrogate: Anthracene-d10	190		"	200		97.2	60-130			
Surrogate: Pyrene-d10	210		"	200		104	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		105	60-130			

Matrix Spike (B4L0434-MS1)

Source: E4K0782-02

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

1-Methylnaphthalene	0.190	0.002	mg/kg	0.200	0.0008	94.8	70-130			
2-Methylnaphthalene	0.184	0.002	"	0.200	0.002	91.3	70-130			
Acenaphthene	0.190	0.020	"	0.200	0.010	90.4	70-130			
Anthracene	0.220	0.020	"	0.200	0.037	91.7	70-130			
Benzo (a) anthracene	0.635	0.005	"	0.200	0.362	137	70-130			QM-07
Benzo (a) pyrene	0.532	0.020	"	0.200	0.311	111	70-130			
Benzo (b) fluoranthene	0.529	0.020	"	0.200	0.264	133	70-130			QM-07
Benzo (g,h,i) perylene	0.395	0.020	"	0.200	0.159	118	70-130			

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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Reichet 09-05

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4L0434 - EPA 3580

Matrix Spike (B4L0434-MS1)

Source: E4K0782-02

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

Benzo (k) fluoranthene	0.385	0.020	mg/kg	0.200	0.153	116	70-130			
Chrysene	0.713	0.020	"	0.200	0.482	116	70-130			
Dibenz (a,h) anthracene	0.258	0.020	"	0.200	0.040	109	70-130			
Fluoranthene	0.948	0.020	"	0.200	0.701	123	70-130			
Fluorene	0.175	0.020	"	0.200	0.004	85.9	70-130			
Indeno (1,2,3-cd) pyrene	0.379	0.020	"	0.200	0.167	106	70-130			
Naphthalene	0.179	0.002	"	0.200	ND	89.6	70-130			
Phenanthrene	0.295	0.020	"	0.200	0.134	80.4	70-130			
Pyrene	1.15	0.020	"	0.200	0.792	181	70-130			QM-07
Surrogate: Fluorene-d10	190		ug/kg	200		93.7	60-130			
Surrogate: Anthracene-d10	200		"	200		97.8	60-130			
Surrogate: Pyrene-d10	210		"	200		106	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130			

Matrix Spike Dup (B4L0434-MSD1)

Source: E4K0782-02

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

1-Methylnaphthalene	0.190	0.002	mg/kg	0.200	0.0008	94.8	70-130	0.000735	20	
2-Methylnaphthalene	0.183	0.002	"	0.200	0.002	90.4	70-130	0.985	20	
Acenaphthene	0.191	0.020	"	0.200	0.010	90.8	70-130	0.394	20	
Anthracene	0.177	0.020	"	0.200	0.037	70.2	70-130	21.6	20	QR-02
Benzo (a) anthracene	0.356	0.005	"	0.200	0.362	NR	70-130	56.3	20	QM-07, QR-02
Benzo (a) pyrene	0.353	0.020	"	0.200	0.311	21.2	70-130	40.5	20	QM-07, QR-02
Benzo (b) fluoranthene	0.344	0.020	"	0.200	0.264	40.2	70-130	42.4	20	QM-07, QR-02
Benzo (g,h,i) perylene	0.255	0.020	"	0.200	0.159	48.0	70-130	43.0	20	QM-07, QR-02
Benzo (k) fluoranthene	0.278	0.020	"	0.200	0.153	62.6	70-130	32.3	20	QM-07, QR-02

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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Reichet 09-05

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4L0434 - EPA 3580

Matrix Spike Dup (B4L0434-MSD1)

Source: E4K0782-02

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

Chrysene	0.422	0.020	mg/kg	0.200	0.482	NR	70-130	51.3	20	QM-07, QR-02
Dibenz (a,h) anthracene	0.225	0.020	"	0.200	0.040	92.5	70-130	13.6	20	
Fluoranthene	0.494	0.020	"	0.200	0.701	NR	70-130	62.9	20	QM-07, QR-02
Fluorene	0.186	0.020	"	0.200	0.004	91.3	70-130	5.92	20	
Indeno (1,2,3-cd) pyrene	0.266	0.020	"	0.200	0.167	49.6	70-130	34.8	20	QM-07, QR-02
Naphthalene	0.185	0.002	"	0.200	ND	92.4	70-130	3.06	20	
Phenanthrene	0.237	0.020	"	0.200	0.134	51.6	70-130	21.7	20	QM-07, QR-02
Pyrene	0.582	0.020	"	0.200	0.792	NR	70-130	66.0	20	QM-07, QR-02
Surrogate: Fluorene-d10	190		ug/kg	200		93.8	60-130			
Surrogate: Anthracene-d10	200		"	200		102	60-130			
Surrogate: Pyrene-d10	210		"	200		107	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		106	60-130			

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

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Reichet 09-05

Classical Chemistry Parameters - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4L0212 - DTPA Sorbitol Preparation

Blank (B4L0212-BLK1)

Prepared: 12/02/2024 Analyzed: 12/03/2024

Boron ND 0.100 mg/L

Duplicate (B4L0212-DUP1)

Source: E4K0842-06

Prepared: 12/02/2024 Analyzed: 12/03/2024

Boron 0.106 0.0996 mg/L 0.0929 13.0 50

Batch B4L0219 - Saturated Paste Metals

Blank (B4L0219-BLK1)

Prepared: 12/02/2024 Analyzed: 12/03/2024

SAR ND 0.0100 SAR

Calcium PPM ND 10.0 mg/L

Magnesium PPM ND 10.0 "

Sodium PPM ND 10.0 "

Duplicate (B4L0219-DUP1)

Source: E4K0842-06

Prepared: 12/02/2024 Analyzed: 12/03/2024

Calcium PPM 13.6 10.0 mg/L 15.0 9.30 50

SAR ND 0.0100 SAR ND 200

Magnesium PPM 13.9 10.0 mg/L 14.7 5.17 50

Sodium PPM 2.17 10.0 " 2.23 2.73 50

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 Project Number: [none]
 Project: Chevron - Reichet 09-05

Saturated Paste - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4L0226 - Saturated Paste pH/EC

Blank (B4L0226-BLK1)

Prepared: 12/02/2024 Analyzed: 12/03/2024

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B4L0226-DUP1)

Source: E4K0842-06

Prepared: 12/02/2024 Analyzed: 12/03/2024

Specific Conductance (EC) 0.281 0.00500 mmhos/cm 0.268 4.74 25

pH 8.61 pH Units 8.58 0.349 25

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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Reichet 09-05

Total Metals by SW7199 - Quality Control
Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BHL0416 - No Prep Wet Chem										
Blank (BHL0416-BLK1)					Prepared: 12/11/2024 Analyzed: 12/11/2024					
Chromium, Hexavalent	ND	0.005	mg/kg							
LCS (BHL0416-BS1)					Prepared: 12/11/2024 Analyzed: 12/11/2024					
Chromium, Hexavalent	0.05		mg/kg	0.0500		92.0	80-120			
Matrix Spike (BHL0416-MS1)					Prepared: 12/11/2024 Analyzed: 12/11/2024					
Source: 24L0165-03										
Chromium, Hexavalent	1.84	0.20	mg/kg	2.00	ND	92.0	75-125			
Matrix Spike Dup (BHL0416-MSD1)					Prepared: 12/11/2024 Analyzed: 12/11/2024					
Source: 24L0165-03										
Chromium, Hexavalent	1.92	0.20	mg/kg	2.00	ND	96.0	75-125	4.21	20	

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Entrada Consulting Group
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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Reichet 09-05

Total Metals by SW7199 - Quality Control
Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BHL0332 - No Prep IC-WET										
Blank (BHL0332-BLK1)										
					Prepared: 12/06/2024 Analyzed: 12/10/2024					
Chromium, Hexavalent	ND	0.005	mg/kg							
LCS (BHL0332-BS1)										
					Prepared: 12/06/2024 Analyzed: 12/11/2024					
Chromium, Hexavalent	0.05	0.005	mg/kg	0.0500		102	80-120			
Matrix Spike (BHL0332-MS1)										
					Source: 24L0073-01 Prepared: 12/06/2024 Analyzed: 12/11/2024					
Chromium, Hexavalent	2.24	0.20	mg/kg	2.00	ND	112	75-125			
Matrix Spike Dup (BHL0332-MSD1)										
					Source: 24L0073-01 Prepared: 12/06/2024 Analyzed: 12/11/2024					
Chromium, Hexavalent	2.33	0.20	mg/kg	2.00	ND	117	75-125	3.85	20	

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

Chelsea Verysen
Project Number: [none]
Project: Chevron - Reichet 09-05

Notes and Definitions

- U Sample is Non-Detect.
- 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.

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