



Entrada Consulting Group

Chelsea Veryser

330 Grand Ave. Unit C

Grand Junction CO 81501

October 01, 2024

**Project Name - Chevron - Timbro Federal
LD18-74HN**

Project Number - [none]

Attached are your analytical results for Chevron - Timbro Federal LD18-74HN received by Origins Laboratory September 12, 2024. This project is associated with Origins project number E409380-01.

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 Veryser

Project Number: [none]

Project: Chevron - Timbro Federal LD18-74HN

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH01@6	E409380-01	Soil	September 12, 2024 10:00	09/12/2024 17:25
FLR01@4	E409380-02	Soil	September 12, 2024 10:00	09/12/2024 17:25

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jordan A. Bynon For Jen Pellegrini, Project Manager

Chelsea Veryser
Project Number: [none]
Project: Chevron - Timbro Federal LD18-74HN

ORIGINS

ORIGINS WORK ORDER #

6409380

Page 1 of 1

LABORATORY INC

Client: Enbridge

Project Manager: Chelsea Verger

Key:

Address: _____

Project Name: Tribune Federal LDR-7446

W=Water

Project Number: _____

GW=Groundwater

Telephone Number: 303-319-8703

Collected By: Tim Lohr

SW=Surface Water

Email Address: _____

Invoice/Billing Info: Bill to Chevron (Post mail)

WW=Waste Water
L=liquid

S=Soil | SO=Solid | O=Oil | A=Air | G=Gas | UNP=Unpres | HCL=Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide

#	Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix	Preservative	Analysis										Comments
							Table 915										
1	WHA0104	9/12/24	1000	2	S	NAH	X										
2	FLA0104		1005	1													Hold
3	WHA01-N 04		1010	1													Hold
4	WHA01-E 04		1015	1													Hold
5	WHA01-S 04		1020	1													Hold
6																	
7																	
8																	
9																	
10																	

Relinquished By: <u>[Signature]</u>	Date: <u>9/12/24</u>	Time: <u>1430</u>	Received By: <u>W</u>	Date: <u>09/12/24</u>	Time: <u>1800</u>
Relinquished By: <u>W</u>	Date: <u>09/12/24</u>	Time: <u>1725</u>	Received By: <u>[Signature]</u>	Date: <u>9/12/24</u>	Time: <u>1725</u>

Turnaround Time

☐ SAME DAY ☐ 24 Hr

☐ 48 Hr ☐ 72 Hr

☒ Standard

1725 Elk Place Denver, Co. 80221 | # 303.433.1322 | originslab.com Temp Received- 36 Received On Ice? ☒ Yes ☐ No

Origins Laboratory

Byron

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330 Grand Ave. Unit C

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Chelsea Veryser

Project Number: [none]

Project: Chevron - Timbro Federal LD18-74HN

Origins Laboratory

Sample Receipt Checklist

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

Origins Work Order: E409380

Client: Entrada

Client Project ID: Timbro Federal

Checklist Completed by: TJD / KK

Shipped Via: TJD

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

Date/time completed: 9/12/14

Airbill #: N/A

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

Water

Other:

Cooler Number/Temperature: 1 B.V. °C / °C / °C (Describe)

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"/>			
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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water — is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽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 checked="" 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 in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) TJD

Date/Time Reviewed 9/16/14

Origins Laboratory

J. Bynon

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330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Timbro Federal LD18-74HN

WH01@6

9/12/2024 10:00:00AM

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

E409380-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.240	0.100	mg/L	1	B4I1610	09/16/2024	09/17/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4I1333	09/13/2024	09/17/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

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	B4I1728	09/17/2024	09/19/2024	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	82.4 %	70-130	"	"	"
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Origins Laboratory



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Chelsea Veryser

Project Number: [none]

Project: Chevron - Timbro Federal LD18-74HN

WH01@6

9/12/2024 10:00:00AM

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

E409380-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	95.4 %	70-130	B4I172 8	09/17/2024	09/19/2024
Surrogate: 4-Bromofluorobenzene	83.9 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	0.869	0.499	meq/L	10	[CALC]	09/17/2024	09/18/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	2.63	0.435	"	"	"	"	"

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4I1656	09/16/2024	09/20/2024	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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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Timbro Federal LD18-74HN

WH01@6

9/12/2024 10:00:00AM

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

E409380-01 (Soil)

PAH by EPA 8270E extracted via 3580A

Fluorene	ND	0.020	mg/kg	1	B4I1656	09/16/2024	09/20/2024	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	102 %	60-130	"	"	"
Surrogate: Pyrene-d10	96.4 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	97.6 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.61	pH Units	1	B4I1721	09/17/2024	09/20/2024
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SAR by 20B Saturated Paste

SAR	3.66	0.0100	SAR	1	B4I1707	09/17/2024	09/18/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.458	0.00500	mmhos/cm	1	B4I1721	09/17/2024	09/20/2024
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Table 915 metals by EPA 6020B

Origins Laboratory



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330 Grand Ave. Unit C

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Project Number: [none]

Project: Chevron - Timbro Federal LD18-74HN

WH01@6

9/12/2024 10:00:00AM

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

E409380-01 (Soil)

Table 915 metals by EPA 6020B

Arsenic	3.35	0.273	mg/kg	10	B411331	09/13/2024	09/17/2024
Barium	1710	9.41	"	"	"	"	"
Cadmium	0.220	0.0941	"	"	"	"	"
Copper	15.1	9.41	"	"	"	"	"
Lead	11.3	0.941	"	"	"	"	"
Nickel	9.03	0.941	"	"	"	"	"
Selenium	ND	0.245	"	"	"	"	"
Silver	ND	0.0941	"	"	"	"	"
Zinc	69.6	34.8	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L772997	09/12/2024	09/17/2024
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330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Timbro Federal LD18-74HN

FLR01@4

9/12/2024 10:05:00AM

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

E409380-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.201	0.0990	mg/L	1	B4I1610	09/16/2024	09/17/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	170	25.0	mg/kg	1	B4I1333	09/13/2024	09/17/2024	
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	89.5 %	50-150	"	"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.00334	0.00200	mg/kg	1	B4I1728	09/17/2024	09/19/2024	
1,3,5-Trimethylbenzene	0.00590	0.00200	"	"	"	"	"	
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	0.00832	0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	6.76	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	84.3 %	70-130	"	"	"	"	"	
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Surrogate: Toluene-d8	96.6 %	70-130	"	"	"	"	"	
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330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Timbro Federal LD18-74HN

FLR01@4

9/12/2024 10:05:00AM

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

E409380-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene 85.4 % 70-130 B4I172 8 09/17/2024 09/19/2024

Metals by Saturated Paste by EPA 6010

Calcium	1.33	0.499	meq/L	10	[CALC]	09/17/2024	09/18/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.28	0.435	"	"	"	"	"

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	0.020	0.002	mg/kg	1	B4I1656	09/16/2024	09/20/2024	
2-Methylnaphthalene	0.014	0.002	"	"	"	"	"	
Acenaphthene	0.026	0.020	"	"	"	"	"	
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
Fluorene	ND	0.020	"	"	"	"	"	U

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330 Grand Ave. Unit C

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Chelsea Veryser

Project Number: [none]

Project: Chevron - Timbro Federal LD18-74HN

FLR01@4

9/12/2024 10:05:00AM

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

E409380-02 (Soil)

PAH by EPA 8270E extracted via 3580A

Indeno (1,2,3-cd) pyrene	ND	0.020	mg/kg	1	B4I1656	09/16/2024	09/20/2024	U
Naphthalene	0.002	0.002	"	"	"	"	"	
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	101 %	60-130	"	"	"
Surrogate: Anthracene-d10	102 %	60-130	"	"	"
Surrogate: Pyrene-d10	93.5 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	97.1 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.51	pH Units	1	B4I1721	09/17/2024	09/20/2024
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SAR by 20B Saturated Paste

SAR	1.45	0.0100	SAR	1	B4I1707	09/17/2024	09/18/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.332	0.00500	mmhos/cm	1	B4I1721	09/17/2024	09/20/2024
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Table 915 metals by EPA 6020B

Arsenic	3.08	0.255	mg/kg	10	B4I1331	09/13/2024	09/17/2024
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330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Timbro Federal LD18-74HN

FLR01@4

9/12/2024 10:05:00AM

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

E409380-02 (Soil)

Table 915 metals by EPA 6020B

Barium	983	8.79	mg/kg	10	B411331	09/13/2024	09/17/2024
Cadmium	0.232	0.0879	"	"	"	"	"
Copper	13.9	8.79	"	"	"	"	"
Lead	10.7	0.879	"	"	"	"	"
Nickel	8.30	0.879	"	"	"	"	"
Selenium	ND	0.229	"	"	"	"	"
Silver	ND	0.0879	"	"	"	"	"
Zinc	226	32.5	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L772997	09/12/2024	09/17/2024
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330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Timbro Federal LD18-74HN

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 B4I1333 - EPA 3550B										
Blank (B4I1333-BLK1)					Prepared: 09/13/2024 Analyzed: 09/17/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	21		"	24.9		85.7	50-150			

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330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Timbro Federal LD18-74HN

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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Batch B4I1333 - EPA 3550B

LCS (B4I1333-BS1)

Prepared: 09/13/2024 Analyzed: 09/17/2024

Diesel (C10-C28)	1030	50.0	mg/kg	1000		103	70-130			
Residual Range Organics (C28-C40)	1130	200	"	1000		113	70-130			
Surrogate: o-Terphenyl	58		"	49.8		116	50-150			

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330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Timbro Federal LD18-74HN

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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Batch B4I1333 - EPA 3550B

Matrix Spike (B4I1333-MS1)		Source: E409155-01			Prepared: 09/13/2024 Analyzed: 09/17/2024					
Diesel (C10-C28)	1090	50.0	mg/kg	1000	ND	109	70-130			
Residual Range Organics (C28-C40)	1210	200	"	1000	ND	121	70-130			
Surrogate: o-Terphenyl	57		"	49.8		115	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 - Timbro Federal LD18-74HN

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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Batch B4I1333 - EPA 3550B

Matrix Spike Dup (B4I1333-MSD1)		Source: E409155-01			Prepared: 09/13/2024 Analyzed: 09/17/2024					
Diesel (C10-C28)	1030	50.0	mg/kg	1000	ND	103	70-130	5.98	35	
Residual Range Organics (C28-C40)	1160	200	"	1000	ND	116	70-130	4.55	35	
Surrogate: o-Terphenyl	56		"	49.8		113	50-150			

Origins Laboratory

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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 - Timbro Federal LD18-74HN

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 B4I1728 - EPA 5030 (soil)										
Blank (B4I1728-BLK1)					Prepared: 09/17/2024 Analyzed: 09/19/2024					
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	0.092		"	0.125		73.5	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.10		"	0.125		83.3	70-130			

Origins Laboratory

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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Timbro Federal LD18-74HN

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 B4I1728 - EPA 5030 (soil)

LCS (B4I1728-BS1)

Prepared: 09/17/2024 Analyzed: 09/19/2024

1,2,4-Trimethylbenzene	0.0927	0.00200	mg/kg	0.100		92.7	70-130			
1,3,5-Trimethylbenzene	0.0965	0.00200	"	0.100		96.5	70-130			
Benzene	0.109	0.00200	"	0.100		109	70-130			
Ethylbenzene	0.0992	0.00200	"	0.100		99.2	70-130			
Naphthalene	0.0933	0.00380	"	0.100		93.3	70-130			
Toluene	0.0968	0.00200	"	0.100		96.8	70-130			
o-Xylene	0.0969	0.00200	"	0.100		96.9	70-130			
m,p-Xylene	0.213	0.00400	"	0.200		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.097		"	0.125		77.6	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		87.6	70-130			

Origins Laboratory



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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Timbro Federal LD18-74HN

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 B4I1728 - EPA 5030 (soil)

Matrix Spike (B4I1728-MS1)		Source: E409374-01			Prepared: 09/17/2024 Analyzed: 09/20/2024					
1,2,4-Trimethylbenzene	0.0627	0.00200	mg/kg	0.100	ND	62.7	70-130			QM-07
1,3,5-Trimethylbenzene	0.0630	0.00200	"	0.100	ND	63.0	70-130			QM-07
Benzene	0.0583	0.00200	"	0.100	ND	58.3	70-130			QM-07
Ethylbenzene	0.0630	0.00200	"	0.100	ND	63.0	70-130			QM-07
Naphthalene	0.0719	0.00380	"	0.100	ND	71.9	70-130			
Toluene	0.0600	0.00200	"	0.100	ND	60.0	70-130			QM-07
o-Xylene	0.0640	0.00200	"	0.100	ND	64.0	70-130			QM-07
m,p-Xylene	0.124	0.00400	"	0.200	ND	62.2	70-130			QM-07
Surrogate: 1,2-Dichloroethane-d4	0.16		"	0.125		131	70-130			S-GC
Surrogate: Toluene-d8	0.12		"	0.125		98.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		107	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 - Timbro Federal LD18-74HN

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 B4I1728 - EPA 5030 (soil)

Matrix Spike Dup (B4I1728-MSD1)		Source: E409374-01			Prepared: 09/17/2024 Analyzed: 09/19/2024					
1,2,4-Trimethylbenzene	0.0755	0.00200	mg/kg	0.100	ND	75.5	70-130	18.5	20	
1,3,5-Trimethylbenzene	0.0790	0.00200	"	0.100	ND	79.0	70-130	22.5	20	QR-02
Benzene	0.0927	0.00200	"	0.100	ND	92.7	70-130	45.6	20	QR-02
Ethylbenzene	0.0795	0.00200	"	0.100	ND	79.5	70-130	23.2	20	QR-02
Naphthalene	0.0798	0.00380	"	0.100	ND	79.8	70-130	10.4	20	
Toluene	0.0816	0.00200	"	0.100	ND	81.6	70-130	30.6	20	QR-02
o-Xylene	0.0800	0.00200	"	0.100	ND	80.0	70-130	22.3	20	QR-02
m,p-Xylene	0.169	0.00400	"	0.200	ND	84.4	70-130	30.3	20	QR-02
Surrogate: 1,2-Dichloroethane-d4	0.10		"	0.125		80.1	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		92.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		86.7	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 - Timbro Federal LD18-74HN

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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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 B4I1331 - EPA 3050B

Blank (B4I1331-BLK1)

Prepared: 09/13/2024 Analyzed: 09/17/2024

Arsenic	ND	0.290	mg/kg
Barium	ND	10.0	"
Cadmium	ND	0.100	"
Copper	ND	10.0	"
Lead	ND	1.00	"
Nickel	ND	1.00	"
Selenium	ND	0.260	"
Silver	ND	0.100	"
Zinc	ND	37.0	"

LCS (B4I1331-BS1)

Prepared: 09/13/2024 Analyzed: 09/17/2024

Arsenic	5.22	0.290	mg/kg	5.00	104	80-120
Barium	494	10.0	"	500	98.9	80-120
Cadmium	4.86	0.100	"	5.00	97.2	80-120
Copper	53.4	10.0	"	50.0	107	80-120
Lead	5.04	1.00	"	5.00	101	80-120
Nickel	5.28	1.00	"	5.00	106	80-120
Selenium	4.85	0.260	"	5.00	97.0	80-120
Silver	4.97	0.100	"	5.00	99.4	80-120
Zinc	53.2	37.0	"	50.0	106	80-120

Matrix Spike (B4I1331-MS1)

Source: E409380-01

Prepared: 09/13/2024 Analyzed: 09/17/2024

Origins Laboratory

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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Timbro Federal LD18-74HN

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 B4I1331 - EPA 3050B

Matrix Spike (B4I1331-MS1)		Source: E409380-01			Prepared: 09/13/2024 Analyzed: 09/17/2024					
Arsenic	8.11	0.276	mg/kg	4.76	3.35	99.9	75-125			
Barium	3340	9.53	"	476	1710	342	75-125			QM-4X
Cadmium	5.00	0.0953	"	4.76	0.220	100	75-125			
Copper	64.5	9.53	"	47.6	15.1	104	75-125			
Lead	16.6	0.953	"	4.76	11.3	111	75-125			
Nickel	13.9	0.953	"	4.76	9.03	102	75-125			
Selenium	4.93	0.248	"	4.76	0.0734	102	75-125			
Silver	4.76	0.0953	"	4.76	ND	100	75-125			
Zinc	183	35.3	"	47.6	69.6	238	75-125			QM-07
Matrix Spike Dup (B4I1331-MSD1)		Source: E409380-01			Prepared: 09/13/2024 Analyzed: 09/17/2024					
Arsenic	7.95	0.279	mg/kg	4.82	3.35	95.6	75-125	1.90	20	
Barium	1580	9.64	"	482	1710	NR	75-125	71.5	20	QM-4X
Cadmium	4.80	0.0964	"	4.82	0.220	95.0	75-125	4.13	20	
Copper	63.4	9.64	"	48.2	15.1	100	75-125	1.74	20	
Lead	17.3	0.964	"	4.82	11.3	123	75-125	3.83	20	
Nickel	13.8	0.964	"	4.82	9.03	98.4	75-125	0.756	20	
Selenium	4.50	0.251	"	4.82	0.0734	91.8	75-125	9.14	20	
Silver	4.60	0.0964	"	4.82	ND	95.4	75-125	3.52	20	
Zinc	107	35.7	"	48.2	69.6	77.1	75-125	52.7	20	QR-DUP

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

Chelsea Veryser
Project Number: [none]
Project: Chevron - Timbro Federal LD18-74HN

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 B4I1656 - EPA 3580

Blank (B4I1656-BLK1)

Prepared: 09/16/2024 Analyzed: 09/20/2024

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		98.7	60-130			
Surrogate: Anthracene-d10	200		"	200		102	60-130			
Surrogate: Pyrene-d10	190		"	200		97.0	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		103	60-130			

LCS (B4I1656-BS1)

Prepared: 09/16/2024 Analyzed: 09/20/2024

1-Methylnaphthalene	0.189	0.002	mg/kg	0.200		94.6	70-130
2-Methylnaphthalene	0.190	0.002	"	0.200		95.0	70-130
Acenaphthene	0.188	0.020	"	0.200		94.2	70-130
Anthracene	0.183	0.020	"	0.200		91.7	70-130

Origins Laboratory



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

Chelsea Veryser
Project Number: [none]
Project: Chevron - Timbro Federal LD18-74HN

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 B4I1656 - EPA 3580

LCS (B4I1656-BS1)

Prepared: 09/16/2024 Analyzed: 09/20/2024

Benzo (a) anthracene	0.205	0.005	mg/kg	0.200		102	70-130
Benzo (a) pyrene	0.193	0.020	"	0.200		96.5	70-130
Benzo (b) fluoranthene	0.179	0.020	"	0.200		89.5	70-130
Benzo (g,h,i) perylene	0.176	0.020	"	0.200		88.2	70-130
Benzo (k) fluoranthene	0.169	0.020	"	0.200		84.6	70-130
Chrysene	0.183	0.020	"	0.200		91.4	70-130
Dibenz (a,h) anthracene	0.179	0.020	"	0.200		89.3	70-130
Fluoranthene	0.201	0.020	"	0.200		100	70-130
Fluorene	0.187	0.020	"	0.200		93.4	70-130
Indeno (1,2,3-cd) pyrene	0.181	0.020	"	0.200		90.3	70-130
Naphthalene	0.188	0.002	"	0.200		94.2	70-130
Phenanthrene	0.189	0.020	"	0.200		94.6	70-130
Pyrene	0.182	0.020	"	0.200		90.9	70-130
Surrogate: Fluorene-d10	200		ug/kg	200		99.1	60-130
Surrogate: Anthracene-d10	200		"	200		101	60-130
Surrogate: Pyrene-d10	190		"	200		93.6	60-130
Surrogate: Benzo (a) pyrene-d12	200		"	200		100	60-130

Matrix Spike (B4I1656-MS1)

Source: E409380-01

Prepared: 09/16/2024 Analyzed: 09/20/2024

1-Methylnaphthalene	0.185	0.002	mg/kg	0.200	0.0004	92.1	70-130
2-Methylnaphthalene	0.183	0.002	"	0.200	ND	91.5	70-130
Acenaphthene	0.176	0.020	"	0.200	ND	87.9	70-130
Anthracene	0.183	0.020	"	0.200	0.002	90.6	70-130
Benzo (a) anthracene	0.195	0.005	"	0.200	ND	97.3	70-130
Benzo (a) pyrene	0.179	0.020	"	0.200	ND	89.4	70-130
Benzo (b) fluoranthene	0.179	0.020	"	0.200	ND	89.3	70-130
Benzo (g,h,i) perylene	0.174	0.020	"	0.200	ND	87.0	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 - Timbro Federal LD18-74HN

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 B4I1656 - EPA 3580

Matrix Spike (B4I1656-MS1)		Source: E409380-01			Prepared: 09/16/2024 Analyzed: 09/20/2024					
Benzo (k) fluoranthene	0.164	0.020	mg/kg	0.200	ND	82.0	70-130			
Chrysene	0.174	0.020	"	0.200	ND	87.2	70-130			
Dibenz (a,h) anthracene	0.180	0.020	"	0.200	ND	89.9	70-130			
Fluoranthene	0.198	0.020	"	0.200	ND	99.1	70-130			
Fluorene	0.179	0.020	"	0.200	ND	89.4	70-130			
Indeno (1,2,3-cd) pyrene	0.177	0.020	"	0.200	ND	88.6	70-130			
Naphthalene	0.177	0.002	"	0.200	ND	88.3	70-130			
Phenanthrene	0.179	0.020	"	0.200	ND	89.4	70-130			
Pyrene	0.176	0.020	"	0.200	ND	88.1	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	200		"	200		102	60-130			
Surrogate: Pyrene-d10	190		"	200		94.7	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		98.1	60-130			

Matrix Spike Dup (B4I1656-MSD1)		Source: E409380-01			Prepared: 09/16/2024 Analyzed: 09/20/2024					
1-Methylnaphthalene	0.185	0.002	mg/kg	0.200	0.0004	92.3	70-130	0.191	20	
2-Methylnaphthalene	0.185	0.002	"	0.200	ND	92.4	70-130	0.898	20	
Acenaphthene	0.186	0.020	"	0.200	ND	93.1	70-130	5.69	20	
Anthracene	0.193	0.020	"	0.200	0.002	95.6	70-130	5.38	20	
Benzo (a) anthracene	0.203	0.005	"	0.200	ND	102	70-130	4.43	20	
Benzo (a) pyrene	0.184	0.020	"	0.200	ND	92.2	70-130	3.04	20	
Benzo (b) fluoranthene	0.176	0.020	"	0.200	ND	88.2	70-130	1.24	20	
Benzo (g,h,i) perylene	0.177	0.020	"	0.200	ND	88.7	70-130	1.93	20	
Benzo (k) fluoranthene	0.163	0.020	"	0.200	ND	81.6	70-130	0.421	20	
Chrysene	0.178	0.020	"	0.200	ND	89.1	70-130	2.25	20	
Dibenz (a,h) anthracene	0.181	0.020	"	0.200	ND	90.3	70-130	0.468	20	
Fluoranthene	0.204	0.020	"	0.200	ND	102	70-130	2.86	20	

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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Timbro Federal LD18-74HN

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 B4I1656 - EPA 3580

Matrix Spike Dup (B4I1656-MSD1)		Source: E409380-01			Prepared: 09/16/2024 Analyzed: 09/20/2024					
Fluorene	0.186	0.020	mg/kg	0.200	ND	93.0	70-130	3.98	20	
Indeno (1,2,3-cd) pyrene	0.178	0.020	"	0.200	ND	89.1	70-130	0.557	20	
Naphthalene	0.183	0.002	"	0.200	ND	91.4	70-130	3.43	20	
Phenanthrene	0.189	0.020	"	0.200	ND	94.5	70-130	5.57	20	
Pyrene	0.177	0.020	"	0.200	ND	88.4	70-130	0.382	20	
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	200		"	200		101	60-130			
Surrogate: Pyrene-d10	190		"	200		92.5	60-130			
Surrogate: Benzo (a) pyrene-d12	190		"	200		97.1	60-130			

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

Chelsea Veryser
Project Number: [none]
Project: Chevron - Timbro Federal LD18-74HN

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 B4I1610 - DTPA Sorbitol Preparation

Blank (B4I1610-BLK1)

Prepared: 09/16/2024 Analyzed: 09/17/2024

Boron ND 0.100 mg/L

Duplicate (B4I1610-DUP1)

Source: E409366-01

Prepared: 09/16/2024 Analyzed: 09/17/2024

Boron 0.681 0.101 mg/L 1.43 71.2 50 QR-DUP

Batch B4I1707 - Saturated Paste Metals

Blank (B4I1707-BLK1)

Prepared: 09/17/2024 Analyzed: 09/18/2024

SAR ND 0.0100 SAR

Calcium PPM ND 10.0 mg/L

Magnesium PPM ND 10.0 "

Sodium PPM ND 10.0 "

Duplicate (B4I1707-DUP1)

Source: E409369-05

Prepared: 09/17/2024 Analyzed: 09/18/2024

SAR ND 0.0100 SAR 0.0551 200

Calcium PPM 65.8 10.0 mg/L 68.0 3.29 50

Magnesium PPM 5.18 10.0 " 5.19 0.193 50

Sodium PPM 1.82 10.0 " 1.75 3.92 50

Origins Laboratory

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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 - Timbro Federal LD18-74HN

Saturated Paste - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I1721 - Saturated Paste pH/EC										
Blank (B4I1721-BLK1)					Prepared: 09/17/2024 Analyzed: 09/20/2024					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B4I1721-DUP1)					Source: E409369-05 Prepared: 09/17/2024 Analyzed: 09/20/2024					
pH	8.20		pH Units		8.17			0.367	25	
Specific Conductance (EC)	0.454	0.00500	mmhos/cm		0.448			1.24	25	

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

Chelsea Veryser
Project Number: [none]
Project: Chevron - Timbro Federal LD18-74HN

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L772997 -										
DUP (L 87836-DUP)	Source: E409380-02				Prepared: Analyzed: 09/17/2024					
Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500		-	0	20	
MS (L 87836-MS)	Source: E409380-02				Prepared: Analyzed: 09/17/2024					
Chromium, Hexavalent	28.2	2.5	mg/Kg	39.1	< 0.244	72	75-125			*
LCS (LCS)					Prepared: Analyzed: 09/17/2024					
Chromium, Hexavalent	6.74	0.5	mg/Kg	8		84	75-125			
LRB (LRB)					Prepared: Analyzed: 09/17/2024					
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Timbro Federal LD18-74HN

Notes and Definitions

U Sample is Non-Detect.

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.

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-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

* QC Failure

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

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