



July 29, 2024

Entrada Consulting Group

Chelsea Veryser

330 Grand Ave. Unit C

Grand Junction CO 81501

Project Name - Chevron - Torres USX AB35-09 Project Number - [none]

Attached are your analytical results for Chevron - Torres USX AB35-09 received by Origins Laboratory, Inc. July 10, 2024. This project is associated with Origins project number Y407272-01.

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

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

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

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

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

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com




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

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

Chelsea Veryser
Project Number: [none]
Project: Chevron - Torres USX AB35-09

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH01@6	Y407272-01	Soil	July 10, 2024 14:00	07/10/2024 17:15
FLR01@4	Y407272-02	Soil	July 10, 2024 14:05	07/10/2024 17:15

Origins Laboratory, Inc.


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ORIGINS LABORATORY, INC

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

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

Page 1 of 1

4407272

ORIGINS LABORATORY, INC

Client: Entrada
 Address: Entrada
 Telephone Number: 303-314-8103
 Email Address: Entrada.Distribution.CC@Entrada.com
 Project Manager: Chelsea Veryser
 Project Name: Torres USX AB35-09
 Project Number: 4407272
 Collected By: Jen Pellegrini
 Invoice/Billing Info: Diff To Chevron (Dry) 3rd L-Liquid
 S=Soil | SO=Solid | O=Oil | A=Air | G=Gas | U=Unpres | HCL=Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide

Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix	Preservative	Analysis	Comments
1 WH0106	7/10/14	1402	2	S	UMP		H02
2 FL20109	7/10/14	1405	1				H02
3 WH0104	7/10/14	1410	1				H02
4 WH0104	7/10/14	1415	1				H02
5 WH0104	7/10/14	1420	1				H02
6							
7							
8							
9							
10							

Reinquisitioned By: [Signature] Date: 7/10/14 Time: 1530 Received By: [Signature] Date: 07/10/14 Time: 1610

Reinquisitioned By: [Signature] Date: 07/10/14 Time: 1715 Received By: [Signature] Date: 7/10/14 Time: 1715

Turnaround Time: SAME DAY 24 HR 48 HR Standard

Temp Received: 24.5°C Received On Ice? Yes No

1725 Elk Place Denver, CO 80211 P: 303.453.1322 | origins@lab.com

Origins Laboratory, Inc.

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

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

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

Sample Receipt Checklist

Origins Work Order: 4407272 Client: Entrada
 Client Project ID: Torres USX AB35-09

Checklist Completed by: TSH/AD Shipped Via: HD
 Date/time completed: 7/11/24 Airbill #: N/A
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

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


Cooler Number/Temperature: 1 245 c °C _____ °C _____ °C

Thermometer ID: T005

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ¹⁾²⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>ESD SD</u>
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⁾²⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ¹⁾²⁾ ?	<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⁾²⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ¹⁾²⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ¹⁾²⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ¹⁾²⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ¹⁾²⁾ ?	<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⁾²⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)(pH < 2 for samples preserved with HNO3, HCL, H2SO4) / (pH > 10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Additional Comments (if any):				

¹⁾²⁾ If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager): [Signature] Date/Time Reviewed: 7/12/24

Origins Laboratory, Inc.


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

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

WH01@6
 7/10/2024 2:00:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y407272-01 (Soil)
Origins Laboratory, Inc.

Boron (DTPA Sorbitol)

Boron	0.274	0.0990	mg/L	1	B4G1209	ACC	07/12/2024	07/16/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4G1201	ZZZ	07/12/2024	07/15/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	Ua

Surrogate: <i>o</i> -Terphenyl	95.5 %	50-150	"	"	"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4G1138	HKS	07/11/2024	07/15/2024	Ua
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HKS	"	"	Ua
Benzene	ND	0.00200	"	"	"	HKS	"	"	Ua
Ethylbenzene	ND	0.00200	"	"	"	HKS	"	"	Ua
Toluene	ND	0.00200	"	"	"	HKS	"	"	Ua
Xylenes, total	ND	0.00200	"	"	"	HKS	"	"	Ua
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HKS	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	107 %	70-130	"	"	"	"	"	"	
Surrogate: Toluene-d8	93.4 %	70-130	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	112 %	70-130	"	"	"	"	"	"	

Metals by Saturated Paste by EPA 6010

Origins Laboratory, Inc.



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 Grand Junction CO 81501

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

WH01@6
 7/10/2024 2:00:00PM

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

Y407272-01 (Soil)
Origins Laboratory, Inc.

Metals by Saturated Paste by EPA 6010

Calcium	1.60	0.499	meq/L	10	[CALC]	ACC	07/12/2024	07/16/2024	
Magnesium	ND	0.823	"	"		ACC	"	"	
Sodium	ND	0.435	"	"		ACC	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4G1227	Windows	07/12/2024	07/13/2024	Ua
2-Methylnaphthalene	ND	0.002	"	"	"	Windows	"	"	Ua
Acenaphthene	ND	0.020	"	"	"	Windows	"	"	Ua
Anthracene	ND	0.020	"	"	"	Windows	"	"	Ua
Benzo (a) anthracene	ND	0.005	"	"	"	Windows	"	"	Ua
Benzo (a) pyrene	ND	0.020	"	"	"	Windows	"	"	Ua
Benzo (b) fluoranthene	ND	0.020	"	"	"	Windows	"	"	Ua
Benzo (k) fluoranthene	ND	0.020	"	"	"	Windows	"	"	Ua
Chrysene	ND	0.020	"	"	"	Windows	"	"	Ua
Dibenz (a,h) anthracene	ND	0.020	"	"	"	Windows	"	"	Ua
Fluoranthene	ND	0.020	"	"	"	Windows	"	"	Ua
Fluorene	ND	0.020	"	"	"	Windows	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	Windows	"	"	Ua
Naphthalene	ND	0.002	"	"	"	Windows	"	"	Ua
Pyrene	ND	0.020	"	"	"	Windows	"	"	Ua

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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

WH01@6

7/10/2024 2:00:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y407272-01 (Soil)
Origins Laboratory, Inc.

PAH by EPA 8270E

Surrogate	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
Surrogate: Fluorene-d10	104 %	60-130			B4G12 27		07/12/2024	07/13/2024	
Surrogate: Anthracene-d10	90.9 %	60-130			"	"	"	"	
Surrogate: Pyrene-d10	96.0 %	60-130			"	"	"	"	
Surrogate: Benzo (a) pyrene-d12	99.7 %	60-130			"	"	"	"	

pH in Soil by 9045D

pH	8.24		pH Units	1	B4G1218	GCG	07/12/2024	07/12/2024	
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SAR by 20B Saturated Paste

SAR	0.311	0.0100	SAR	1	B4G1213	ACC	07/12/2024	07/16/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.295	0.00500	mmhos/cm	1	B4G1218	GCG	07/12/2024	07/12/2024	
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Table 915 metals by EPA 6020B

Arsenic	2.64	0.271	mg/kg	10	B4G1105	HJD	07/11/2024	07/13/2024	
Barium	50.7	9.33	"	"	"	HJD	"	"	
Cadmium	ND	0.0933	"	"	"	HJD	"	"	
Copper	ND	9.33	"	"	"	HJD	"	"	
Lead	123	0.933	"	"	"	HJD	"	"	
Nickel	4.60	0.933	"	"	"	HJD	"	"	

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Chelsea Veryser
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 Project: Chevron - Torres USX AB35-09

WH01@6

7/10/2024 2:00:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y407272-01 (Soil)
Origins Laboratory, Inc.


Table 915 metals by EPA 6020B

Selenium	ND	0.243	mg/kg	10	B4G1105	HJD	07/11/2024	07/13/2024	
Silver	ND	0.0933	"	"	"	HJD	"	"	
Zinc	ND	34.5	"	"	"	HJD	"	"	

GEL Laboratories, LLC

Total Metals 7196A

Hexavalent Chromium	ND	0.420	mg/kg dry	1	2643809	HH2	07/26/2024	07/26/2024	U
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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

FLR01@4

7/10/2024 2:05:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y407272-02 (Soil)
Origins Laboratory, Inc.

Boron (DTPA Sorbitol)

Boron	ND	0.0994	mg/L	1	B4G1209	ACC	07/12/2024	07/16/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4G1201	ZZZ	07/12/2024	07/15/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	Ua

Surrogate: o-Terphenyl	96.1 %		50-150		"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4G1138	HKS	07/11/2024	07/15/2024	Ua
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HKS	"	"	Ua
Benzene	ND	0.00200	"	"	"	HKS	"	"	Ua
Ethylbenzene	ND	0.00200	"	"	"	HKS	"	"	Ua
Toluene	ND	0.00200	"	"	"	HKS	"	"	Ua
Xylenes, total	ND	0.00200	"	"	"	HKS	"	"	Ua
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HKS	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	106 %		70-130		"	"	"	"	
Surrogate: Toluene-d8	96.1 %		70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	112 %		70-130		"	"	"	"	

Metals by Saturated Paste by EPA 6010

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 Grand Junction CO 81501

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

FLR01@4

7/10/2024 2:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y407272-02 (Soil)
Origins Laboratory, Inc.

Metals by Saturated Paste by EPA 6010

Calcium	1.16	0.499	meq/L	10	[CALC]	ACC	07/12/2024	07/16/2024	
Magnesium	ND	0.823	"	"		ACC	"	"	
Sodium	ND	0.435	"	"		ACC	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4G1227	Windows	07/12/2024	07/13/2024	Ua
2-Methylnaphthalene	ND	0.002	"	"	"	Windows	"	"	Ua
Acenaphthene	ND	0.020	"	"	"	Windows	"	"	Ua
Anthracene	ND	0.020	"	"	"	Windows	"	"	Ua
Benzo (a) anthracene	ND	0.005	"	"	"	Windows	"	"	Ua
Benzo (a) pyrene	ND	0.020	"	"	"	Windows	"	"	Ua
Benzo (b) fluoranthene	ND	0.020	"	"	"	Windows	"	"	Ua
Benzo (k) fluoranthene	ND	0.020	"	"	"	Windows	"	"	Ua
Chrysene	ND	0.020	"	"	"	Windows	"	"	Ua
Dibenz (a,h) anthracene	ND	0.020	"	"	"	Windows	"	"	Ua
Fluoranthene	ND	0.020	"	"	"	Windows	"	"	Ua
Fluorene	ND	0.020	"	"	"	Windows	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	Windows	"	"	Ua
Naphthalene	ND	0.002	"	"	"	Windows	"	"	Ua
Pyrene	ND	0.020	"	"	"	Windows	"	"	Ua

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 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

FLR01@4

7/10/2024 2:05:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y407272-02 (Soil)
Origins Laboratory, Inc.

PAH by EPA 8270E

Surrogate	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
Surrogate: Fluorene-d10	104 %	60-130			B4G12 27		07/12/2024	07/13/2024	
Surrogate: Anthracene-d10	90.3 %	60-130			"	"	"	"	
Surrogate: Pyrene-d10	99.6 %	60-130			"	"	"	"	
Surrogate: Benzo (a) pyrene-d12	101 %	60-130			"	"	"	"	

pH in Soil by 9045D

pH	8.30		pH Units	1	B4G1218	GCG	07/12/2024	07/12/2024	
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SAR by 20B Saturated Paste

SAR	0.189	0.0100	SAR	1	B4G1213	ACC	07/12/2024	07/16/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.196	0.00500	mmhos/cm	1	B4G1218	GCG	07/12/2024	07/12/2024	
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Table 915 metals by EPA 6020B

Arsenic	2.05	0.251	mg/kg	10	B4G1105	HJD	07/11/2024	07/13/2024	
Barium	45.9	8.65	"	"	"	HJD	"	"	
Cadmium	ND	0.0865	"	"	"	HJD	"	"	
Copper	ND	8.65	"	"	"	HJD	"	"	
Lead	4.91	0.865	"	"	"	HJD	"	"	
Nickel	3.30	0.865	"	"	"	HJD	"	"	

Origins Laboratory, Inc.



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 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

FLR01@4

7/10/2024 2:05:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y407272-02 (Soil)
Origins Laboratory, Inc.

Table 915 metals by EPA 6020B

Selenium	ND	0.225	mg/kg	10	B4G1105	HJD	07/11/2024	07/13/2024	
Silver	ND	0.0865	"	"	"	HJD	"	"	
Zinc	ND	32.0	"	"	"	HJD	"	"	

GEL Laboratories, LLC

Total Metals 7196A

Hexavalent Chromium	ND	0.405	mg/kg dry	1	2643809	HH2	07/26/2024	07/26/2024	U
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 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

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 B4G1138 - EPA 5030 (soil)

Blank (B4G1138-BLK1)

Prepared: 07/11/2024 Analyzed: 07/15/2024

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	0.14		"	0.125		109	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		107	70-130			

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Jordan A. Bynon For Jen Pellegrini, Project Manager



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

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

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 B4G1138 - EPA 5030 (soil)

LCS (B4G1138-BS1)

Prepared: 07/11/2024 Analyzed: 07/15/2024

1,2,4-Trimethylbenzene	0.112	0.00200	mg/kg	0.100	112	70-130				
1,3,5-Trimethylbenzene	0.115	0.00200	"	0.100	115	70-130				
Benzene	0.101	0.00200	"	0.100	101	70-130				
Ethylbenzene	0.109	0.00200	"	0.100	109	70-130				
Naphthalene	0.116	0.00380	"	0.100	116	70-130				
Toluene	0.102	0.00200	"	0.100	102	70-130				
o-Xylene	0.113	0.00200	"	0.100	113	70-130				
m,p-Xylene	0.214	0.00400	"	0.200	107	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125	105	70-130				
Surrogate: Toluene-d8	0.13		"	0.125	103	70-130				
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	101	70-130				

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Jordan A. Bynon For Jen Pellegrini, Project Manager



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

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

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 B4G1138 - EPA 5030 (soil)

Matrix Spike (B4G1138-MS1)

Source: Y407272-01

Prepared: 07/11/2024 Analyzed: 07/15/2024

1,2,4-Trimethylbenzene	0.112	0.00200	mg/kg	0.100	ND	112	70-130			
1,3,5-Trimethylbenzene	0.115	0.00200	"	0.100	ND	115	70-130			
Benzene	0.102	0.00200	"	0.100	ND	102	70-130			
Ethylbenzene	0.110	0.00200	"	0.100	ND	110	70-130			
Naphthalene	0.0932	0.00380	"	0.100	ND	93.2	70-130			
Toluene	0.105	0.00200	"	0.100	ND	105	70-130			
o-Xylene	0.111	0.00200	"	0.100	ND	111	70-130			
m,p-Xylene	0.218	0.00400	"	0.200	ND	109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.4	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		104	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

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 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

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 B4G1138 - EPA 5030 (soil)

Matrix Spike Dup (B4G1138-MSD1)

Source: Y407272-01

Prepared: 07/11/2024 Analyzed: 07/15/2024

1,2,4-Trimethylbenzene	0.105	0.00200	mg/kg	0.100	ND	105	70-130	6.69	20	
1,3,5-Trimethylbenzene	0.105	0.00200	"	0.100	ND	105	70-130	9.22	20	
Benzene	0.102	0.00200	"	0.100	ND	102	70-130	0.628	20	
Ethylbenzene	0.101	0.00200	"	0.100	ND	101	70-130	8.81	20	
Naphthalene	0.101	0.00380	"	0.100	ND	101	70-130	8.35	20	
Toluene	0.0981	0.00200	"	0.100	ND	98.1	70-130	6.66	20	
o-Xylene	0.102	0.00200	"	0.100	ND	102	70-130	8.86	20	
m,p-Xylene	0.199	0.00400	"	0.200	ND	99.6	70-130	9.18	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		105	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

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330 Grand Ave. Unit C
Grand Junction CO 81501

Chelsea Veryser
Project Number: [none]
Project: Chevron - Torres USX AB35-09

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 B4G1201 - EPA 3550B

Blank (B4G1201-BLK1)

Prepared: 07/12/2024 Analyzed: 07/15/2024

Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	24		"	24.9		98.3	50-150			

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Jordan A. Bynon For Jen Pellegrini, Project Manager



Entrada Consulting Group
 330 Grand Ave. Unit C
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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

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 B4G1201 - EPA 3550B

LCS (B4G1201-BS1)

Prepared: 07/12/2024 Analyzed: 07/15/2024

Diesel (C10-C28)	945	50.0	mg/kg	1000		94.5	70-130			
Residual Range Organics (C28-C40)	1020	200	"	1000		102	70-130			
Surrogate: o-Terphenyl	63		"	49.8		126	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 - Torres USX AB35-09

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 B4G1201 - EPA 3550B

Matrix Spike (B4G1201-MS1)

Source: Y407272-01

Prepared: 07/12/2024 Analyzed: 07/15/2024

Diesel (C10-C28)	936	50.0	mg/kg	1000	ND	93.6	70-130			
Residual Range Organics (C28-C40)	1000	200	"	1000	ND	100	70-130			
Surrogate: o-Terphenyl	48		"	49.8		97.0	50-150			

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Jordan A. Bynon For Jen Pellegrini, Project Manager



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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

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 B4G1201 - EPA 3550B

Matrix Spike Dup (B4G1201-MSD1)

Source: Y407272-01

Prepared: 07/12/2024 Analyzed: 07/15/2024

Diesel (C10-C28)	944	50.0	mg/kg	1000	ND	94.4	70-130	0.887	35	
Residual Range Organics (C28-C40)	1000	200	"	1000	ND	100	70-130	0.385	35	
Surrogate: o-Terphenyl	49		"	49.8		98.1	50-150			

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Jordan A. Bynon For Jen Pellegrini, Project Manager

Entrada Consulting Group
 330 Grand Ave. Unit C
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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4G1105 - EPA 3050B

Blank (B4G1105-BLK1)

Prepared: 07/11/2024 Analyzed: 07/13/2024

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 (B4G1105-BS1)

Prepared: 07/11/2024 Analyzed: 07/13/2024

Arsenic	5.48	0.290	mg/kg	5.00	110	80-120				
Barium	515	10.0	"	500	103	80-120				
Cadmium	5.39	0.100	"	5.00	108	80-120				
Copper	54.7	10.0	"	50.0	109	80-120				
Lead	5.18	1.00	"	5.00	104	80-120				
Nickel	5.62	1.00	"	5.00	112	80-120				
Selenium	5.22	0.260	"	5.00	104	80-120				
Silver	5.46	0.100	"	5.00	109	80-120				
Zinc	57.9	37.0	"	50.0	116	80-120				

Matrix Spike (B4G1105-MS1)

Source: Y407237-01

Prepared: 07/11/2024 Analyzed: 07/13/2024

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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

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 B4G1105 - EPA 3050B

Matrix Spike (B4G1105-MS1)

Source: Y407237-01

Prepared: 07/11/2024 Analyzed: 07/13/2024

Arsenic	9.74	0.279	mg/kg	4.81	5.98	78.1	75-125			
Barium	565	9.62	"	481	133	90.0	75-125			
Cadmium	5.01	0.0962	"	4.81	0.285	98.2	75-125			
Copper	58.7	9.62	"	48.1	13.9	93.1	75-125			
Lead	15.7	0.962	"	4.81	12.6	64.2	75-125			QM-07
Nickel	20.2	0.962	"	4.81	16.8	70.8	75-125			QM-07
Selenium	4.68	0.250	"	4.81	0.392	89.0	75-125			
Silver	4.86	0.0962	"	4.81	0.0241	100	75-125			
Zinc	102	35.6	"	48.1	58.0	91.7	75-125			

Matrix Spike Dup (B4G1105-MSD1)

Source: Y407237-01

Prepared: 07/11/2024 Analyzed: 07/13/2024

Arsenic	9.85	0.242	mg/kg	4.18	5.98	92.5	75-125	1.11	20	
Barium	484	8.36	"	418	133	84.1	75-125	15.5	20	
Cadmium	4.67	0.0836	"	4.18	0.285	105	75-125	6.97	20	
Copper	54.5	8.36	"	41.8	13.9	97.1	75-125	7.46	20	
Lead	17.1	0.836	"	4.18	12.6	107	75-125	8.49	20	
Nickel	21.1	0.836	"	4.18	16.8	103	75-125	4.39	20	
Selenium	4.54	0.217	"	4.18	0.392	99.3	75-125	2.85	20	
Silver	4.42	0.0836	"	4.18	0.0241	105	75-125	9.38	20	
Zinc	102	30.9	"	41.8	58.0	106	75-125	0.0799	20	

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

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

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 B4G1227 - EPA 3580

Blank (B4G1227-BLK1)

Prepared: 07/12/2024 Analyzed: 07/13/2024

1-Methylnaphthalene	ND	0.002	mg/kg							Ua
2-Methylnaphthalene	ND	0.002	"							Ua
Acenaphthene	ND	0.020	"							Ua
Anthracene	ND	0.020	"							Ua
Benzo (a) anthracene	ND	0.005	"							Ua
Benzo (a) pyrene	ND	0.020	"							Ua
Benzo (b) fluoranthene	ND	0.020	"							Ua
Benzo (g,h,i) perylene	ND	0.020	"							Ua
Benzo (k) fluoranthene	ND	0.020	"							Ua
Chrysene	ND	0.020	"							Ua
Dibenz (a,h) anthracene	ND	0.020	"							Ua
Fluoranthene	ND	0.020	"							Ua
Fluorene	ND	0.020	"							Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"							Ua
Naphthalene	ND	0.002	"							Ua
Phenanthrene	ND	0.020	"							Ua
Pyrene	ND	0.020	"							Ua
Surrogate: Fluorene-d10	210		ug/kg	200		105	60-130			
Surrogate: Anthracene-d10	180		"	200		89.4	60-130			
Surrogate: Pyrene-d10	200		"	200		101	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130			

LCS (B4G1227-BS1)

Prepared: 07/12/2024 Analyzed: 07/13/2024

1-Methylnaphthalene	0.182	0.002	mg/kg	0.200		91.0	70-130			
2-Methylnaphthalene	0.179	0.002	"	0.200		89.7	70-130			
Acenaphthene	0.192	0.020	"	0.200		96.2	70-130			
Anthracene	0.168	0.020	"	0.200		84.1	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 - Torres USX AB35-09

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 B4G1227 - EPA 3580

LCS (B4G1227-BS1)

Prepared: 07/12/2024 Analyzed: 07/13/2024

Benzo (a) anthracene	0.188	0.005	mg/kg	0.200		93.8	70-130			
Benzo (a) pyrene	0.189	0.020	"	0.200		94.3	70-130			
Benzo (b) fluoranthene	0.187	0.020	"	0.200		93.3	70-130			
Benzo (g,h,i) perylene	0.178	0.020	"	0.200		89.0	70-130			
Benzo (k) fluoranthene	0.182	0.020	"	0.200		91.0	70-130			
Chrysene	0.186	0.020	"	0.200		93.2	70-130			
Dibenz (a,h) anthracene	0.178	0.020	"	0.200		89.2	70-130			
Fluoranthene	0.179	0.020	"	0.200		89.7	70-130			
Fluorene	0.206	0.020	"	0.200		103	70-130			
Indeno (1,2,3-cd) pyrene	0.178	0.020	"	0.200		88.8	70-130			
Naphthalene	0.195	0.002	"	0.200		97.5	70-130			
Phenanthrene	0.173	0.020	"	0.200		86.4	70-130			
Pyrene	0.181	0.020	"	0.200		90.4	70-130			
Surrogate: Fluorene-d10	210		ug/kg	200		105	60-130			
Surrogate: Anthracene-d10	180		"	200		89.8	60-130			
Surrogate: Pyrene-d10	200		"	200		99.3	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		98.6	60-130			

Matrix Spike (B4G1227-MS1)

Source: Y407207-01

Prepared: 07/12/2024 Analyzed: 07/13/2024

1-Methylnaphthalene	0.192	0.002	mg/kg	0.200	ND	96.1	70-130			
2-Methylnaphthalene	0.191	0.002	"	0.200	ND	95.5	70-130			
Acenaphthene	0.205	0.020	"	0.200	ND	102	70-130			
Anthracene	0.180	0.020	"	0.200	ND	89.9	70-130			
Benzo (a) anthracene	0.195	0.005	"	0.200	ND	97.4	70-130			
Benzo (a) pyrene	0.196	0.020	"	0.200	ND	98.1	70-130			
Benzo (b) fluoranthene	0.190	0.020	"	0.200	0.0005	94.9	70-130			
Benzo (g,h,i) perylene	0.186	0.020	"	0.200	ND	92.9	70-130			

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 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

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 B4G1227 - EPA 3580

Matrix Spike (B4G1227-MS1)

Source: Y407207-01

Prepared: 07/12/2024 Analyzed: 07/13/2024

Benzo (k) fluoranthene	0.195	0.020	mg/kg	0.200	ND	97.4	70-130			
Chrysene	0.200	0.020	"	0.200	0.0004	99.9	70-130			
Dibenz (a,h) anthracene	0.181	0.020	"	0.200	0.0009	90.1	70-130			
Fluoranthene	0.192	0.020	"	0.200	ND	95.8	70-130			
Fluorene	0.220	0.020	"	0.200	ND	110	70-130			
Indeno (1,2,3-cd) pyrene	0.185	0.020	"	0.200	ND	92.7	70-130			
Naphthalene	0.207	0.002	"	0.200	ND	103	70-130			
Phenanthrene	0.185	0.020	"	0.200	ND	92.4	70-130			
Pyrene	0.192	0.020	"	0.200	ND	95.8	70-130			
Surrogate: Fluorene-d10	210		ug/kg	200		105	60-130			
Surrogate: Anthracene-d10	180		"	200		90.5	60-130			
Surrogate: Pyrene-d10	200		"	200		99.5	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		100	60-130			

Matrix Spike Dup (B4G1227-MSD1)

Source: Y407207-01

Prepared: 07/12/2024 Analyzed: 07/13/2024

1-Methylnaphthalene	0.202	0.002	mg/kg	0.200	ND	101	70-130	5.20	20	
2-Methylnaphthalene	0.200	0.002	"	0.200	ND	100	70-130	4.83	20	
Acenaphthene	0.217	0.020	"	0.200	ND	108	70-130	5.59	20	
Anthracene	0.187	0.020	"	0.200	ND	93.5	70-130	3.88	20	
Benzo (a) anthracene	0.212	0.005	"	0.200	ND	106	70-130	8.53	20	
Benzo (a) pyrene	0.205	0.020	"	0.200	ND	103	70-130	4.62	20	
Benzo (b) fluoranthene	0.205	0.020	"	0.200	0.0005	102	70-130	7.61	20	
Benzo (g,h,i) perylene	0.200	0.020	"	0.200	ND	100	70-130	7.50	20	
Benzo (k) fluoranthene	0.204	0.020	"	0.200	ND	102	70-130	4.57	20	
Chrysene	0.207	0.020	"	0.200	0.0004	103	70-130	3.27	20	
Dibenz (a,h) anthracene	0.199	0.020	"	0.200	0.0009	99.0	70-130	9.37	20	
Fluoranthene	0.203	0.020	"	0.200	ND	101	70-130	5.75	20	

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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

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 B4G1227 - EPA 3580

Matrix Spike Dup (B4G1227-MSD1)

Source: Y407207-01

Prepared: 07/12/2024 Analyzed: 07/13/2024

Fluorene	0.227	0.020	mg/kg	0.200	ND	114	70-130	3.25	20	
Indeno (1,2,3-cd) pyrene	0.200	0.020	"	0.200	ND	99.8	70-130	7.42	20	
Naphthalene	0.215	0.002	"	0.200	ND	108	70-130	4.16	20	
Phenanthrene	0.194	0.020	"	0.200	ND	96.9	70-130	4.77	20	
Pyrene	0.199	0.020	"	0.200	ND	99.7	70-130	4.01	20	
Surrogate: Fluorene-d10	210		ug/kg	200		105	60-130			
Surrogate: Anthracene-d10	180		"	200		91.0	60-130			
Surrogate: Pyrene-d10	200		"	200		98.8	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		100	60-130			

Origins Laboratory, Inc.

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Jordan A. Bynon For Jen Pellegrini, Project Manager

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

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

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 B4G1209 - DTPA Sorbitol Preparation

Prepared: 07/12/2024 Analyzed: 07/16/2024

Blank (B4G1209-BLK1)

Boron ND 0.100 mg/L

Duplicate (B4G1209-DUP1)

Source: Y407237-01

Prepared: 07/12/2024 Analyzed: 07/16/2024

Boron 2.61 0.0997 mg/L 2.43 7.11 50

Batch B4G1213 - Saturated Paste Metals

Prepared: 07/12/2024 Analyzed: 07/16/2024

Blank (B4G1213-BLK1)

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 (B4G1213-DUP1)

Source: Y407272-01

Prepared: 07/12/2024 Analyzed: 07/16/2024

SAR ND 0.0100 SAR 0.311 200

Calcium PPM 30.0 10.0 mg/L 32.1 6.71 50

Magnesium PPM 5.23 10.0 " 6.26 17.9 50

Sodium PPM 5.90 10.0 " 7.35 21.9 50

Origins Laboratory, Inc.



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

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

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 B4G1218 - Saturated Paste pH/EC

Blank (B4G1218-BLK1)

Prepared: 07/12/2024 Analyzed: 07/13/2024

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B4G1218-DUP1) **Source: Y407272-01**

Prepared: 07/12/2024 Analyzed: 07/12/2024

pH 8.24 pH Units 8.24 0.00 25

Specific Conductance (EC) 0.261 0.00500 mmhos/cm 0.295 12.2 25

Origins Laboratory, Inc.

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Jordan A. Bynon For Jen Pellegrini, Project Manager



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

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Torres USX AB35-09

Total Metals 7196A - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2643809 - SW846 3060A

BLANK (1205795528-BLK)

Prepared: 07/26/2024 Analyzed: 07/26/2024

Hexavalent Chromium	ND	0.375	mg/kg							U
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LCS (1205795529-BKS)

Prepared: 07/26/2024 Analyzed: 07/26/2024

Hexavalent Chromium	3.84	0.383	mg/kg	3.83		100	80-120			
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DUP (1205795530 D)

Source: 673825001

Prepared: 07/26/2024 Analyzed: 07/26/2024

Hexavalent Chromium	0.288	0.365	mg/kg dry		0.291		0-50	1.11	50	J
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MS (1205795531 S)

Source: 673825001

Prepared: 07/26/2024 Analyzed: 07/26/2024

Hexavalent Chromium	3.51	0.378	mg/kg dry	3.78	0.291	85	75-125			
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DUP (1205795532 D)

Source: 674961001

Prepared: 07/26/2024 Analyzed: 07/26/2024

Hexavalent Chromium	ND	0.406	mg/kg dry		<0.163		0-50	N/A	50	U
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MS (1205795533 S)

Source: 674961001

Prepared: 07/26/2024 Analyzed: 07/26/2024

Hexavalent Chromium	3.07	0.403	mg/kg dry	4.03	<0.161	73.1	75-125			
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ILCS (1205801833-ILCS)

Prepared: 07/26/2024 Analyzed: 07/26/2024

Hexavalent Chromium	7.99	0.380	mg/kg	7.60		105	80-120			
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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 - Torres USX AB35-09

Notes and Definitions

- Ua Sample is Non-Detect.
 - U Result not detected above the detection limit
 - QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
 - J Greater than the detection limit but less than the reporting limit
 - ND Analyte NOT DETECTED at or above the reporting limit
 - RPD Relative Percent Difference
- All soil results are reported at a wet weight basis.
Calculated results may use J-flag data (instead of reported "ND") as part of calculation to provide a more accurate result.

Origins Laboratory, Inc.



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