



Entrada Consulting Group

January 06, 2025

Chelsea Veryser

330 Grand Ave. Unit C

Grand Junction CO 81501

Project Name - Chevron - HSR Traurig 1-24

Project Number - [none]

Attached are your analytical results for Chevron - HSR Traurig 1-24 received by Origins Laboratory November 22, 2024. This project is associated with Origins project number E4K0765-01.

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



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

Chelsea Veryser
Project Number: [none]
Project: Chevron - HSR Taurig 1-24

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH01@6	E4K0765-01	Soil	November 21, 2024 8:00	11/22/2024 17:45

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 - HSR Traurig 1-24

Client: Entrada
 Address: _____
 Project Manager: Chelsea Verysen
 Project Name: HSR Traurig 1-24
 Project Number: _____
 Key: _____


Telephone Number: 303-319-8703
 Email Address: Entrada Distribution
 Collected By: Jen Lerner
 Invoice/Billing Info: Bill to Chevron (Ashy Smith)
 S/W=Surface Water
 GW=Groundwater
 WW=Waste Water
 L=Liquid

S=Soil | SC=Solid | O=Oil | A=Air | G=Gas | UWP=Urgent | HCL=Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide

#	Sample ID	Date	Time	# of Containers	Matrix	Preservative	Analysis		Comments
							266	715	
1	MH0106	11/21/09	0800	2	S	UWP	X		
2	MH011109		0805						Hold
3	MH011109		0810						Hold
4	MH011109		0815						Hold
5	MH011109		0820						Hold
6									
7									
8									
9									
10									

Decontaminated By: _____ Date: 11/22/09 Time: 0700
 Relinquished By: WK Date: 11/22/24 Time: 1745
 Received By: WK Date: 11/22/24 Time: 810
 Received By: JAD Date: 11/22/24 Time: 1745

1725 Elk Place Denver, Co. 80211 | # 303.433.1322 | originslab.com | Temp Received - 4, 2 Received On Ice? Yes No
 Turnaround Time Standard 48 Hr 72 Hr SAME DAY 24 Hr

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 - HSR Traurig 1-24

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

Sample Receipt Checklist

Origins Work Order: EUK0765 Client: Entrada
 Client Project ID: HSR Traurig 1-24

Checklist Completed by: TJH/WS Shipped Via: TLD
 Date/time completed: 11/25/24 (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, 4.2 °c / _____ °c / _____ °c (Describe)
 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)?}	/			
Is there ice present (document if blue ice is used)	/			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		//		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		//		
Were all samples received intact ^{(1)?}	/			
Was adequate sample volume provided ^{(1)?}	/			
Are short holding time analytes or samples with HTs due within 48 hours present ^{(1)?}		/		
Is a chain-of-custody (COC) present and filled out completely ^{(1)?}	/			
Does the COC agree with the number and type of sample bottles received ^{(1)?}	/			
Do the sample IDs on the bottle labels match the COC ^{(1)?}	/			
Is the COC properly relinquished by the client with date and time recorded ^{(1)?}	/			
For volatiles in water — is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	/		/	
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 HNO3, HCL, H2SO4) / (pH > 10 for samples preserved with NaAsO2=NaOH, ZnAc=HgOH)			/	
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) [Signature] Date/Time Reviewed 11/27/24

Origins Laboratory

[Signature]

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

Chelsea Veryser
Project Number: [none]
Project: Chevron - HSR Traurig 1-24

WH01@6

11/21/2024 8:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4K0765-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.302		0.102	mg/L	1	B4K2610	11/26/2024	11/27/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4K2640	11/26/2024	11/27/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	85.9 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4K2731	11/27/2024	12/01/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	118 %		70-130			"	"	"	
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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 - HSR Taurig 1-24

WH01@6

11/21/2024 8:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4K0765-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	103 %		70-130			B4K27 31	11/27/2024	12/01/2024	
Surrogate: 4-Bromofluorobenzene	103 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.826		0.499	meq/L	10	[CALC]	11/26/2024	12/03/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	2.13		0.435	"	"	"	"	"	

PAH by 8270E SIM

1-Methylnaphthalene	ND	0.00124	0.00377	mg/kg dry	1	2715404	12/05/2024	12/06/2024	U
2-Methylnaphthalene	ND	0.00124	0.00377	"	"	"	"	"	U
Acenaphthene	ND	0.00124	0.00377	"	"	"	"	"	U
Anthracene	ND	0.00124	0.00377	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00124	0.00377	"	"	"	"	"	U
Benzo(a)pyrene	ND	0.00124	0.00377	"	"	"	"	"	U
Benzo(b)fluoranthene	ND	0.00124	0.00377	"	"	"	"	"	U
Benzo(k)fluoranthene	ND	0.00124	0.00377	"	"	"	"	"	U
Chrysene	ND	0.00124	0.00377	"	"	"	"	"	U
Dibenzo(a,h)anthracene	ND	0.00124	0.00377	"	"	"	"	"	U
Fluoranthene	ND	0.00124	0.00377	"	"	"	"	"	U

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Chelsea Veryser
Project Number: [none]
Project: Chevron - HSR Traurig 1-24

WH01@6

11/21/2024 8:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC
E4K0765-01 (Soil)

PAH by 8270E SIM

Fluorene	ND	0.00124	0.00377	mg/kg dry	1	2715404	12/05/2024	12/06/2024	U
Indeno(1,2,3-cd)pyrene	ND	0.00124	0.00377	"	"	"	"	"	U
Naphthalene	ND	0.00124	0.00377	"	"	"	"	"	U
Pyrene	ND	0.00124	0.00377	"	"	"	"	"	U

Surrogate: 5-alpha-Androstane 60 % 22-135 " " "

pH in Soil by 9045D

pH 9.99 pH Units 1 B4K2629 11/26/2024 12/03/2024

SAR by 20B Saturated Paste

SAR 3.12 0.0100 SAR 1 B4K2622 11/26/2024 12/03/2024

Specific Conductance Mod. 9050A

Specific Conductance (EC) 0.415 0.00500 mmhos/cm 1 B4K2629 11/26/2024 12/03/2024

Table 915 metals by EPA 6020B

Arsenic	1.83	0.259	mg/kg	10	B4K2538	11/25/2024	12/04/2024
Barium	43.4	8.94	"	"	"	"	"
Cadmium	0.0930	0.0894	"	"	"	"	"

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Chelsea Veryser
Project Number: [none]
Project: Chevron - HSR Traurig 1-24

WH01@6

11/21/2024 8:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4K0765-01 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		8.94	mg/kg	10	B4K2538	11/25/2024	12/04/2024	
Lead	12.3		0.894	"	"	"	"	"	
Nickel	5.25		0.894	"	"	"	"	"	
Selenium	ND		0.232	"	"	"	"	"	
Silver	ND		0.0894	"	"	"	"	"	
Zinc	34.6		33.1	"	"	"	"	"	

Total Metals by 7196A

Hexavalent Chromium	ND	0.174	0.435	mg/kg dry	1	2722482	12/20/2024	12/24/2024	U
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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 - HSR Traurig 1-24

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 B4K2640 - EPA 3550B										
Blank (B4K2640-BLK1)										
					Prepared: 11/26/2024 Analyzed: 11/27/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	23		"	24.9		93.6	50-150			

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Entrada Consulting Group
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 Grand Junction CO 81501

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - HSR Traurig 1-24

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 B4K2640 - EPA 3550B

LCS (B4K2640-BS1)

Prepared: 11/26/2024 Analyzed: 11/27/2024

Diesel (C10-C28)	1060	50.0	mg/kg	1000		106	70-130			
Residual Range Organics (C28-C40)	1090	200	"	1000		109	70-130			
Surrogate: o-Terphenyl	54		"	49.8		108	50-150			

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 - HSR Traurig 1-24

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 B4K2640 - EPA 3550B

Matrix Spike (B4K2640-MS1)	Source: E4K0761-01		Prepared: 11/26/2024 Analyzed: 11/27/2024							
Diesel (C10-C28)	1070	50.0	mg/kg	1000	ND	107	70-130			
Residual Range Organics (C28-C40)	1070	200	"	1000	ND	107	70-130			
Surrogate: o-Terphenyl	49		"	49.8		98.5	50-150			

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 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - HSR Traurig 1-24

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 B4K2640 - EPA 3550B

Matrix Spike Dup (B4K2640-MSD1)	Source: E4K0761-01		Prepared: 11/26/2024 Analyzed: 11/27/2024							
Diesel (C10-C28)	1020	50.0	mg/kg	1000	ND	102	70-130	4.48	35	
Residual Range Organics (C28-C40)	1030	200	"	1000	ND	103	70-130	4.07	35	
Surrogate: o-Terphenyl	42		"	49.8		84.8	50-150			

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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - HSR Traurig 1-24

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 B4K2731 - EPA 5030 (soil)

Blank (B4K2731-BLK1)

Prepared: 11/27/2024 Analyzed: 12/01/2024

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	115		70-130			
Surrogate: Toluene-d8	0.14		"	0.125	113		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	95.2		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 - HSR Traurig 1-24

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 B4K2731 - EPA 5030 (soil)

LCS (B4K2731-BS1)

Prepared: 11/27/2024 Analyzed: 12/01/2024

1,2,4-Trimethylbenzene	0.106	0.00200	mg/kg	0.100		106	70-130			
1,3,5-Trimethylbenzene	0.104	0.00200	"	0.100		104	70-130			
Benzene	0.0965	0.00200	"	0.100		96.5	70-130			
Ethylbenzene	0.113	0.00200	"	0.100		113	70-130			
Naphthalene	0.107	0.00380	"	0.100		107	70-130			
Toluene	0.107	0.00200	"	0.100		107	70-130			
o-Xylene	0.112	0.00200	"	0.100		112	70-130			
m,p-Xylene	0.212	0.00400	"	0.200		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		111	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		105	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	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 - HSR Traurig 1-24

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 B4K2731 - EPA 5030 (soil)

Matrix Spike (B4K2731-MS1)	Source: E4K0758-01			Prepared: 11/27/2024 Analyzed: 12/01/2024						
1,2,4-Trimethylbenzene	0.101	0.00200	mg/kg	0.100	ND	101	70-130			
1,3,5-Trimethylbenzene	0.103	0.00200	"	0.100	ND	103	70-130			
Benzene	0.0923	0.00200	"	0.100	ND	92.3	70-130			
Ethylbenzene	0.103	0.00200	"	0.100	ND	103	70-130			
Naphthalene	0.105	0.00380	"	0.100	ND	105	70-130			
Toluene	0.111	0.00200	"	0.100	ND	111	70-130			
o-Xylene	0.103	0.00200	"	0.100	ND	103	70-130			
m,p-Xylene	0.193	0.00400	"	0.200	ND	96.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		108	70-130			
Surrogate: Toluene-d8	0.14		"	0.125		112	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

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Entrada Consulting Group
330 Grand Ave. Unit C
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Chelsea Veryser
Project Number: [none]
Project: Chevron - HSR Traurig 1-24

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 B4K2731 - EPA 5030 (soil)										
Matrix Spike Dup (B4K2731-MSD1)										
			Source: E4K0758-01			Prepared: 11/27/2024 Analyzed: 12/01/2024				
1,2,4-Trimethylbenzene	0.0991	0.00200	mg/kg	0.100	ND	99.1	70-130	2.24	20	
1,3,5-Trimethylbenzene	0.0995	0.00200	"	0.100	ND	99.5	70-130	3.36	20	
Benzene	0.0934	0.00200	"	0.100	ND	93.4	70-130	1.23	20	
Ethylbenzene	0.100	0.00200	"	0.100	ND	100	70-130	2.64	20	
Naphthalene	0.105	0.00380	"	0.100	ND	105	70-130	0.114	20	
Toluene	0.0982	0.00200	"	0.100	ND	98.2	70-130	12.3	20	
o-Xylene	0.102	0.00200	"	0.100	ND	102	70-130	0.900	20	
m,p-Xylene	0.188	0.00400	"	0.200	ND	94.2	70-130	2.40	20	
Surrogate: 1,2-Dichloroethane-d4	0.15		"	0.125		118	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		106	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 - HSR Traurig 1-24

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 B4K2538 - EPA 3050B

Blank (B4K2538-BLK1)

Prepared: 11/25/2024 Analyzed: 12/03/2024

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 (B4K2538-BS1)

Prepared: 11/25/2024 Analyzed: 12/03/2024

Arsenic	5.06	0.290	mg/kg	5.00		101	80-120			
Barium	524	10.0	"	500		105	80-120			
Cadmium	4.98	0.100	"	5.00		99.7	80-120			
Copper	51.0	10.0	"	50.0		102	80-120			
Lead	5.08	1.00	"	5.00		102	80-120			
Nickel	5.26	1.00	"	5.00		105	80-120			
Selenium	5.26	0.260	"	5.00		105	80-120			
Silver	5.58	0.100	"	5.00		112	80-120			
Zinc	53.0	37.0	"	50.0		106	80-120			

Matrix Spike (B4K2538-MS1)

Source: E4K0761-01

Prepared: 11/25/2024 Analyzed: 12/03/2024

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 - HSR Traurig 1-24

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 B4K2538 - EPA 3050B

Matrix Spike (B4K2538-MS1)	Source: E4K0761-01			Prepared: 11/25/2024 Analyzed: 12/03/2024						
Arsenic	12.8	0.259	mg/kg	4.46	8.03	108	75-125			
Barium	602	8.92	"	446	123	107	75-125			
Cadmium	4.79	0.0892	"	4.46	0.220	102	75-125			
Copper	57.5	8.92	"	44.6	11.5	103	75-125			
Lead	15.6	0.892	"	4.46	10.7	110	75-125			
Nickel	22.4	0.892	"	4.46	16.9	124	75-125			
Selenium	4.83	0.232	"	4.46	0.301	102	75-125			
Silver	5.23	0.0892	"	4.46	0.135	114	75-125			
Zinc	106	33.0	"	44.6	57.6	109	75-125			

Matrix Spike Dup (B4K2538-MSD1)	Source: E4K0761-01			Prepared: 11/25/2024 Analyzed: 12/03/2024						
Arsenic	12.7	0.261	mg/kg	4.49	8.03	103	75-125	1.43	20	
Barium	616	8.99	"	449	123	110	75-125	2.36	20	
Cadmium	4.73	0.0899	"	4.49	0.220	100	75-125	1.26	20	
Copper	55.8	8.99	"	44.9	11.5	98.6	75-125	2.94	20	
Lead	15.4	0.899	"	4.49	10.7	105	75-125	1.26	20	
Nickel	22.0	0.899	"	4.49	16.9	114	75-125	1.99	20	
Selenium	5.10	0.234	"	4.49	0.301	107	75-125	5.37	20	
Silver	5.17	0.0899	"	4.49	0.135	112	75-125	1.19	20	
Zinc	102	33.3	"	44.9	57.6	98.2	75-125	4.37	20	

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

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - HSR Traurig 1-24

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 B4K2610 - DTPA Sorbitol Preparation

Blank (B4K2610-BLK1)

Prepared: 11/26/2024 Analyzed: 11/27/2024

Boron ND 0.100 mg/L

Duplicate (B4K2610-DUP1)

Source: E4K0759-05

Prepared: 11/26/2024 Analyzed: 11/27/2024

Boron 0.347 0.0990 mg/L 0.322 7.43 50

Batch B4K2622 - Saturated Paste Metals

Blank (B4K2622-BLK1)

Prepared: 11/26/2024 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 (B4K2622-DUP1)

Source: E4K0695-01

Prepared: 11/26/2024 Analyzed: 12/03/2024

SAR ND 0.0100 SAR ND 200

Calcium PPM 28.0 10.0 mg/L 25.5 9.28 50

Magnesium PPM 3.72 10.0 " 3.40 8.99 50

Sodium PPM 10.3 10.0 " 11.0 6.68 50

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330 Grand Ave. Unit C
Grand Junction CO 81501

Chelsea Veryser
Project Number: [none]
Project: Chevron - HSR Taurig 1-24

**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 B4K2629 - Saturated Paste pH/EC

Blank (B4K2629-BLK1)

Prepared: 11/26/2024 Analyzed: 12/03/2024

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B4K2629-DUP1)

Source: E4K0695-01

Prepared: 11/26/2024 Analyzed: 12/03/2024

pH	8.04		pH Units		8.13			1.11	25	
Specific Conductance (EC)	0.357	0.00500	mmhos/cm		0.321			10.5	25	

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Entrada Consulting Group
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 Grand Junction CO 81501

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - HSR Traurig 1-24

PAH by 8270E SIM - 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 2715404 - SW846 3541

BLANK (1205938808-BLK)

Prepared: 12/05/2024 Analyzed: 12/05/2024

Naphthalene	ND	0.00332	mg/kg				-			U
Indeno(1,2,3-cd)pyrene	ND	0.00332	"				-			U
Acenaphthene	ND	0.00332	"				-			U
Pyrene	ND	0.00332	"				-			U
2-Methylnaphthalene	ND	0.00332	"				-			U
Benzo(b)fluoranthene	ND	0.00332	"				-			U
Benzo(a)anthracene	ND	0.00332	"				-			U
1-Methylnaphthalene	ND	0.00332	"				-			U
Anthracene	ND	0.00332	"				-			U
Benzo(a)pyrene	ND	0.00332	"				-			U
Benzo(k)fluoranthene	ND	0.00332	"				-			U
Chrysene	ND	0.00332	"				-			U
Dibenzo(a,h)anthracene	ND	0.00332	"				-			U
Fluoranthene	ND	0.00332	"				-			U
Fluorene	ND	0.00332	"				-			U

Surrogate: 5-alpha-Androstane

0.157

"

0.166

94

22-135

LCS (1205938809-BKS)

Prepared: 12/05/2024 Analyzed: 12/05/2024

Anthracene	0.255	0.00332	mg/kg	0.332		77	41-117			
Benzo(k)fluoranthene	0.249	0.00332	"	0.332		75	40-122			
Naphthalene	0.247	0.00332	"	0.332		74	38-109			
2-Methylnaphthalene	0.263	0.00332	"	0.332		79	39-110			
1-Methylnaphthalene	0.251	0.00332	"	0.332		76	39-109			
Acenaphthene	0.250	0.00332	"	0.332		75	41-112			
Indeno(1,2,3-cd)pyrene	0.270	0.00332	"	0.332		81	38-133			
Fluorene	0.244	0.00332	"	0.332		73	37-115			
Fluoranthene	0.261	0.00332	"	0.332		79	39-119			

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 - HSR Traurig 1-24

PAH by 8270E SIM - 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 2715404 - SW846 3541

LCS (1205938809-BKS)

Prepared: 12/05/2024 Analyzed: 12/05/2024

Chrysene	0.269	0.00332	mg/kg	0.332		81	42-117			
Pyrene	0.254	0.00332	"	0.332		76	38-117			
Benzo(b)fluoranthene	0.268	0.00332	"	0.332		81	39-123			
Benzo(a)pyrene	0.275	0.00332	"	0.332		83	39-127			
Benzo(a)anthracene	0.271	0.00332	"	0.332		82	42-120			
Dibenzo(a,h)anthracene	0.265	0.00332	"	0.332		80	38-132			

Surrogate: 5-alpha-Androstane 0.158 " 0.166 95 22-135

LCSD (1205938810-BKSD)

Prepared: 12/05/2024 Analyzed: 12/05/2024

Benzo(k)fluoranthene	0.282	0.00330	mg/kg	0.330		86	40-122	12	30	
1-Methylnaphthalene	0.286	0.00330	"	0.330		87	39-109	13	30	
2-Methylnaphthalene	0.304	0.00330	"	0.330		92	39-110	15	30	
Acenaphthene	0.286	0.00330	"	0.330		87	41-112	14	30	
Anthracene	0.289	0.00330	"	0.330		88	41-117	13	30	
Benzo(a)anthracene	0.300	0.00330	"	0.330		91	42-120	10	30	
Pyrene	0.284	0.00330	"	0.330		86	38-117	11	30	
Benzo(b)fluoranthene	0.289	0.00330	"	0.330		87	39-123	8	30	
Naphthalene	0.287	0.00330	"	0.330		87	38-109	15	30	
Chrysene	0.296	0.00330	"	0.330		90	42-117	9	30	
Dibenzo(a,h)anthracene	0.299	0.00330	"	0.330		91	38-132	12	30	
Fluoranthene	0.291	0.00330	"	0.330		88	39-119	11	30	
Fluorene	0.280	0.00330	"	0.330		85	37-115	14	30	
Indeno(1,2,3-cd)pyrene	0.299	0.00330	"	0.330		91	38-133	10	30	
Benzo(a)pyrene	0.303	0.00330	"	0.330		92	39-127	10	30	

Surrogate: 5-alpha-Androstane 0.176 " 0.165 107 22-135

MS (1205938811 S)

Source: 697693001

Prepared: 12/05/2024 Analyzed: 12/05/2024

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 - HSR Traurig 1-24

PAH by 8270E SIM - 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 2715404 - SW846 3541

MS (1205938811 S)

Source: 697693001

Prepared: 12/05/2024 Analyzed: 12/05/2024

Benzo(a)pyrene	0.233	0.00386	mg/kg dry	0.386	<0.00127	61	16-133			
Benzo(b)fluoranthene	0.213	0.00386	"	0.386	<0.00127	55	14-136			
1-Methylnaphthalene	0.206	0.00386	"	0.386	<0.00127	53	15-129			
2-Methylnaphthalene	0.203	0.00386	"	0.386	<0.00127	52	15-132			
Acenaphthene	0.230	0.00386	"	0.386	<0.00127	60	17-129			
Anthracene	0.229	0.00386	"	0.386	<0.00127	59	18-136			
Benzo(k)fluoranthene	0.207	0.00386	"	0.386	<0.00127	54	18-138			
Benzo(a)anthracene	0.220	0.00386	"	0.386	<0.00127	57	20-132			
Pyrene	0.261	0.00386	"	0.386	<0.00127	68	12-139			
Chrysene	0.235	0.00386	"	0.386	<0.00127	61	19-129			
Dibenzo(a,h)anthracene	0.187	0.00386	"	0.386	<0.00127	48	11-134			
Fluoranthene	0.251	0.00386	"	0.386	<0.00127	65	14-136			
Fluorene	0.227	0.00386	"	0.386	<0.00127	59	16-134			
Indeno(1,2,3-cd)pyrene	0.209	0.00386	"	0.386	<0.00127	54	13-134			
Naphthalene	0.235	0.00386	"	0.386	<0.00127	61	16-126			

Surrogate: 5-alpha-Androstane

0.0579

"

0.193

0.135

30

22-135

MSD (1205938812 SD)

Source: 697693001

Prepared: 12/05/2024 Analyzed: 12/05/2024

2-Methylnaphthalene	0.202	0.00387	mg/kg dry	0.387	<0.00128	52	15-132	0	30	
Fluoranthene	0.236	0.00387	"	0.387	<0.00128	61	14-136	6	30	
1-Methylnaphthalene	0.202	0.00387	"	0.387	<0.00128	52	15-129	2	30	
Anthracene	0.220	0.00387	"	0.387	<0.00128	57	18-136	4	30	
Benzo(a)anthracene	0.207	0.00387	"	0.387	<0.00128	53	20-132	6	30	
Benzo(a)pyrene	0.221	0.00387	"	0.387	<0.00128	57	16-133	6	30	
Benzo(b)fluoranthene	0.208	0.00387	"	0.387	<0.00128	54	14-136	2	30	
Benzo(k)fluoranthene	0.196	0.00387	"	0.387	<0.00128	51	18-138	5	30	
Acenaphthene	0.216	0.00387	"	0.387	<0.00128	56	17-129	7	30	

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

Chelsea Veryser
Project Number: [none]
Project: Chevron - HSR Traurig 1-24

PAH by 8270E SIM - 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 2715404 - SW846 3541

MSD (1205938812 SD)	Source: 697693001			Prepared: 12/05/2024 Analyzed: 12/05/2024						
Dibenzo(a,h)anthracene	0.198	0.00387	mg/kg dry	0.387	<0.00128	51	11-134	6	30	
Fluorene	0.223	0.00387	"	0.387	<0.00128	58	16-134	2	30	
Indeno(1,2,3-cd)pyrene	0.207	0.00387	"	0.387	<0.00128	54	13-134	1	30	
Naphthalene	0.210	0.00387	"	0.387	<0.00128	54	16-126	11	30	
Pyrene	0.240	0.00387	"	0.387	<0.00128	62	12-139	8	30	
Chrysene	0.215	0.00387	"	0.387	<0.00128	56	19-129	9	30	
Surrogate: 5-alpha-Androstane	0.0666		"	0.194	0.135	34	22-135			

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

Chelsea Veryser
Project Number: [none]
Project: Chevron - HSR Traurig 1-24

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2722482 - SW846 3060A										
BLANK (1205953255-BLK)					Prepared: 12/20/2024 Analyzed: 12/24/2024					
Hexavalent Chromium	ND	0.345	mg/kg				-			U
LCS (1205953256-BKS)					Prepared: 12/20/2024 Analyzed: 12/24/2024					
Hexavalent Chromium	3.77	0.365	mg/kg	3.65		103	80-120			
DUP (1205953257 D)					Source: 697901030 Prepared: 12/20/2024 Analyzed: 12/24/2024					
Hexavalent Chromium	ND	0.423	mg/kg dry		<0.169		0-50	N/A	50	U
MS (1205953258 S)					Source: 697901030 Prepared: 12/20/2024 Analyzed: 12/24/2024					
Hexavalent Chromium	2.43	0.367	mg/kg dry	3.67	<0.147	64.9	75-125			
DUP (1205953259 D)					Source: 697901031 Prepared: 12/20/2024 Analyzed: 12/24/2024					
Hexavalent Chromium	ND	0.375	mg/kg dry		<0.150		0-50	N/A	50	U
MS (1205953260 S)					Source: 697901031 Prepared: 12/20/2024 Analyzed: 12/24/2024					
Hexavalent Chromium	3.41	0.385	mg/kg dry	3.85	<0.154	87.2	75-125			
ILCS (1205953261-ILCS)					Prepared: 12/20/2024 Analyzed: 12/24/2024					
Hexavalent Chromium	7.69	0.352	mg/kg	7.07		109	80-120			

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

Chelsea Veryser
Project Number: [none]
Project: Chevron - HSR Taurig 1-24

Notes and Definitions

Ua Sample is Non-Detect.

U Result not detected above the detection limit

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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