



Entrada Consulting Group

Chelsea Veryser

330 Grand Ave. Unit C

Grand Junction CO 81501

April 02, 2025

Project Name - Chevron - Roger 1

Project Number - [none]

Attached are your analytical results for Chevron - Roger 1 received by Origins Laboratory March 12, 2025. This project is associated with Origins project number E5C0453-01.

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

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

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

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

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

Origins Laboratory
303.433.1322
projectmanager@originslab.com



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



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

Chelsea Verysen
Project Number: [none]
Project: Chevron - Roger 1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH01@6	E5C0453-01	Soil	March 12, 2025 8:00	03/12/2025 17:18

Origins Laboratory

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ORIGINS LABORATORY

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

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Roger 1

ORIGINS
 LABORATORY

ESCOURS

Page 1 of 1

Client: Entrada
 Project Manager: Chelsea Veryser
 Project Name: Roger 1
 Project Number: _____
 Key: _____

Telephone Number: 970 726 6196
 Collected By: T. W. Smith, D. Johnson
 Email Address: Chad.Walsh@Entrada.com
 Invoice Billing Info: Bill to D. Smith, Entrada
 SI=Surface Water
 WI=Waste Water


SSoil (SO-Solid) (S=Oil) A=Air G=Gas H=Hydrochloric HCl=Hydrochloric HNO3=Nitric H2SO4=Sulfuric NaOH=Sodium Hydroxide

Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix Preservative	Analysis		Comments
					SI	WI	
Wt 01 06	3/12/25	0800	2	S	SI		
FLRA 04		0805	1				HL
Wt 1-N 04		0810	1				HL
Wt 1-E 04		0815	1				HL
Wt 1-S 04		0820	1				HL

Reimbursed By: [Signature] Date: 3/12/25 Time: 17:15
 Received By: WK Date: 03/12/25 Time: 16:00

Temp Received: 51°C Received on ice? Yes No

Turnaround Time: 48 Hr 72 Hr Same Day

Origins Laboratory


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ORIGINS LABORATORY

Entrada Consulting Group
330 Grand Ave. Unit C
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Chelsea Verysen
Project Number: [none]
Project: Chevron - Roger 1

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

Sample Receipt Checklist

Origins Work Order: ESL0453 Client: Entrada
Client Project ID: Roger 1
Checklist Completed by: EHO Shipped Via: LD
Date/time completed: 3/15/25 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
Airbill #: N/A
Matrix(s) Received: (Check all that apply): 10 Soil/Solid 1 Water 1 Other: _____
Cooler Number/Temperature: 1 15.1 °C _____ °C _____ °C (Describe) _____ °C
Thermometer ID: 7007

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
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 HNO3, HCL, H2SO4) / (pH > 10 for samples preserved with Na2CO3+NaOH, ZnAc+NaOH)	<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 to be in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) EHO

Date/Time Reviewed 3/16/25

Origins Laboratory

EHO

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

Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Roger 1

WH01@6
3/12/2025 8:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0453-01 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.351		0.101	mg/L	1	B5C1419	03/14/2025	03/17/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C1847	03/18/2025	03/21/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: <i>o</i> -Terphenyl	70.2 %								
				50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C1451	03/14/2025	03/18/2025	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	109 %								
Surrogate: Toluene-d8	88.0 %								
Surrogate: 4-Bromofluorobenzene	96.8 %								

Origins Laboratory

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Chelsea Verysen
Project Number: [none]
Project: Chevron - Roger 1

WH01@6

3/12/2025 8:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0453-01 (Soil)									
Origins Laboratory									
Metals by Saturated Paste by EPA 6010									
Calcium	1.94		0.499	meq/L	10	[CALC]	03/17/2025	03/20/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.846		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.33			pH Units	1	B5C1727	03/17/2025	03/19/2025	
SAR by 20B Saturated Paste									
SAR	0.732		0.0100	SAR	1	B5C1721	03/17/2025	03/20/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.375		0.00500	mmhos/cm	1	B5C1727	03/17/2025	03/19/2025	
Table 915 metals by EPA 6020B									
Arsenic	5.04		0.286	mg/kg	10	B5C1357	03/13/2025	03/15/2025	
Barium	160		9.87	"	"	"	"	"	
Cadmium	0.196		0.0987	"	"	"	"	"	
Copper	14.7		9.87	"	"	"	"	"	
Lead	13.0		0.987	"	"	"	"	"	
Nickel	14.3		0.987	"	"	"	"	"	
Selenium	ND		0.257	"	"	"	"	"	

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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Roger 1

WH01@6

3/12/2025 8:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0453-01 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Silver	ND		0.0987	mg/kg	10	B5C1357	03/13/2025	03/15/2025	
Zinc	52.7		36.5	"	"	"	"	"	

Waypoint Analytical, LLC.

PAH by 8270D

1-Methylnaphthalene	0.00467	0.00109	0.00201	mg/Kg	1	L806121	03/19/2025	03/22/2025	
2-Methylnaphthalene	0.00986	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	
Fluorene	0.000339	0.000286	0.00067	"	"	"	"	"	J
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	0.0123	0.00145	0.00201	"	"	"	"	"	

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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Roger 1

WH01@6

3/12/2025 8:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0453-01 (Soil)									
Waypoint Analytical, LLC.									
PAH by 8270D									
Pyrene	ND	0.000643	0.00067	mg/Kg	1	L806121	03/19/2025	03/22/2025	
Surrogate: 2-Fluorobiphenyl	54.8 %			33-115		"	"	"	
Surrogate: 4-Terphenyl-d14	63.3 %			33-122		"	"	"	
Surrogate: Nitrobenzene-d5	53.6 %			29-110		"	"	"	
Total Metals 7196A									
Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	L807284	03/12/2025	03/25/2025	

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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Roger 1

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 B5C1419 - DTPA Sorbitol Preparation

Blank (B5C1419-BLK1)

Prepared: 03/14/2025 Analyzed: 03/17/2025

Boron ND 0.100 mg/L

Duplicate (B5C1419-DUP1)

Source: E5C0450-03

Prepared: 03/14/2025 Analyzed: 03/17/2025

Boron 0.184 0.111 mg/L 0.184 0.00233 50

Batch B5C1721 - Saturated Paste Metals

Blank (B5C1721-BLK1)

Prepared: 03/17/2025 Analyzed: 03/20/2025

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 (B5C1721-DUP1)

Source: E5C0451-07

Prepared: 03/17/2025 Analyzed: 03/20/2025

Calcium PPM 41.1 10.0 mg/L 40.6 1.40 50

SAR ND 0.0100 SAR 1.36 200

Magnesium PPM 10.0 10.0 mg/L 9.70 3.05 50

Sodium PPM 38.4 10.0 " 37.2 3.18 50

Origins Laboratory

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Entrada Consulting Group
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 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Roger 1

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 B5C1847 - EPA 3550B

Blank (B5C1847-BLK1)

Prepared: 03/18/2025 Analyzed: 03/21/2025

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	20		"	24.9		82.2	50-150			

LCS (B5C1847-BS1)

Prepared: 03/18/2025 Analyzed: 03/21/2025

Diesel (C10-C28)	894	50.0	mg/kg	1000		89.4	70-130			
Residual Range Organics (C28-C40)	979	200	"	1000		97.9	70-130			
Surrogate: o-Terphenyl	54		"	49.8		109	50-150			

Matrix Spike (B5C1847-MS1)

Source: E5C0451-01

Prepared: 03/18/2025 Analyzed: 03/21/2025

Diesel (C10-C28)	755	50.0	mg/kg	1000	ND	75.5	70-130			
Residual Range Organics (C28-C40)	828	200	"	1000	ND	82.8	70-130			
Surrogate: o-Terphenyl	48		"	49.8		96.1	50-150			

Matrix Spike Dup (B5C1847-MSD1)

Source: E5C0451-01

Prepared: 03/18/2025 Analyzed: 03/21/2025

Diesel (C10-C28)	964	50.0	mg/kg	1000	ND	96.4	70-130	24.3	35	
Residual Range Organics (C28-C40)	1070	200	"	1000	ND	107	70-130	25.1	35	
Surrogate: o-Terphenyl	57		"	49.8		114	50-150			

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 Project Number: [none]
 Project: Chevron - Roger 1

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 B5C1357 - EPA 3050B

Blank (B5C1357-BLK1)

Prepared: 03/13/2025 Analyzed: 03/15/2025

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 (B5C1357-BS1)

Prepared: 03/13/2025 Analyzed: 03/15/2025

Arsenic	5.52	0.290	mg/kg	5.00		110	80-120			
Barium	563	10.0	"	500		113	80-120			
Cadmium	5.32	0.100	"	5.00		106	80-120			
Copper	54.7	10.0	"	50.0		109	80-120			
Lead	5.31	1.00	"	5.00		106	80-120			
Nickel	5.40	1.00	"	5.00		108	80-120			
Selenium	5.61	0.260	"	5.00		112	80-120			
Silver	5.50	0.100	"	5.00		110	80-120			
Zinc	56.2	37.0	"	50.0		112	80-120			

Matrix Spike (B5C1357-MS1)

Source: E5C0363-01

Prepared: 03/13/2025 Analyzed: 03/15/2025

Arsenic	5.93	0.244	mg/kg	4.21	1.72	99.9	75-125			
Barium	510	8.42	"	421	52.4	109	75-125			
Cadmium	4.40	0.0842	"	4.21	0.0668	103	75-125			
Copper	48.3	8.42	"	42.1	4.01	105	75-125			
Lead	15.5	0.842	"	4.21	10.0	130	75-125			QM-07

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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Roger 1

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 B5C1357 - EPA 3050B

Matrix Spike (B5C1357-MS1)

Source: E5C0363-01

Prepared: 03/13/2025 Analyzed: 03/15/2025

Nickel	8.31	0.842	mg/kg	4.21	4.42	92.4	75-125			
Selenium	4.28	0.219	"	4.21	0.0659	100	75-125			
Silver	4.46	0.0842	"	4.21	0.0165	106	75-125			
Zinc	64.5	31.2	"	42.1	21.5	102	75-125			

Matrix Spike Dup (B5C1357-MSD1)

Source: E5C0363-01

Prepared: 03/13/2025 Analyzed: 03/15/2025

Arsenic	6.79	0.265	mg/kg	4.57	1.72	111	75-125	13.6	20	
Barium	560	9.13	"	457	52.4	111	75-125	9.37	20	
Cadmium	4.92	0.0913	"	4.57	0.0668	106	75-125	11.1	20	
Copper	54.2	9.13	"	45.7	4.01	110	75-125	11.6	20	
Lead	21.4	0.913	"	4.57	10.0	249	75-125	32.0	20	QM-07, QR-DUP
Nickel	9.11	0.913	"	4.57	4.42	103	75-125	9.20	20	
Selenium	4.82	0.237	"	4.57	0.0659	104	75-125	11.8	20	
Silver	4.94	0.0913	"	4.57	0.0165	108	75-125	10.2	20	
Zinc	73.3	33.8	"	45.7	21.5	114	75-125	12.8	20	

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

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Roger 1

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 B5C1727 - Saturated Paste pH/EC

Blank (B5C1727-BLK1)

Prepared: 03/17/2025 Analyzed: 03/19/2025

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B5C1727-DUP1)

Source: E5C0451-07

Prepared: 03/17/2025 Analyzed: 03/19/2025

Specific Conductance (EC)	0.482	0.00500	mmhos/cm		0.465		3.65	25	
pH	8.14		pH Units		8.21		0.856	25	

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 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Roger 1

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 B5C1451 - EPA 5030 (soil)

Blank (B5C1451-BLK1)

Prepared: 03/14/2025 Analyzed: 03/18/2025

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
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U

Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.1	70-130
Surrogate: Toluene-d8	0.11		"	0.125		89.1	70-130
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.6	70-130

LCS (B5C1451-BS1)

Prepared: 03/14/2025 Analyzed: 03/18/2025

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	0.106	0.00200	"	0.100		106	70-130
Ethylbenzene	0.0982	0.00200	"	0.100		98.2	70-130
Toluene	0.0984	0.00200	"	0.100		98.4	70-130
o-Xylene	0.103	0.00200	"	0.100		103	70-130
m,p-Xylene	0.199	0.00400	"	0.200		99.4	70-130
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.3	70-130
Surrogate: Toluene-d8	0.11		"	0.125		89.0	70-130
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.7	70-130

Matrix Spike (B5C1451-MS1)

Source: E5C0452-01

Prepared: 03/14/2025 Analyzed: 03/18/2025

1,2,4-Trimethylbenzene	0.0947	0.00200	mg/kg	0.100	ND	94.7	70-130
1,3,5-Trimethylbenzene	0.0941	0.00200	"	0.100	ND	94.1	70-130
Benzene	0.0961	0.00200	"	0.100	ND	96.1	70-130

Origins Laboratory

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

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Roger 1

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 B5C1451 - EPA 5030 (soil)

Matrix Spike (B5C1451-MS1)		Source: E5C0452-01			Prepared: 03/14/2025 Analyzed: 03/18/2025					
Ethylbenzene	0.0881	0.00200	mg/kg	0.100	ND	88.1	70-130			
Toluene	0.0899	0.00200	"	0.100	ND	89.9	70-130			
o-Xylene	0.0940	0.00200	"	0.100	ND	94.0	70-130			
m,p-Xylene	0.178	0.00400	"	0.200	ND	88.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		90.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.8	70-130			

Matrix Spike Dup (B5C1451-MSD1)		Source: E5C0452-01			Prepared: 03/14/2025 Analyzed: 03/18/2025					
1,2,4-Trimethylbenzene	0.0881	0.00200	mg/kg	0.100	ND	88.1	70-130	7.20	20	
1,3,5-Trimethylbenzene	0.0876	0.00200	"	0.100	ND	87.6	70-130	7.07	20	
Benzene	0.0918	0.00200	"	0.100	ND	91.8	70-130	4.56	20	
Ethylbenzene	0.0825	0.00200	"	0.100	ND	82.5	70-130	6.54	20	
Toluene	0.0843	0.00200	"	0.100	ND	84.3	70-130	6.43	20	
o-Xylene	0.0877	0.00200	"	0.100	ND	87.7	70-130	6.87	20	
m,p-Xylene	0.166	0.00400	"	0.200	ND	83.1	70-130	6.66	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		106	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		89.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.0	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 - Roger 1

PAH by 8270D - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L806121 - 3550B

MSD (L 94202-MSD-L806121)

Source: 94202

Prepared: 03/19/2025 Analyzed: 03/22/2025

Fluoranthene	0.105	0.00067	mg/Kg	0.163	<0.000394	64.4	30-130	9.5	30	
Naphthalene	0.0793	0.00201	"	0.163	0.00164	47.6	30-130	8.9	30	
1-Methylnaphthalene	0.0933	0.00201	"	0.163	0.0106	50.7	30-130	11.2	30	
2-Methylnaphthalene	0.12	0.00201	"	0.163	0.0159	63.8	30-130	20.7	30	
Fluorene	0.109	0.00067	"	0.163	0.00371	64.5	30-130	12.5	30	
Dibenz(a,h)anthracene	0.132	0.00067	"	0.163	<0.000614	80.9	30-130	12.9	30	
Chrysene	0.104	0.00067	"	0.163	0.000995	63.1	30-130	13.3	30	
Pyrene	0.106	0.00067	"	0.163	<0.000643	65	30-130	9	30	
Benzo(b)fluoranthene	0.116	0.00067	"	0.163	<0.000585	71.1	30-130	12.8	30	
Benzo(a)pyrene	0.121	0.00067	"	0.163	<0.000468	74.2	30-130	10.4	30	
Benzo(a)anthracene	0.121	0.00067	"	0.163	<0.000493	74.2	30-130	13.2	30	
Anthracene	0.102	0.00067	"	0.163	<0.000334	62.5	30-130	12.3	30	
Acenaphthene	0.0932	0.00067	"	0.163	<0.000304	57.1	30-130	10.8	30	
Benzo(k)fluoranthene	0.107	0.00067	"	0.163	<0.000437	65.6	30-130	9.2	30	
Indeno(1,2,3-cd)pyrene	0.141	0.00067	"	0.163	<0.000627	86.5	30-130	11.2	30	

Surrogate: Nitrobenzene-d5

62

%

0.327

210

62

29-110

Surrogate: 2-Fluorobiphenyl

56.5

"

0.327

192

56.5

33-115

Surrogate: 4-Terphenyl-d14

73.7

"

0.327

237

73.7

33-122

MS (L 94202-MS-L806121)

Source: 94202

Prepared: 03/19/2025 Analyzed: 03/22/2025

Chrysene	0.091	0.00067	mg/Kg	0.166	0.000995	54.2	30-130			
Dibenz(a,h)anthracene	0.116	0.00067	"	0.166	<0.000614	69.8	30-130			
Fluoranthene	0.0954	0.00067	"	0.166	<0.000394	57.4	30-130			
Fluorene	0.0961	0.00067	"	0.166	0.00371	55.6	30-130			
Indeno(1,2,3-cd)pyrene	0.126	0.00067	"	0.166	<0.000627	75.9	30-130			
Benzo(k)fluoranthene	0.0975	0.00067	"	0.166	<0.000437	58.7	30-130			
Pyrene	0.0968	0.00067	"	0.166	<0.000643	58.3	30-130			

Origins Laboratory

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

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Roger 1

PAH by 8270D - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L806121 - 3550B

MS (L 94202-MS-L806121)

Source: 94202

Prepared: 03/19/2025 Analyzed: 03/22/2025

Benzo(b)fluoranthene	0.102	0.00067	mg/Kg	0.166	<0.000585	61.4	30-130			
Naphthalene	0.0725	0.00201	"	0.166	0.00164	42.6	30-130			
2-Methylnaphthalene	0.0974	0.00201	"	0.166	0.0159	49	30-130			
Acenaphthene	0.0836	0.00067	"	0.166	<0.000304	50.3	30-130			
Anthracene	0.0901	0.00067	"	0.166	<0.000334	54.2	30-130			
Benzo(a)anthracene	0.106	0.00067	"	0.166	<0.000493	63.8	30-130			
Benzo(a)pyrene	0.109	0.00067	"	0.166	<0.000468	65.6	30-130			
1-Methylnaphthalene	0.0834	0.00201	"	0.166	0.0106	43.8	30-130			

Surrogate: Nitrobenzene-d5	59.9		%	0.332	210	59.9	29-110			
Surrogate: 4-Terphenyl-d14	68.3		"	0.332	237	68.3	33-122			
Surrogate: 2-Fluorobiphenyl	53.9		"	0.332	192	53.9	33-115			

LCS (LCS-L806121)

Prepared: 03/19/2025 Analyzed: 03/22/2025

Pyrene	0.112	0.00067	mg/Kg	0.167		67	30-130			
Naphthalene	0.0692	0.00201	"	0.167		41.4	30-130			
Benzo(a)anthracene	0.114	0.00067	"	0.167		68.2	30-130			
Indeno(1,2,3-cd)pyrene	0.139	0.00067	"	0.167		83.2	30-130			
Fluorene	0.0907	0.00067	"	0.167		54.3	30-130			
Fluoranthene	0.11	0.00067	"	0.167		65.8	30-130			
Dibenz(a,h)anthracene	0.126	0.00067	"	0.167		75.4	30-130			
Chrysene	0.0979	0.00067	"	0.167		58.6	30-130			
Benzo(k)fluoranthene	0.119	0.00067	"	0.167		71.2	30-130			
Anthracene	0.0898	0.00067	"	0.167		53.7	30-130			
Acenaphthene	0.0791	0.00067	"	0.167		47.3	30-130			
2-Methylnaphthalene	0.0713	0.00201	"	0.167		42.6	30-130			
1-Methylnaphthalene	0.0693	0.00201	"	0.167		41.4	30-130			
Benzo(b)fluoranthene	0.126	0.00067	"	0.167		75.4	30-130			

Origins Laboratory

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

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Roger 1

PAH by 8270D - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L806121 - 3550B

LCS (LCS-L806121)

Prepared: 03/19/2025 Analyzed: 03/22/2025

Benzo(a)pyrene	0.118	0.00067	mg/Kg	0.167		70.6	30-130			
Surrogate: Nitrobenzene-d5	62.7		%	0.333		62.7	29-110			
Surrogate: 4-Terphenyl-d14	83.7		"	0.333		83.7	33-122			
Surrogate: 2-Fluorobiphenyl	59.4		"	0.333		59.4	33-115			

LRB (LRB-L806121)

Prepared: 03/19/2025 Analyzed: 03/22/2025

Naphthalene	ND	0.00201	mg/Kg				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00201	"				-			
Fluorene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
Pyrene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	65.7		%	0.333		65.7	29-110			
Surrogate: 4-Terphenyl-d14	73.2		"	0.333		73.2	33-122			
Surrogate: 2-Fluorobiphenyl	56.7		"	0.333		56.7	33-115			

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 - Roger 1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L807284 -

DUP (L 94192-DUP)

Source: 94192

Prepared: Analyzed: 03/25/2025

Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500	-	0	20	
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MS (L 94192-MS)

Source: 94192

Prepared: Analyzed: 03/25/2025

Chromium, Hexavalent	35.5	2.5	mg/Kg	39	< 0.244	91	75-125		
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LCS (LCS)

Prepared: Analyzed: 03/25/2025

Chromium, Hexavalent	6.65	0.5	mg/Kg	8		83	75-125		
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LRB (LRB)

Prepared: Analyzed: 03/25/2025

Chromium, Hexavalent	ND	0.5	mg/Kg			-			
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Entrada Consulting Group
330 Grand Ave. Unit C
Grand Junction CO 81501

Chelsea Verysen
Project Number: [none]
Project: Chevron - Roger 1

Notes and Definitions

U Sample is Non-Detect.

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

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 Estimated Value. Analyte below reported quantitation 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.

Origins Laboratory

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