



Entrada Consulting Group

Chelsea Veryser

330 Grand Ave. Unit C

Grand Junction CO 81501

May 08, 2025

Project Name - Chevron - Duell 20-1

Project Number - [none]

Attached are your analytical results for Chevron - Duell 20-1 received by Origins Laboratory April 25, 2025. This project is associated with Origins project number E5D0756-01.

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 - Duell 20-1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH01@6	E5D0756-01	Soil	April 25, 2025 9:00	04/25/2025 17:15
FLR01@4	E5D0756-02	Soil	April 25, 2025 9:05	04/25/2025 17:15

Origins Laboratory

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ORIGINS LABORATORY

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

Chelsea Verysen
Project Number: [none]
Project: Chevron - Duell 20-1

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

Sample Receipt Checklist

Origins Work Order: E5D0736 Client: Entrada
Client Project ID: Duell 20-1

Checklist Completed by: JAR/NKM Shipped Via: HD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)
Date/time completed: 4/27/25 Airbill #: N/A

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


Cooler Number/Temperature: 1 / 4.4 °C

Thermometer ID: 1007

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 subcooled analyses in order to insure sample integrity)(pH < 2 for samples preserved with HNO ₃ , HCl, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)			/	
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) JAR Date/Time Reviewed 4/29/25

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 - Duell 20-1

WH01@6
4/25/2025 9:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0756-01 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.120		0.0987	mg/L	1	B5D2860	04/28/2025	05/02/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5D2923	04/29/2025	04/30/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	78.3 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5D2917	04/29/2025	04/29/2025	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	103 %			70-130		"	"	"	
Surrogate: Toluene-d8	97.0 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	105 %			70-130		"	"	"	

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 330 Grand Ave. Unit C
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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Duell 20-1

WH01@6
4/25/2025 9:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5D0756-01 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	3.07		0.499	meq/L	10	[CALC]	05/01/2025	05/05/2025	
Magnesium	1.56		0.823	"	"	"	"	"	
Sodium	1.52		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	0.005		0.002	mg/kg	1	B5E0152	05/01/2025	05/04/2025	
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
Chrysene	ND		0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U
Fluoranthene	ND		0.020	"	"	"	"	"	U
Fluorene	ND		0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U

Origins Laboratory

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 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Duell 20-1

WH01@6
4/25/2025 9:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5D0756-01 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Surrogate: Fluorene-d10	97.0 %			60-130		B5E0152	05/01/2025	05/04/2025	
Surrogate: Anthracene-d10	97.7 %			60-130		"	"	"	
Surrogate: Pyrene-d10	107 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	100 %			60-130		"	"	"	

pH in Soil by 9045D

pH	8.32			pH Units	1	B5E0122	05/01/2025	05/02/2025	
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SAR by 20B Saturated Paste

SAR	0.996		0.0100	SAR	1	B5E0115	05/01/2025	05/05/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.738		0.00500	mmhos/cm	1	B5E0122	05/01/2025	05/02/2025	
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Table 915 metals by EPA 6020B

Arsenic	1.20		0.290	mg/kg	10	B5D2876	04/28/2025	04/29/2025	
Barium	30.7		9.99	"	"	"	"	"	
Cadmium	ND		0.0999	"	"	"	"	"	
Copper	ND		9.99	"	"	"	"	"	
Lead	6.05		0.999	"	"	"	"	"	
Nickel	7.66		0.999	"	"	"	"	"	

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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Duell 20-1

WH01@6

4/25/2025 9:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5D0756-01 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Selenium	ND	0.260	mg/kg	10	B5D2876	04/28/2025	04/29/2025	
Silver	ND	0.0999	"	"	"	"	"	"
Zinc	ND	37.0	"	"	"	"	"	"

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	A102394	04/25/2025	05/05/2025
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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Duell 20-1

FLR01@4
4/25/2025 9:05:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0756-02 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.186		0.100	mg/L	1	B5D2860	04/28/2025	05/02/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	61.5		25.0	mg/kg	1	B5D2923	04/29/2025	04/30/2025	
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
<i>Surrogate: o-Terphenyl</i>									
	79.5 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5D2917	04/29/2025	04/30/2025	U
1,3,5-Trimethylbenzene	0.00468		0.00200	"	"	"	"	"	
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	0.470		0.200	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>									
	90.2 %			70-130		"	"	"	
<i>Surrogate: Toluene-d8</i>									
	98.3 %			70-130		"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>									
	102 %			70-130		"	"	"	

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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Duell 20-1

FLR01@4

4/25/2025 9:05:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5D0756-02 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	5.56		0.499	meq/L	10	[CALC]	05/01/2025	05/05/2025	
Magnesium	2.97		0.823	"	"	"	"	"	
Sodium	2.31		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	0.012		0.002	mg/kg	1	B5E0152	05/01/2025	05/04/2025	
2-Methylnaphthalene	0.003		0.002	"	"	"	"	"	
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
Chrysene	ND		0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U
Fluoranthene	ND		0.020	"	"	"	"	"	U
Fluorene	ND		0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U

Origins Laboratory

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Entrada Consulting Group
 330 Grand Ave. Unit C
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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Duell 20-1

FLR01@4
4/25/2025 9:05:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5D0756-02 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Surrogate: Fluorene-d10	96.9 %			60-130		B5E0152	05/01/2025	05/04/2025	
Surrogate: Anthracene-d10	96.3 %			60-130		"	"	"	
Surrogate: Pyrene-d10	105 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	102 %			60-130		"	"	"	

pH in Soil by 9045D

pH	8.36			pH Units	1	B5E0122	05/01/2025	05/02/2025	
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SAR by 20B Saturated Paste

SAR	1.12		0.0100	SAR	1	B5E0115	05/01/2025	05/05/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.33		0.00500	mmhos/cm	1	B5E0122	05/01/2025	05/02/2025	
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Table 915 metals by EPA 6020B

Arsenic	2.08		0.274	mg/kg	10	B5D2876	04/28/2025	04/29/2025	
Barium	59.3		9.44	"	"	"	"	"	
Cadmium	ND		0.0944	"	"	"	"	"	
Copper	ND		9.44	"	"	"	"	"	
Lead	9.83		0.944	"	"	"	"	"	
Nickel	4.18		0.944	"	"	"	"	"	

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 - Duell 20-1

FLR01@4

4/25/2025 9:05:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5D0756-02 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Selenium	ND	0.246	mg/kg	10	B5D2876	04/28/2025	04/29/2025	
Silver	ND	0.0944	"	"	"	"	"	"
Zinc	ND	34.9	"	"	"	"	"	"

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.516	0.516	mg/Kg	1	A102394	04/25/2025	05/05/2025	J
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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Duell 20-1

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 B5D2860 - DTPA Sorbitol Preparation

Blank (B5D2860-BLK1)

Prepared: 04/28/2025 Analyzed: 05/02/2025

Boron ND 0.100 mg/L

Duplicate (B5D2860-DUP1)

Source: E5D0743-01

Prepared: 04/28/2025 Analyzed: 05/02/2025

Boron 0.0336 0.101 mg/L 0.0379 12.1 50

Batch B5E0115 - Saturated Paste Metals

Blank (B5E0115-BLK1)

Prepared: 05/01/2025 Analyzed: 05/05/2025

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 (B5E0115-DUP1)

Source: E5D0741-09

Prepared: 05/01/2025 Analyzed: 05/05/2025

Calcium PPM 31.9 10.0 mg/L 33.2 4.02 50

SAR ND 0.0100 SAR 5.25 200

Magnesium PPM 20.7 10.0 mg/L 21.1 2.15 50

Sodium PPM 159 10.0 " 157 0.861 50

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Entrada Consulting Group
 330 Grand Ave. Unit C
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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Duell 20-1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5E0152 - EPA 3580

Blank (B5E0152-BLK1)

Prepared: 05/01/2025 Analyzed: 05/03/2025

1-Methylnaphthalene	ND	0.002	mg/kg							U
2-Methylnaphthalene	ND	0.002	"							U
Acenaphthene	ND	0.020	"							U
Anthracene	ND	0.020	"							U
Benzo (a) anthracene	ND	0.005	"							U
Benzo (a) pyrene	ND	0.020	"							U
Benzo (b) fluoranthene	ND	0.020	"							U
Benzo (g,h,i) perylene	ND	0.020	"							U
Benzo (k) fluoranthene	ND	0.020	"							U
Chrysene	ND	0.020	"							U
Dibenz (a,h) anthracene	ND	0.020	"							U
Fluoranthene	ND	0.020	"							U
Fluorene	ND	0.020	"							U
Indeno (1,2,3-cd) pyrene	ND	0.020	"							U
Naphthalene	ND	0.002	"							U
Phenanthrene	ND	0.020	"							U
Pyrene	ND	0.020	"							U
Surrogate: Fluorene-d10	190		ug/kg	200		96.4	60-130			
Surrogate: Anthracene-d10	200		"	200		97.6	60-130			
Surrogate: Pyrene-d10	220		"	200		108	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

LCS (B5E0152-BS1)

Prepared: 05/01/2025 Analyzed: 05/04/2025

1-Methylnaphthalene	0.203	0.002	mg/kg	0.200		102	70-130			
2-Methylnaphthalene	0.203	0.002	"	0.200		101	70-130			
Acenaphthene	0.211	0.020	"	0.200		105	70-130			
Anthracene	0.207	0.020	"	0.200		104	70-130			

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Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Duell 20-1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5E0152 - EPA 3580

LCS (B5E0152-BS1)

Prepared: 05/01/2025 Analyzed: 05/04/2025

Benzo (a) anthracene	0.208	0.005	mg/kg	0.200		104	70-130			
Benzo (a) pyrene	0.224	0.020	"	0.200		112	70-130			
Benzo (b) fluoranthene	0.234	0.020	"	0.200		117	70-130			
Benzo (g,h,i) perylene	0.232	0.020	"	0.200		116	70-130			
Benzo (k) fluoranthene	0.233	0.020	"	0.200		116	70-130			
Chrysene	0.218	0.020	"	0.200		109	70-130			
Dibenz (a,h) anthracene	0.224	0.020	"	0.200		112	70-130			
Fluoranthene	0.231	0.020	"	0.200		116	70-130			
Fluorene	0.202	0.020	"	0.200		101	70-130			
Indeno (1,2,3-cd) pyrene	0.229	0.020	"	0.200		114	70-130			
Naphthalene	0.207	0.002	"	0.200		103	70-130			
Phenanthrene	0.212	0.020	"	0.200		106	70-130			
Pyrene	0.233	0.020	"	0.200		116	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		97.8	60-130			
Surrogate: Anthracene-d10	200		"	200		98.0	60-130			
Surrogate: Pyrene-d10	210		"	200		107	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

Matrix Spike (B5E0152-MS1)

Source: E5D0746-01

Prepared: 05/01/2025 Analyzed: 05/04/2025

1-Methylnaphthalene	0.197	0.002	mg/kg	0.200	ND	98.3	70-130			
2-Methylnaphthalene	0.197	0.002	"	0.200	ND	98.7	70-130			
Acenaphthene	0.206	0.020	"	0.200	ND	103	70-130			
Anthracene	0.197	0.020	"	0.200	0.001	98.0	70-130			
Benzo (a) anthracene	0.216	0.005	"	0.200	0.004	106	70-130			
Benzo (a) pyrene	0.232	0.020	"	0.200	0.007	113	70-130			
Benzo (b) fluoranthene	0.240	0.020	"	0.200	0.007	117	70-130			
Benzo (g,h,i) perylene	0.238	0.020	"	0.200	0.011	114	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 - Duell 20-1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5E0152 - EPA 3580

Matrix Spike (B5E0152-MS1)		Source: E5D0746-01			Prepared: 05/01/2025 Analyzed: 05/04/2025					
Benzo (k) fluoranthene	0.243	0.020	mg/kg	0.200	0.006	119	70-130			
Chrysene	0.217	0.020	"	0.200	0.006	106	70-130			
Dibenz (a,h) anthracene	0.229	0.020	"	0.200	0.009	110	70-130			
Fluoranthene	0.233	0.020	"	0.200	0.004	114	70-130			
Fluorene	0.196	0.020	"	0.200	0.0005	97.9	70-130			
Indeno (1,2,3-cd) pyrene	0.226	0.020	"	0.200	0.009	108	70-130			
Naphthalene	0.198	0.002	"	0.200	ND	99.2	70-130			
Phenanthrene	0.207	0.020	"	0.200	0.002	103	70-130			
Pyrene	0.232	0.020	"	0.200	0.004	114	70-130			
Surrogate: Fluorene-d10	190		ug/kg	200		96.8	60-130			
Surrogate: Anthracene-d10	190		"	200		96.8	60-130			
Surrogate: Pyrene-d10	220		"	200		109	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130			

Matrix Spike Dup (B5E0152-MSD1)		Source: E5D0746-01			Prepared: 05/01/2025 Analyzed: 05/04/2025					
1-Methylnaphthalene	0.200	0.002	mg/kg	0.200	ND	100	70-130	1.93	20	
2-Methylnaphthalene	0.200	0.002	"	0.200	ND	99.8	70-130	1.06	20	
Acenaphthene	0.207	0.020	"	0.200	ND	104	70-130	0.868	20	
Anthracene	0.195	0.020	"	0.200	0.001	97.0	70-130	0.999	20	
Benzo (a) anthracene	0.215	0.005	"	0.200	0.004	106	70-130	0.473	20	
Benzo (a) pyrene	0.225	0.020	"	0.200	0.007	109	70-130	3.16	20	
Benzo (b) fluoranthene	0.239	0.020	"	0.200	0.007	116	70-130	0.699	20	
Benzo (g,h,i) perylene	0.233	0.020	"	0.200	0.011	111	70-130	2.24	20	
Benzo (k) fluoranthene	0.239	0.020	"	0.200	0.006	117	70-130	1.89	20	
Chrysene	0.211	0.020	"	0.200	0.006	103	70-130	3.10	20	
Dibenz (a,h) anthracene	0.230	0.020	"	0.200	0.009	110	70-130	0.264	20	
Fluoranthene	0.233	0.020	"	0.200	0.004	115	70-130	0.257	20	

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 - Duell 20-1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5E0152 - EPA 3580

Matrix Spike Dup (B5E0152-MSD1)

Source: E5D0746-01

Prepared: 05/01/2025 Analyzed: 05/04/2025

Fluorene	0.198	0.020	mg/kg	0.200	0.0005	98.7	70-130	0.854	20	
Indeno (1,2,3-cd) pyrene	0.225	0.020	"	0.200	0.009	108	70-130	0.395	20	
Naphthalene	0.200	0.002	"	0.200	ND	100	70-130	1.06	20	
Phenanthrene	0.207	0.020	"	0.200	0.002	103	70-130	0.0869	20	
Pyrene	0.232	0.020	"	0.200	0.004	114	70-130	0.325	20	
Surrogate: Fluorene-d10	190		ug/kg	200		96.9	60-130			
Surrogate: Anthracene-d10	190		"	200		95.9	60-130			
Surrogate: Pyrene-d10	220		"	200		108	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130			

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 - Duell 20-1

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 B5D2923 - EPA 3550B

Blank (B5D2923-BLK1)

Prepared: 04/29/2025 Analyzed: 04/30/2025

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	20		"	24.9		80.9	50-150			

LCS (B5D2923-BS1)

Prepared: 04/29/2025 Analyzed: 04/30/2025

Diesel (C10-C28)	1110	50.0	mg/kg	1000		111	70-130			
Residual Range Organics (C28-C40)	999	200	"	1000		99.9	70-130			
Surrogate: o-Terphenyl	43		"	49.8		87.0	50-150			

Matrix Spike (B5D2923-MS1)

Source: E5D0732-11

Prepared: 04/29/2025 Analyzed: 04/30/2025

Diesel (C10-C28)	1110	50.0	mg/kg	1000	ND	111	70-130			
Residual Range Organics (C28-C40)	1020	200	"	1000	ND	102	70-130			
Surrogate: o-Terphenyl	41		"	49.8		82.2	50-150			

Matrix Spike Dup (B5D2923-MSD1)

Source: E5D0732-11

Prepared: 04/29/2025 Analyzed: 04/30/2025

Diesel (C10-C28)	1130	50.0	mg/kg	1000	ND	113	70-130	1.55	35	
Residual Range Organics (C28-C40)	1030	200	"	1000	ND	103	70-130	1.85	35	
Surrogate: o-Terphenyl	40		"	49.8		81.2	50-150			

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 - Duell 20-1

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 B5D2876 - EPA 3050B

Blank (B5D2876-BLK1)

Prepared: 04/28/2025 Analyzed: 04/29/2025

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 (B5D2876-BS1)

Prepared: 04/28/2025 Analyzed: 04/29/2025

Arsenic	5.28	0.290	mg/kg	5.00		106	80-120			
Barium	521	10.0	"	500		104	80-120			
Cadmium	5.13	0.100	"	5.00		103	80-120			
Copper	53.5	10.0	"	50.0		107	80-120			
Lead	5.01	1.00	"	5.00		100	80-120			
Nickel	5.31	1.00	"	5.00		106	80-120			
Selenium	5.05	0.260	"	5.00		101	80-120			
Silver	5.19	0.100	"	5.00		104	80-120			
Zinc	53.1	37.0	"	50.0		106	80-120			

Matrix Spike (B5D2876-MS1)

Source: E5D0740-01

Prepared: 04/28/2025 Analyzed: 04/29/2025

Arsenic	6.71	0.265	mg/kg	4.56	2.00	103	75-125			
Barium	555	9.13	"	456	94.8	101	75-125			
Cadmium	4.98	0.0913	"	4.56	0.402	100	75-125			
Copper	64.2	9.13	"	45.6	16.9	104	75-125			
Lead	20.1	0.913	"	4.56	18.8	28.1	75-125			QM-07

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 - Duell 20-1

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 B5D2876 - EPA 3050B

Matrix Spike (B5D2876-MS1)

Source: E5D0740-01

Prepared: 04/28/2025 Analyzed: 04/29/2025

Nickel	11.8	0.913	mg/kg	4.56	7.41	96.7	75-125			
Selenium	4.93	0.237	"	4.56	0.416	98.9	75-125			
Silver	4.58	0.0913	"	4.56	0.0884	98.3	75-125			
Zinc	121	33.8	"	45.6	73.6	104	75-125			

Matrix Spike Dup (B5D2876-MSD1)

Source: E5D0740-01

Prepared: 04/28/2025 Analyzed: 04/29/2025

Arsenic	6.43	0.258	mg/kg	4.44	2.00	99.6	75-125	4.37	20	
Barium	548	8.88	"	444	94.8	102	75-125	1.25	20	
Cadmium	4.75	0.0888	"	4.44	0.402	97.9	75-125	4.81	20	
Copper	61.1	8.88	"	44.4	16.9	99.5	75-125	5.02	20	
Lead	20.2	0.888	"	4.44	18.8	31.7	75-125	0.628	20	QM-07
Nickel	11.8	0.888	"	4.44	7.41	98.7	75-125	0.269	20	
Selenium	4.55	0.231	"	4.44	0.416	93.1	75-125	7.98	20	
Silver	4.46	0.0888	"	4.44	0.0884	98.5	75-125	2.48	20	
Zinc	118	32.9	"	44.4	73.6	99.9	75-125	2.47	20	

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 - Duell 20-1

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 B5E0122 - Saturated Paste pH/EC

Blank (B5E0122-BLK1)

Prepared: 05/01/2025 Analyzed: 05/02/2025

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B5E0122-DUP1)

Source: E5D0741-09

Prepared: 05/01/2025 Analyzed: 05/02/2025

Specific Conductance (EC)	1.11	0.00500	mmhos/cm		1.11		0.568	25	
pH	8.48		pH Units		8.46		0.236	25	

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 - Duell 20-1

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 B5D2917 - EPA 5030 (soil)

Blank (B5D2917-BLK1)

Prepared: 04/29/2025 Analyzed: 04/29/2025

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
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		100	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.6	70-130			

LCS (B5D2917-BS1)

Prepared: 04/29/2025 Analyzed: 04/29/2025

1,2,4-Trimethylbenzene	0.102	0.00200	mg/kg	0.100		102	70-130			
1,3,5-Trimethylbenzene	0.102	0.00200	"	0.100		102	70-130			
Benzene	0.0907	0.00200	"	0.100		90.7	70-130			
Ethylbenzene	0.0970	0.00200	"	0.100		97.0	70-130			
Naphthalene	0.107	0.00380	"	0.100		107	70-130			
Toluene	0.0937	0.00200	"	0.100		93.7	70-130			
o-Xylene	0.101	0.00200	"	0.100		101	70-130			
m,p-Xylene	0.195	0.00400	"	0.200		97.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.0	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

Matrix Spike (B5D2917-MS1)

Source: E5D0671-01

Prepared: 04/29/2025 Analyzed: 04/29/2025

1,2,4-Trimethylbenzene	0.0980	0.00200	mg/kg	0.100	ND	98.0	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 Verysen
 Project Number: [none]
 Project: Chevron - Duell 20-1

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 B5D2917 - EPA 5030 (soil)

Matrix Spike (B5D2917-MS1)

Source: E5D0671-01

Prepared: 04/29/2025 Analyzed: 04/29/2025

1,3,5-Trimethylbenzene	0.101	0.00200	mg/kg	0.100	ND	101	70-130			
Benzene	0.0893	0.00200	"	0.100	ND	89.3	70-130			
Ethylbenzene	0.106	0.00200	"	0.100	ND	106	70-130			
Naphthalene	0.0625	0.00380	"	0.100	ND	62.5	70-130			QM-07
Toluene	0.0960	0.00200	"	0.100	ND	96.0	70-130			
o-Xylene	0.105	0.00200	"	0.100	ND	105	70-130			
m,p-Xylene	0.208	0.00400	"	0.200	ND	104	70-130			

Surrogate: 1,2-Dichloroethane-d4

0.11

"

0.125

84.5

70-130

Surrogate: Toluene-d8

0.14

"

0.125

109

70-130

Surrogate: 4-Bromofluorobenzene

0.13

"

0.125

106

70-130

Matrix Spike Dup (B5D2917-MSD1)

Source: E5D0671-01

Prepared: 04/29/2025 Analyzed: 04/29/2025

1,2,4-Trimethylbenzene	0.0770	0.00200	mg/kg	0.100	ND	77.0	70-130	24.1	20	QR-02
1,3,5-Trimethylbenzene	0.0769	0.00200	"	0.100	ND	76.9	70-130	27.5	20	QR-02
Benzene	0.0851	0.00200	"	0.100	ND	85.1	70-130	4.84	20	
Ethylbenzene	0.0814	0.00200	"	0.100	ND	81.4	70-130	25.9	20	QR-02
Naphthalene	0.0671	0.00380	"	0.100	ND	67.1	70-130	7.07	20	QM-07
Toluene	0.0878	0.00200	"	0.100	ND	87.8	70-130	8.93	20	
o-Xylene	0.0860	0.00200	"	0.100	ND	86.0	70-130	20.4	20	QR-02
m,p-Xylene	0.163	0.00400	"	0.200	ND	81.4	70-130	24.6	20	QR-02

Surrogate: 1,2-Dichloroethane-d4

0.12

"

0.125

95.7

70-130

Surrogate: Toluene-d8

0.13

"

0.125

106

70-130

Surrogate: 4-Bromofluorobenzene

0.12

"

0.125

95.0

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 - Duell 20-1

**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 A102394 -

DUP (L 95052-DUP)		Source: 95052			Prepared: Analyzed: 05/05/2025					
Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500	-		0	20	
MS (L 95052-MS)		Source: 95052			Prepared: Analyzed: 05/05/2025					
Chromium, Hexavalent	6.44	0.5	mg/Kg	7.77	<0.244	83	75-125			
DUP (L 95076-DUP)		Source: 95076			Prepared: Analyzed: 05/05/2025					
Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500	-		0	20	
LCS (LCS)					Prepared: Analyzed: 05/05/2025					
Chromium, Hexavalent	6.82	0.5	mg/Kg	8		85	75-125			
LRB (LRB)					Prepared: Analyzed: 05/05/2025					
Chromium, Hexavalent	ND	0.5	mg/Kg			-				

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 - Duell 20-1

Notes and Definitions

U Sample is Non-Detect.

QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

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

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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