



Entrada Consulting Group

Chelsea Veryser

330 Grand Ave. Unit C

Grand Junction CO 81501

August 11, 2025

**Project Name - Chevron - Shable Federal
LB33-78HN**

Project Number - [none]

Attached are your analytical results for Chevron - Shable Federal LB33-78HN received by Origins Laboratory July 30, 2025. This project is associated with Origins project number E5G0648-01.

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 - Shable Federal LB33-78HN

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH01@6	E5G0648-01	Soil	July 29, 2025 15:00	07/30/2025 17:00

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 - Shable Federal LB33-78HN

ORIGINS
LABORATORY

EST-0048

Page 1 of 1

1725 (This is the printer's code) 1725 (This is the printer's code)


Temp Received - 10°C Received On Ice? Yes No

#	Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix Preservative	Analysis		Comments
						Revised By	Date	
1	WHL 06	7/29/15	1500	3	WLR	NO		
2	WHL 06		1505					HL
3	WHL 06		1510					HL
4	WHL 06		1515					HL
5	WHL 06		1520					HL
6								
7								
8								
9								
10								

Requisitioned By	Date	Time	Received By	Date	Time
HN	7/30/15	1500	NB	7/30/15	1512
NB	7/30/15	17:00	SMC	7/30/15	1700

Turnaround Time
 48 Hr 72 Hr
 SAME DAY 24 Hr
 Standard

Client: ENRMA
 Address: _____
 Project Manager: Chelsea Verysen
 Project Name: Shable Federal LB33-78HN
 Project Number: _____
 Collected By: I. Lohar
 Telephone Number: 303 348 8703
 Email Address: i.lohar@entrada.com
 Note: (S=Soil) (O=Oil) (A=Air) (L=Leachate) (H=Hydrochloric) (HNO3=Nitric) (H2SO4=Sulfuric) (NaOH=Sodium Hydroxide) (L=Liquid) (W=Waste Water) (G=Groundwater)

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Chelsea Verysen
Project Number: [none]
Project: Chevron - Shable Federal LB33-78HN

Origins Laboratory

F-012207-01-R1

Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: ESG0648

Client: Entrada

Client Project ID: Shable Federal LB33-78HN

Checklist Completed by: NB/NKM

Shipped Via: HD

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

Date/time completed: 7/30/25

Airbill #: N/A

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

Cooler Number/Temperature: 1/40 °C (Describe)

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⁾ ?	<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 certified for subcontracted analyses in order to insure sample integrity)(pH < 2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaOH > NaOCl, etc. - NaOCl)			<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 taken in the additional comments (above) and the case narrative.

Reviewed by (Project Manager)

08/10/25
Date/Time Reviewed

Origins Laboratory

EHO

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Entrada Consulting Group
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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Shable Federal LB33-78HN

WH01@6

7/29/2025 3:00:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5G0648-01 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.141		0.100	mg/L	1	B5G3109	07/31/2025	08/01/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	478		25.0	mg/kg	1	B5G3104	07/31/2025	07/31/2025	
Residual Range Organics (C28-C40)	544		100	"	"	"	"	"	
<i>Surrogate: o-Terphenyl</i>									
	94.4 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5G3124	07/31/2025	07/31/2025	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
<i>Surrogate: 1,2-Dichloroethane-d4</i>									
	115 %			70-130		"	"	"	
<i>Surrogate: Toluene-d8</i>									
	101 %			70-130		"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>									
	95.9 %			70-130		"	"	"	

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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Shable Federal LB33-78HN

WH01@6

7/29/2025 3:00:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5G0648-01 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	2.48		0.499	meq/L	10	[CALC]	07/31/2025	08/01/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.926		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5G3120	07/31/2025	07/31/2025	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
Chrysene	ND		0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U
Fluoranthene	ND		0.020	"	"	"	"	"	U
Fluorene	ND		0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U

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 Project Number: [none]
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WH01@6

7/29/2025 3:00:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5G0648-01 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Pyrene	ND		0.020	mg/kg	1	B5G3120	07/31/2025	07/31/2025	U
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Surrogate: Fluorene-d10	107 %			60-130		"	"	"	
Surrogate: Anthracene-d10	92.8 %			60-130		"	"	"	
Surrogate: Pyrene-d10	86.2 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	106 %			60-130		"	"	"	

pH in Soil by 9045D

pH	8.05			pH Units	1	B5G3113	07/31/2025	08/01/2025	
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SAR by 20B Saturated Paste

SAR	0.755		0.0100	SAR	1	B5G3111	07/31/2025	08/01/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.497		0.00500	mmhos/cm	1	B5G3113	07/31/2025	08/01/2025	
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Table 915 metals by EPA 6020B

Arsenic	3.88		0.257	mg/kg	10	B5G3125	07/31/2025	08/01/2025	
Barium	1130		72.7	"	"	"	"	"	
Cadmium	ND		0.337	"	"	"	"	"	U
Copper	ND		40.8	"	"	"	"	"	U

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WH01@6

7/29/2025 3:00:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5G0648-01 (Soil)
 Origins Laboratory**

Table 915 metals by EPA 6020B

Lead	ND		12.4	mg/kg	10	B5G3125	07/31/2025	08/01/2025	U
Nickel	ND		23.1	"	"	"	"	"	U
Selenium	0.240		0.231	"	"	"	"	"	U
Silver	ND		0.710	"	"	"	"	"	U
Zinc	ND		328	"	"	"	"	"	U

Waypoint Analytical, LLC.

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	A105125	07/29/2025	08/06/2025	
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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 B5G3109 - DTPA Sorbitol Preparation

Blank (B5G3109-BLK1)

Prepared: 07/31/2025 Analyzed: 08/01/2025

Boron	ND	0.100	mg/L							U
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Duplicate (B5G3109-DUP1)

Source: E5G0645-01

Prepared: 07/31/2025 Analyzed: 08/01/2025

Boron	0.372	0.0998	mg/L		0.346			7.30	50	
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Batch B5G3111 - Saturated Paste Metals

Blank (B5G3111-BLK1)

Prepared: 07/31/2025 Analyzed: 08/01/2025

SAR	ND	0.0100	SAR							U
Calcium PPM	ND	10.0	mg/L							U
Magnesium PPM	ND	10.0	"							U
Sodium PPM	ND	10.0	"							U

Duplicate (B5G3111-DUP1)

Source: E5G0643-06

Prepared: 07/31/2025 Analyzed: 08/01/2025

SAR	ND	0.0100	SAR		2.79				200	U
Calcium PPM	13.5	10.0	mg/L		14.3			5.91	50	
Magnesium PPM	5.70	10.0	"		6.09			6.62	50	U
Sodium PPM	47.7	10.0	"		49.9			4.57	50	

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Chelsea Veryser
 Project Number: [none]
 Project: Chevron - Shable Federal LB33-78HN

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 B5G3120 - EPA 3580

Blank (B5G3120-BLK1)

Prepared: 07/31/2025 Analyzed: 07/31/2025

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	220		ug/kg	200		110	60-130			
Surrogate: Anthracene-d10	190		"	200		96.1	60-130			
Surrogate: Pyrene-d10	200		"	200		97.7	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130			

LCS (B5G3120-BS1)

Prepared: 07/31/2025 Analyzed: 07/31/2025

1-Methylnaphthalene	0.190	0.002	mg/kg	0.200		94.9	70-130			
2-Methylnaphthalene	0.208	0.002	"	0.200		104	70-130			
Acenaphthene	0.196	0.020	"	0.200		97.8	70-130			
Anthracene	0.179	0.020	"	0.200		89.6	70-130			

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 Project: Chevron - Shable Federal LB33-78HN

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 B5G3120 - EPA 3580

LCS (B5G3120-BS1)

Prepared: 07/31/2025 Analyzed: 07/31/2025

Benzo (a) anthracene	0.186	0.005	mg/kg	0.200		92.9	70-130			
Benzo (a) pyrene	0.178	0.020	"	0.200		88.9	70-130			
Benzo (b) fluoranthene	0.206	0.020	"	0.200		103	70-130			
Benzo (g,h,i) perylene	0.183	0.020	"	0.200		91.3	70-130			
Benzo (k) fluoranthene	0.179	0.020	"	0.200		89.4	70-130			
Chrysene	0.190	0.020	"	0.200		94.9	70-130			
Dibenz (a,h) anthracene	0.189	0.020	"	0.200		94.5	70-130			
Fluoranthene	0.199	0.020	"	0.200		99.6	70-130			
Fluorene	0.185	0.020	"	0.200		92.3	70-130			
Indeno (1,2,3-cd) pyrene	0.183	0.020	"	0.200		91.6	70-130			
Naphthalene	0.198	0.002	"	0.200		98.9	70-130			
Phenanthrene	0.197	0.020	"	0.200		98.3	70-130			
Pyrene	0.201	0.020	"	0.200		100	70-130			
Surrogate: Fluorene-d10	220		ug/kg	200		110	60-130			
Surrogate: Anthracene-d10	190		"	200		93.4	60-130			
Surrogate: Pyrene-d10	200		"	200		100	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		103	60-130			

Matrix Spike (B5G3120-MS1)

Source: E5G0615-01

Prepared: 07/31/2025 Analyzed: 07/31/2025

1-Methylnaphthalene	0.196	0.002	mg/kg	0.200	ND	98.1	70-130			
2-Methylnaphthalene	0.214	0.002	"	0.200	ND	107	70-130			
Acenaphthene	0.202	0.020	"	0.200	0.001	101	70-130			
Anthracene	0.179	0.020	"	0.200	0.019	80.4	70-130			
Benzo (a) anthracene	0.191	0.005	"	0.200	0.007	92.0	70-130			
Benzo (a) pyrene	0.182	0.020	"	0.200	0.006	88.1	70-130			
Benzo (b) fluoranthene	0.213	0.020	"	0.200	0.007	103	70-130			
Benzo (g,h,i) perylene	0.187	0.020	"	0.200	0.004	91.4	70-130			

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 Project: Chevron - Shable Federal LB33-78HN

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 B5G3120 - EPA 3580

Matrix Spike (B5G3120-MS1)		Source: E5G0615-01			Prepared: 07/31/2025 Analyzed: 07/31/2025					
Benzo (k) fluoranthene	0.187	0.020	mg/kg	0.200	0.003	91.8	70-130			
Chrysene	0.199	0.020	"	0.200	0.008	95.7	70-130			
Dibenz (a,h) anthracene	0.199	0.020	"	0.200	0.003	98.3	70-130			
Fluoranthene	0.203	0.020	"	0.200	0.020	91.6	70-130			
Fluorene	0.193	0.020	"	0.200	0.0006	96.4	70-130			
Indeno (1,2,3-cd) pyrene	0.184	0.020	"	0.200	0.005	89.8	70-130			
Naphthalene	0.235	0.002	"	0.200	0.024	106	70-130			
Phenanthrene	0.206	0.020	"	0.200	0.010	98.2	70-130			
Pyrene	0.203	0.020	"	0.200	0.017	93.2	70-130			
Surrogate: Fluorene-d10	220		ug/kg	200		110	60-130			
Surrogate: Anthracene-d10	180		"	200		90.8	60-130			
Surrogate: Pyrene-d10	190		"	200		95.8	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		103	60-130			

Matrix Spike Dup (B5G3120-MSD1)		Source: E5G0615-01			Prepared: 07/31/2025 Analyzed: 07/31/2025					
1-Methylnaphthalene	0.194	0.002	mg/kg	0.200	ND	97.2	70-130	0.944	20	
2-Methylnaphthalene	0.212	0.002	"	0.200	ND	106	70-130	1.23	20	
Acenaphthene	0.204	0.020	"	0.200	0.001	101	70-130	0.629	20	
Anthracene	0.180	0.020	"	0.200	0.019	81.0	70-130	0.593	20	
Benzo (a) anthracene	0.194	0.005	"	0.200	0.007	93.7	70-130	1.72	20	
Benzo (a) pyrene	0.183	0.020	"	0.200	0.006	88.5	70-130	0.363	20	
Benzo (b) fluoranthene	0.210	0.020	"	0.200	0.007	101	70-130	1.66	20	
Benzo (g,h,i) perylene	0.185	0.020	"	0.200	0.004	90.6	70-130	0.882	20	
Benzo (k) fluoranthene	0.201	0.020	"	0.200	0.003	98.9	70-130	7.34	20	
Chrysene	0.200	0.020	"	0.200	0.008	96.3	70-130	0.658	20	
Dibenz (a,h) anthracene	0.197	0.020	"	0.200	0.003	97.3	70-130	1.01	20	
Fluoranthene	0.212	0.020	"	0.200	0.020	95.9	70-130	4.13	20	

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 - Shable Federal LB33-78HN

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 B5G3120 - EPA 3580

Matrix Spike Dup (B5G3120-MSD1)

Source: E5G0615-01

Prepared: 07/31/2025 Analyzed: 07/31/2025

Fluorene	0.192	0.020	mg/kg	0.200	0.0006	95.9	70-130	0.577	20	
Indeno (1,2,3-cd) pyrene	0.185	0.020	"	0.200	0.005	90.3	70-130	0.458	20	
Naphthalene	0.238	0.002	"	0.200	0.024	107	70-130	1.43	20	
Phenanthrene	0.208	0.020	"	0.200	0.010	98.9	70-130	0.730	20	
Pyrene	0.211	0.020	"	0.200	0.017	97.0	70-130	3.65	20	
Surrogate: Fluorene-d10	220		ug/kg	200		110	60-130			
Surrogate: Anthracene-d10	180		"	200		89.5	60-130			
Surrogate: Pyrene-d10	200		"	200		98.0	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

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 - Shable Federal LB33-78HN

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 B5G3104 - EPA 3550B

Blank (B5G3104-BLK1)

Prepared: 07/31/2025 Analyzed: 07/31/2025

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	22		"	24.9		90.1	50-150			

LCS (B5G3104-BS1)

Prepared: 07/31/2025 Analyzed: 07/31/2025

Diesel (C10-C28)	855	50.0	mg/kg	1000		85.5	70-130			
Residual Range Organics (C28-C40)	895	200	"	1000		89.5	70-130			
Surrogate: o-Terphenyl	48		"	49.8		96.5	50-150			

Matrix Spike (B5G3104-MS1)

Source: E5G0632-04

Prepared: 07/31/2025 Analyzed: 07/31/2025

Diesel (C10-C28)	939	50.0	mg/kg	1000	ND	93.9	70-130			
Residual Range Organics (C28-C40)	992	200	"	1000	ND	99.2	70-130			
Surrogate: o-Terphenyl	52		"	49.8		104	50-150			

Matrix Spike Dup (B5G3104-MSD1)

Source: E5G0632-04

Prepared: 07/31/2025 Analyzed: 07/31/2025

Diesel (C10-C28)	920	50.0	mg/kg	1000	ND	92.0	70-130	1.98	35	
Residual Range Organics (C28-C40)	999	200	"	1000	ND	99.9	70-130	0.720	35	
Surrogate: o-Terphenyl	50		"	49.8		100	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 - Shable Federal LB33-78HN

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 B5G3125 - EPA 3050B

Prepared: 07/31/2025 Analyzed: 08/01/2025

Blank (B5G3125-BLK1)

Arsenic	ND	0.271	mg/kg							U
Barium	ND	76.6	"							U
Cadmium	ND	0.355	"							U
Copper	ND	43.0	"							U
Lead	ND	13.1	"							U
Nickel	ND	24.3	"							U
Selenium	ND	0.243	"							U
Silver	ND	0.748	"							U
Zinc	ND	346	"							U

LCS (B5G3125-BS1)

Prepared: 07/31/2025 Analyzed: 08/01/2025

Arsenic	5.15	0.266	mg/kg	4.59		112	80-120			
Barium	484	75.3	"	459		105	80-120			
Cadmium	5.00	0.349	"	4.59		109	80-120			
Copper	49.7	42.2	"	45.9		108	80-120			
Lead	5.00	12.9	"	4.59		109	80-120			U
Nickel	5.26	23.9	"	4.59		115	80-120			U
Selenium	5.15	0.239	"	4.59		112	80-120			
Silver	4.96	0.734	"	4.59		108	80-120			
Zinc	51.1	340	"	45.9		111	80-120			U

Matrix Spike (B5G3125-MS1)

Source: E5G0598-01

Prepared: 07/31/2025 Analyzed: 08/01/2025

Arsenic	6.69	0.262	mg/kg	4.52	1.95	105	75-125			
Barium	541	74.1	"	452	52.3	108	75-125			
Cadmium	4.91	0.343	"	4.52	0.0585	107	75-125			
Copper	48.9	41.6	"	45.2	3.55	100	75-125			
Lead	9.63	12.7	"	4.52	4.60	111	75-125			U

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 - Shable Federal LB33-78HN

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 B5G3125 - EPA 3050B

Matrix Spike (B5G3125-MS1)

Source: E5G0598-01

Prepared: 07/31/2025 Analyzed: 08/01/2025

Nickel	10.4	23.5	mg/kg	4.52	6.07	94.8	75-125			U
Selenium	4.95	0.235	"	4.52	0.107	107	75-125			
Silver	4.81	0.723	"	4.52	0.0100	106	75-125			
Zinc	62.6	334	"	45.2	17.4	100	75-125			U

Matrix Spike Dup (B5G3125-MSD1)

Source: E5G0598-01

Prepared: 07/31/2025 Analyzed: 08/01/2025

Arsenic	6.49	0.256	mg/kg	4.42	1.95	103	75-125	3.12	20	
Barium	545	72.4	"	442	52.3	112	75-125	0.774	20	
Cadmium	4.87	0.336	"	4.42	0.0585	109	75-125	0.753	20	
Copper	49.2	40.6	"	44.2	3.55	103	75-125	0.604	20	
Lead	9.31	12.4	"	4.42	4.60	107	75-125	3.35	20	U
Nickel	10.4	23.0	"	4.42	6.07	97.2	75-125	0.0838	20	U
Selenium	4.82	0.230	"	4.42	0.107	107	75-125	2.71	20	
Silver	4.71	0.707	"	4.42	0.0100	106	75-125	2.02	20	
Zinc	61.2	327	"	44.2	17.4	99.3	75-125	2.23	20	U

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 - Shable Federal LB33-78HN

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 B5G3113 - Saturated Paste pH/EC

Blank (B5G3113-BLK1)

Prepared: 07/31/2025 Analyzed: 08/01/2025

Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
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Duplicate (B5G3113-DUP1)

Source: E5G0643-06

Prepared: 07/31/2025 Analyzed: 08/01/2025

pH	8.66		pH Units		8.65		0.116		25	
Specific Conductance (EC)	0.367	0.00500	mmhos/cm		0.397		7.93		25	

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 - Shable Federal LB33-78HN

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 B5G3124 - EPA 5030 (soil)

Blank (B5G3124-BLK1)

Prepared: 07/31/2025 Analyzed: 07/31/2025

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

102

70-130

Surrogate: Toluene-d8

0.13

"

0.125

104

70-130

Surrogate: 4-Bromofluorobenzene

0.12

"

0.125

95.6

70-130

LCS (B5G3124-BS1)

Prepared: 07/31/2025 Analyzed: 07/31/2025

1,2,4-Trimethylbenzene	0.0928	0.00200	mg/kg	0.100		92.8	70-130			
1,3,5-Trimethylbenzene	0.0938	0.00200	"	0.100		93.8	70-130			
Benzene	0.0920	0.00200	"	0.100		92.0	70-130			
Ethylbenzene	0.0915	0.00200	"	0.100		91.5	70-130			
Naphthalene	0.0844	0.00380	"	0.100		84.4	70-130			
Toluene	0.0937	0.00200	"	0.100		93.7	70-130			
o-Xylene	0.0945	0.00200	"	0.100		94.5	70-130			
m,p-Xylene	0.185	0.00400	"	0.200		92.3	70-130			

Surrogate: 1,2-Dichloroethane-d4

0.13

"

0.125

102

70-130

Surrogate: Toluene-d8

0.13

"

0.125

106

70-130

Surrogate: 4-Bromofluorobenzene

0.13

"

0.125

105

70-130

Matrix Spike (B5G3124-MS1)

Source: E5G0645-01

Prepared: 07/31/2025 Analyzed: 07/31/2025

1,2,4-Trimethylbenzene	0.0883	0.00200	mg/kg	0.100	0.0392	49.1	70-130			QM-07
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Entrada Consulting Group
 330 Grand Ave. Unit C
 Grand Junction CO 81501

Chelsea Verysen
 Project Number: [none]
 Project: Chevron - Shable Federal LB33-78HN

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 B5G3124 - EPA 5030 (soil)

Matrix Spike (B5G3124-MS1)			Source: E5G0645-01			Prepared: 07/31/2025 Analyzed: 07/31/2025				
1,3,5-Trimethylbenzene	0.0831	0.00200	mg/kg	0.100	0.00994	73.2	70-130			
Benzene	0.0883	0.00200	"	0.100	0.00140	86.9	70-130			
Ethylbenzene	0.0833	0.00200	"	0.100	0.0140	69.3	70-130			QM-07
Naphthalene	0.0822	0.00380	"	0.100	0.0163	65.8	70-130			QM-07
Toluene	0.0884	0.00200	"	0.100	0.00678	81.6	70-130			
o-Xylene	0.0999	0.00200	"	0.100	0.0327	67.2	70-130			QM-07
m,p-Xylene	0.190	0.00400	"	0.200	0.0426	73.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.15		"	0.125		118	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		105	70-130			
Surrogate: 4-Bromofluorobenzene	0.15		"	0.125		118	70-130			

Matrix Spike Dup (B5G3124-MSD1)			Source: E5G0645-01			Prepared: 07/31/2025 Analyzed: 07/31/2025				
1,2,4-Trimethylbenzene	0.0749	0.00200	mg/kg	0.100	0.0392	35.8	70-130	16.4	20	QM-07
1,3,5-Trimethylbenzene	0.0703	0.00200	"	0.100	0.00994	60.3	70-130	16.7	20	QM-07
Benzene	0.0837	0.00200	"	0.100	0.00140	82.3	70-130	5.30	20	
Ethylbenzene	0.0761	0.00200	"	0.100	0.0140	62.1	70-130	9.08	20	QM-07
Naphthalene	0.0718	0.00380	"	0.100	0.0163	55.5	70-130	13.5	20	QM-07
Toluene	0.0809	0.00200	"	0.100	0.00678	74.1	70-130	8.88	20	
o-Xylene	0.0859	0.00200	"	0.100	0.0327	53.3	70-130	15.0	20	QM-07
m,p-Xylene	0.163	0.00400	"	0.200	0.0426	60.0	70-130	15.4	20	QM-07
Surrogate: 1,2-Dichloroethane-d4	0.15		"	0.125		119	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		113	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 - Shable Federal LB33-78HN

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A105125 -

DUP (L 96079-DUP)		Source: 96079			Prepared: Analyzed: 08/06/2025					
Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500	-	0	20		
MS (L 96079-MS)		Source: 96079			Prepared: Analyzed: 08/06/2025					
Chromium, Hexavalent	ND	0.5	mg/Kg	7.87	<0.244	0	75-125			*
DUP (L 96106-DUP)		Source: E5G0648-01			Prepared: Analyzed: 08/06/2025					
Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500	-	0	20		
LCS (LCS)		Prepared: Analyzed: 08/06/2025								
Chromium, Hexavalent	7.62	0.5	mg/Kg	8		95	75-125			
LRB (LRB)		Prepared: Analyzed: 08/06/2025								
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 Verysen
Project Number: [none]
Project: Chevron - Shable Federal LB33-78HN

Notes and Definitions

- U Sample is Non-Detect.
 - QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
 - * QC Failure
 - ND Analyte NOT DETECTED at or above the reporting limit
 - RPD Relative Percent Difference
- All soil results are reported on a wet weight basis.

Origins Laboratory

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