



**Entrada Consulting Group**

**January 21, 2025**

**Chelsea Veryser**

**330 Grand Ave. Unit C**

**Grand Junction CO 81501**

**Project Name - Chevron - Blehm N26-08**

**Project Number - [none]**

Attached are your analytical results for Chevron - Blehm N26-08 received by Origins Laboratory December 16, 2024. This project is associated with Origins project number E4L0588-01.

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 Veryser  
Project Number: [none]  
Project: Chevron - Blehm N26-08

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH01@6	E4L0588-01	Soil	December 16, 2024 12:00	12/16/2024 17:10

Origins Laboratory



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

Chelsea Verseyer  
 Project Number: [none]  
 Project: Chevron - Blehm N26-08

Client: Entrada  
 Address: \_\_\_\_\_  
 Project Manager: Chelsea Verseyer  
 Project Name: Blehm N26-08  
 Key: \_\_\_\_\_  
 W=Water  
 GW=Groundwater

Telephone Number: 303.314.8703  
 Collected By: Jan Lauer  
 SW=Surface Water


Email Address: Entrada Distribution, cc:Rajeev@entrada.com  
 Invoice Billing Info: Bill to Grand Junction (Jeff Smith)  
 WW=Waste Water  
 L=Liquid

S=Soil | SO=Solid | O=Oil | A=Air | G=Gas | UNP=Unknown Pres | HCL=Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide

#	Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix Preservative	Analysis		Comments
1	WH0106	12/16/24	1200	2	UNP	X		
2	FR0109		1205					Table 915
3	WH0108		1210					Hold
4	WH0109		1215					Hold
5	WH0109		1220					Hold
6								
7								
8								
9								
10								

Relinquished By: [Signature] Date: 12/16/24 Time: 1530  
 Received By: WK Date: 12/16/24 Time: 1550  
 Relinquished By: WK Date: 12/16/24 Time: 1710  
 Received By: [Signature] Date: 12/16/24 Time: 1710

1725 Elk Place Denver, CO, 80211 | 303.433.1322 | originslab.com | **Temp Received-** Received On Ice?  Yes  No  
 Turnaround Time:  Standard  48 Hr  24 Hr

Origins Laboratory  


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Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Blehm N26-08

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: EM0588

Client: Entrada  
 Client Project ID: Blehm N26-08

Logged in by: [Signature]  
 Labeled by: [Signature]  
 Checklist Completed by: [Signature]  
 Date/time completed: 12/18/12


Shipped Via: 110  
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Airbill #: N/A

Matrix(s) Received: (Check all that apply):  Soil/Solid  Water  Other: \_\_\_\_\_  
 Cooler Number/Temperature: 1/1 °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 <sup>(1)</sup> ?	/			
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 <sup>(1)</sup> ?	/			
Was adequate sample volume provided <sup>(1)</sup> ?	/			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		/		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	/			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	/			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	/			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	/			
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 <sup>(1)</sup> ? (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 HNO <sub>3</sub> , HCl, H <sub>2</sub> SO <sub>4</sub> ) / (pH > 10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)		/		
Additional Comments (if any):				

<sup>(1)</sup> 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 12/18/12

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330 Grand Ave. Unit C  
Grand Junction CO 81501

Chelsea Veryser  
Project Number: [none]  
Project: Chevron - Blehm N26-08

WH01@6

12/16/2024 12:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
E4L0588-01 (Soil)

**Boron (DTPA Sorbitol)**

Boron	0.332		0.0981	mg/L	1	B4L1816	12/18/2024	12/19/2024	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4L1801	12/18/2024	12/19/2024	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	73.7 %		50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4L1854	12/18/2024	12/23/2024	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	116 %		70-130			"	"	"	
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Project Number: [none]  
Project: Chevron - Blehm N26-08

WH01@6

12/16/2024 12:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
E4L0588-01 (Soil)

**GBTEX+TMBs by 8260D**

Surrogate: Toluene-d8	101 %		70-130			B4L18 54	12/18/2024	12/23/2024	
Surrogate: 4-Bromofluorobenzene	108 %		70-130			"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	1.39		0.499	meq/L	10	[CALC]	12/18/2024	12/19/2024	
Magnesium	2.09		0.823	"	"	"	"	"	
Sodium	0.991		0.435	"	"	"	"	"	

**PAH BY SW8270**

1-Methylnaphthalene	ND	0.00289	0.00600	mg/kg	1	BHL1026	12/20/2024	12/20/2024	
2-Methylnaphthalene	ND	0.00723	0.0150	"	"	"	"	"	
Acenaphthene	ND	0.0402	0.0833	"	"	"	"	"	
Anthracene	ND	0.0402	0.0833	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0402	0.0833	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0402	0.0833	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0402	0.0833	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0402	0.0833	"	"	"	"	"	
Chrysene	ND	0.0402	0.0833	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0402	0.0833	"	"	"	"	"	
Fluoranthene	ND	0.0402	0.0833	"	"	"	"	"	

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**WH01@6**

**12/16/2024 12:00:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Enthalpy Analytical**  
**E4L0588-01 (Soil)**

**PAH BY SW8270**

Fluorene	ND	0.0402	0.0833	mg/kg	1	BHL1026	12/20/2024	12/20/2024	
Indeno (1,2,3-cd) pyrene	ND	0.0402	0.0833	"	"	"	"	"	
Naphthalene	ND	0.00183	0.00380	"	"	"	"	"	
Pyrene	ND	0.0402	0.0833	"	"	"	"	"	

Surrogate: 2,4,6-Tribromophenol (Surr)	43.6 %		15-96			"	"	"	
Surrogate: 2-Fluorobiphenyl (Surr)	17.3 %		19-105			"	"	"	S
Surrogate: 2-Fluorophenol (Surr)	26.4 %		12-95			"	"	"	
Surrogate: Nitrobenzene-d5 (Surr)	19.8 %		21-100			"	"	"	S
Surrogate: Phenol-d5 (Surr)	36.6 %		13-100			"	"	"	
Surrogate: p-Terphenyl-d14 (Surr)	48.6 %		25-125			"	"	"	

**pH in Soil by 9045D**

pH	8.38			pH Units	1	B4L1822	12/18/2024	12/19/2024	
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**SAR by 20B Saturated Paste**

SAR	0.751		0.0100	SAR	1	B4L1811	12/18/2024	12/19/2024	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.595		0.00500	mmhos/cm	1	B4L1822	12/18/2024	12/19/2024	
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WH01@6

12/16/2024 12:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
E4L0588-01 (Soil)

**Table 915 metals by EPA 6020B**

Arsenic	4.78		0.282	mg/kg	10	B4L1837	12/18/2024	12/21/2024	
Barium	130		9.73	"	"	"	"	"	
Cadmium	0.197		0.0973	"	"	"	"	"	
Copper	ND		9.73	"	"	"	"	"	
Lead	48.9		0.973	"	"	"	"	"	
Nickel	10.7		0.973	"	"	"	"	"	
Selenium	ND		0.253	"	"	"	"	"	
Silver	ND		0.0973	"	"	"	"	"	
Zinc	41.8		36.0	"	"	"	"	"	

**TOTAL METALS BY SW7199**

Chromium, Hexavalent	ND	0.19	0.19	mg/kg	1	BIA0015	12/29/2024	12/29/2024	
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Chelsea Veryser  
Project Number: [none]  
Project: Chevron - Blehm N26-08

**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
<b>Batch B4L1801 - EPA 3550B</b>										
<b>Blank (B4L1801-BLK1)</b>										
					Prepared: 12/18/2024 Analyzed: 12/19/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	20		"	24.9		80.3	50-150			

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 Project Number: [none]  
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**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
<b>Batch B4L1801 - EPA 3550B</b>										
<b>LCS (B4L1801-BS1)</b>										
					Prepared: 12/18/2024 Analyzed: 12/19/2024					
Diesel (C10-C28)	940	50.0	mg/kg	1000		94.0	70-130			
Residual Range Organics (C28-C40)	1030	200	"	1000		103	70-130			
Surrogate: o-Terphenyl	51		"	49.8		103	50-150			

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**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 B4L1801 - EPA 3550B**

<b>Matrix Spike (B4L1801-MS1)</b>	<b>Source: E4L0587-01</b>				<b>Prepared: 12/18/2024 Analyzed: 12/19/2024</b>					
Diesel (C10-C28)	933	50.0	mg/kg	1000	ND	93.3	70-130			
Residual Range Organics (C28-C40)	1030	200	"	1000	54.2	97.9	70-130			
Surrogate: o-Terphenyl	47		"	49.8		94.2	50-150			

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**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 B4L1801 - EPA 3550B**

<b>Matrix Spike Dup (B4L1801-MSD1)</b>	<b>Source: E4L0587-01</b>				<b>Prepared: 12/18/2024 Analyzed: 12/19/2024</b>					
Diesel (C10-C28)	930	50.0	mg/kg	1000	ND	93.0	70-130	0.260	35	
Residual Range Organics (C28-C40)	1030	200	"	1000	54.2	97.3	70-130	0.599	35	
Surrogate: o-Terphenyl	47		"	49.8		94.1	50-150			

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**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 B4L1854 - EPA 5030 (soil)

Blank (B4L1854-BLK1)

Prepared: 12/18/2024 Analyzed: 12/22/2024

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	101		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	104		70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	107		70-130			

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Chelsea Veryser  
Project Number: [none]  
Project: Chevron - Blehm N26-08

**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 B4L1854 - EPA 5030 (soil)

**LCS (B4L1854-BS1)**

Prepared: 12/18/2024 Analyzed: 12/22/2024

1,2,4-Trimethylbenzene	0.0906	0.00200	mg/kg	0.100		90.6	70-130			
1,3,5-Trimethylbenzene	0.0908	0.00200	"	0.100		90.8	70-130			
Benzene	0.0940	0.00200	"	0.100		94.0	70-130			
Ethylbenzene	0.0945	0.00200	"	0.100		94.5	70-130			
Naphthalene	0.0919	0.00380	"	0.100		91.9	70-130			
Toluene	0.0895	0.00200	"	0.100		89.5	70-130			
o-Xylene	0.0806	0.00200	"	0.100		80.6	70-130			
m,p-Xylene	0.180	0.00400	"	0.200		90.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		107	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		109	70-130			

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**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 B4L1854 - EPA 5030 (soil)

Matrix Spike (B4L1854-MS1)	Source: E4L0503-01			Prepared: 12/18/2024 Analyzed: 12/22/2024						
1,2,4-Trimethylbenzene	0.247	0.00200	mg/kg	0.100	0.199	47.4	70-130			QM-07
1,3,5-Trimethylbenzene	0.0704	0.00200	"	0.100	0.0161	54.3	70-130			QM-07
Benzene	0.0768	0.00200	"	0.100	ND	76.8	70-130			
Ethylbenzene	0.0781	0.00200	"	0.100	0.00706	71.1	70-130			
Naphthalene	0.0901	0.00380	"	0.100	0.0281	62.0	70-130			QM-07
Toluene	0.0731	0.00200	"	0.100	0.000500	72.6	70-130			
o-Xylene	0.0639	0.00200	"	0.100	0.000760	63.1	70-130			QM-07
m,p-Xylene	0.150	0.00400	"	0.200	0.0141	67.9	70-130			QM-07
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		108	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		110	70-130			

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**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 B4L1854 - EPA 5030 (soil)

Matrix Spike Dup (B4L1854-MSD1)	Source: E4L0503-01			Prepared: 12/18/2024 Analyzed: 12/22/2024						
1,2,4-Trimethylbenzene	0.232	0.00200	mg/kg	0.100	0.199	32.5	70-130	6.24	20	QM-07
1,3,5-Trimethylbenzene	0.0618	0.00200	"	0.100	0.0161	45.7	70-130	13.0	20	QM-07
Benzene	0.0692	0.00200	"	0.100	ND	69.2	70-130	10.5	20	QM-07
Ethylbenzene	0.0717	0.00200	"	0.100	0.00706	64.6	70-130	8.62	20	QM-07
Naphthalene	0.0908	0.00380	"	0.100	0.0281	62.7	70-130	0.818	20	QM-07
Toluene	0.0673	0.00200	"	0.100	0.000500	66.8	70-130	8.29	20	QM-07
o-Xylene	0.0577	0.00200	"	0.100	0.000760	57.0	70-130	10.1	20	QM-07
m,p-Xylene	0.137	0.00400	"	0.200	0.0141	61.5	70-130	8.88	20	QM-07
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		107	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		109	70-130			

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 Grand Junction CO 81501

Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Blehm N26-08

**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 B4L1837 - EPA 3050B**

**Blank (B4L1837-BLK1)**

Prepared: 12/18/2024 Analyzed: 12/21/2024

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 (B4L1837-BS1)**

Prepared: 12/18/2024 Analyzed: 12/21/2024

Arsenic	5.43	0.290	mg/kg	5.00		109	80-120			
Barium	489	10.0	"	500		97.7	80-120			
Cadmium	5.50	0.100	"	5.00		110	80-120			
Copper	50.9	10.0	"	50.0		102	80-120			
Lead	5.08	1.00	"	5.00		102	80-120			
Nickel	5.39	1.00	"	5.00		108	80-120			
Selenium	5.26	0.260	"	5.00		105	80-120			
Silver	5.91	0.100	"	5.00		118	80-120			
Zinc	52.7	37.0	"	50.0		105	80-120			

**Matrix Spike (B4L1837-MS1)**

Source: E4L0588-01

Prepared: 12/18/2024 Analyzed: 12/21/2024

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Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Blehm N26-08

**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 B4L1837 - EPA 3050B

**Matrix Spike (B4L1837-MS1)**

Source: E4L0588-01

Prepared: 12/18/2024 Analyzed: 12/21/2024

Arsenic	9.40	0.268	mg/kg	4.63	4.78	99.6	75-125			
Barium	522	9.25	"	463	130	84.9	75-125			
Cadmium	4.66	0.0925	"	4.63	0.197	96.5	75-125			
Copper	54.1	9.25	"	46.3	9.56	96.3	75-125			
Lead	15.5	0.925	"	4.63	48.9	NR	75-125			QM-07
Nickel	15.1	0.925	"	4.63	10.7	94.3	75-125			
Selenium	4.61	0.241	"	4.63	0.171	95.9	75-125			
Silver	4.72	0.0925	"	4.63	0.0711	100	75-125			
Zinc	86.3	34.2	"	46.3	41.8	96.1	75-125			

**Matrix Spike Dup (B4L1837-MSD1)**

Source: E4L0588-01

Prepared: 12/18/2024 Analyzed: 12/21/2024

Arsenic	9.38	0.273	mg/kg	4.71	4.78	97.5	75-125	0.202	20	
Barium	554	9.41	"	471	130	90.2	75-125	5.89	20	
Cadmium	4.82	0.0941	"	4.71	0.197	98.1	75-125	3.23	20	
Copper	52.2	9.41	"	47.1	9.56	90.6	75-125	3.54	20	
Lead	16.9	0.941	"	4.71	48.9	NR	75-125	8.43	20	QM-07
Nickel	14.6	0.941	"	4.71	10.7	81.7	75-125	3.50	20	
Selenium	4.90	0.245	"	4.71	0.171	101	75-125	6.21	20	
Silver	4.94	0.0941	"	4.71	0.0711	103	75-125	4.60	20	
Zinc	83.6	34.8	"	47.1	41.8	88.9	75-125	3.11	20	

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Chelsea Veryser  
Project Number: [none]  
Project: Chevron - Blehm N26-08

**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 B4L1811 - Saturated Paste Metals**

**Blank (B4L1811-BLK1)**

Prepared: 12/18/2024 Analyzed: 12/19/2024

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

**Duplicate (B4L1811-DUP1)**

**Source: E4L0586-01**

Prepared: 12/18/2024 Analyzed: 12/19/2024

Calcium PPM	494	10.0	mg/L		372			28.2	50	
SAR	ND	0.0100	SAR		8.11				200	
Magnesium PPM	403	10.0	mg/L		261			42.7	50	
Sodium PPM	1290	10.0	"		835			43.1	50	

**Batch B4L1816 - DTPA Sorbitol Preparation**

**Blank (B4L1816-BLK1)**

Prepared: 12/18/2024 Analyzed: 12/19/2024

Boron	ND	0.100	mg/L							
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**Duplicate (B4L1816-DUP1)**

**Source: E4L0586-03**

Prepared: 12/18/2024 Analyzed: 12/19/2024

Boron	0.453	0.0988	mg/L		0.429			5.27	50	
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 Project: Chevron - Blehm N26-08

**Saturated Paste - Quality Control  
 Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B4L1822 - Saturated Paste pH/EC</b>										
<b>Blank (B4L1822-BLK1)</b>					Prepared: 12/18/2024 Analyzed: 12/19/2024					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
<b>Duplicate (B4L1822-DUP1)</b>					Source: E4L0586-01 Prepared: 12/18/2024 Analyzed: 12/19/2024					
pH	7.95		pH Units		8.01		0.752	25		
Specific Conductance (EC)	10.0	0.00500	mmhos/cm		7.32		31.3	25		QR-DUP

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Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Blehm N26-08

**PAH BY SW8270 - Quality Control**  
**Enthalpy Analytical**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch BHL1026 - SW3550C/EPA600-MS**

**Blank (BHL1026-BLK1)**

Prepared: 12/20/2024 Analyzed: 12/20/2024

1-Methylnaphthalene	ND	0.00600	mg/kg				-			
2-Methylnaphthalene	ND	0.0150	"				-			
Acenaphthene	ND	0.0833	"				-			
Anthracene	ND	0.0833	"				-			
Benzo (a) anthracene	ND	0.0110	"				-			
Benzo (a) pyrene	ND	0.0833	"				-			
Benzo (b) fluoranthene	ND	0.0833	"				-			
Benzo (k) fluoranthene	ND	0.0833	"				-			
Chrysene	ND	0.0833	"				-			
Dibenz (a,h) anthracene	ND	0.0833	"				-			
Fluoranthene	ND	0.0833	"				-			
Fluorene	ND	0.0833	"				-			
Indeno (1,2,3-cd) pyrene	ND	0.0833	"				-			
Naphthalene	ND	0.00380	"				-			
Pyrene	ND	0.0833	"				-			

Surrogate: 2,4,6-Tribromophenol (Surr)	1.75		"	3.33		52.4	15-96			
Surrogate: 2-Fluorobiphenyl (Surr)	0.798		"	1.67		47.9	19-105			
Surrogate: 2-Fluorophenol (Surr)	1.05		"	3.33		31.4	12-95			
Surrogate: Nitrobenzene-d5 (Surr)	0.733		"	1.67		44.0	21-100			
Surrogate: Phenol-d5 (Surr)	1.81		"	3.33		54.2	13-100			
Surrogate: p-Terphenyl-d14 (Surr)	0.828		"	1.67		49.7	25-125			

**LCS (BHL1026-BS1)**

Prepared: 12/20/2024 Analyzed: 12/20/2024

1-Methylnaphthalene	ND	0.0833	mg/kg				0-200			
2-Methylnaphthalene	ND	0.0833	"				70-130			
Acenaphthene	0.956	0.0833	"	1.67		57.4	24-110			
Anthracene	0.957	0.0833	"	1.67		57.4	25-117			

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Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Blehm N26-08

**PAH BY SW8270 - Quality Control**  
**Enthalpy Analytical**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch BHL1026 - SW3550C/EPA600-MS**

**LCS (BHL1026-BS1)**

Prepared: 12/20/2024 Analyzed: 12/20/2024

Benzo (a) anthracene	1.06	0.0833	mg/kg	1.67		63.8	25-127			
Benzo (a) pyrene	0.991	0.0833	"	1.67		59.5	18-127			
Benzo (b) fluoranthene	1.01	0.0833	"	1.67		60.6	20-132			
Benzo (k) fluoranthene	0.879	0.0833	"	1.67		52.8	14-136			
Chrysene	1.09	0.0833	"	1.67		65.5	21-141			
Dibenz (a,h) anthracene	1.18	0.0833	"	1.67		70.6	10-142			
Fluoranthene	1.08	0.0833	"	1.67		64.6	19-138			
Fluorene	0.919	0.0833	"	1.67		55.1	25-114			
Indeno (1,2,3-cd) pyrene	1.06	0.0833	"	1.67		63.8	10-136			
Naphthalene	0.838	0.0833	"	1.67		50.3	18-109			
Pyrene	0.883	0.0833	"	1.67		53.0	17-159			
Surrogate: 2,4,6-Tribromophenol (Surr)	1.95		"	3.33		58.4	15-96			
Surrogate: 2-Fluorobiphenyl (Surr)	0.842		"	1.67		50.5	19-105			
Surrogate: 2-Fluorophenol (Surr)	1.10		"	3.33		32.9	12-95			
Surrogate: Nitrobenzene-d5 (Surr)	0.809		"	1.67		48.5	21-100			
Surrogate: Phenol-d5 (Surr)	1.86		"	3.33		55.9	13-100			
Surrogate: p-Terphenyl-d14 (Surr)	0.909		"	1.67		54.6	25-125			

**Matrix Spike (BHL1026-MS1)**

Source: 24L0572-05

Prepared: 12/20/2024 Analyzed: 12/20/2024

1-Methylnaphthalene	ND	0.0833	mg/kg		ND		0-200			
2-Methylnaphthalene	ND	0.0833	"		ND		70-130			
Acenaphthene	0.766	0.0833	"	1.66	ND	46.1	10-124			
Anthracene	0.736	0.0833	"	1.66	ND	44.3	10-143			
Benzo (a) anthracene	0.823	0.0833	"	1.66	ND	49.5	10-169			
Benzo (a) pyrene	0.804	0.0833	"	1.66	ND	48.4	10-149			
Benzo (b) fluoranthene	0.777	0.0833	"	1.66	ND	46.8	10-150			
Benzo (k) fluoranthene	0.777	0.0833	"	1.66	ND	46.8	10-211			

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Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Blehm N26-08

**PAH BY SW8270 - Quality Control**  
**Enthalpy Analytical**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch BHL1026 - SW3550C/EPA600-MS**

<b>Matrix Spike (BHL1026-MS1)</b>	<b>Source: 24L0572-05</b>			<b>Prepared: 12/20/2024 Analyzed: 12/20/2024</b>						
Chrysene	0.869	0.0833	mg/kg	1.66	ND	52.3	10-172			
Dibenz (a,h) anthracene	0.985	0.0833	"	1.66	ND	59.3	10-128			
Fluoranthene	0.902	0.0833	"	1.66	ND	54.3	10-271			
Fluorene	0.968	0.0833	"	1.66	ND	58.3	10-124			
Indeno (1,2,3-cd) pyrene	0.868	0.0833	"	1.66	ND	52.2	10-127			
Naphthalene	0.574	0.0833	"	1.66	ND	34.6	10-118			
Pyrene	0.648	0.0833	"	1.66	ND	39.0	10-212			
<i>Surrogate: 2,4,6-Tribromophenol (Surr)</i>	1.56		"	3.32		47.0	15-96			
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>	0.871		"	1.66		52.5	19-105			
<i>Surrogate: 2-Fluorophenol (Surr)</i>	1.01		"	3.32		30.5	12-95			
<i>Surrogate: Nitrobenzene-d5 (Surr)</i>	0.590		"	1.66		35.5	21-100			
<i>Surrogate: Phenol-d5 (Surr)</i>	1.33		"	3.32		40.0	13-100			
<i>Surrogate: p-Terphenyl-d14 (Surr)</i>	0.633		"	1.66		38.1	25-125			

<b>Matrix Spike Dup (BHL1026-MSD1)</b>	<b>Source: 24L0572-05</b>			<b>Prepared: 12/20/2024 Analyzed: 12/20/2024</b>						
1-Methylnaphthalene	ND	0.0833	mg/kg		ND		0-200		20	
2-Methylnaphthalene	ND	0.0833	"		ND		70-130		20	
Acenaphthene	0.826	0.0833	"	1.65	ND	50.0	10-124	7.45	20	
Anthracene	0.815	0.0833	"	1.65	ND	49.4	10-143	10.1	20	
Benzo (a) anthracene	0.903	0.0833	"	1.65	ND	54.7	10-169	9.31	20	
Benzo (a) pyrene	0.896	0.0833	"	1.65	ND	54.3	10-149	10.8	20	
Benzo (b) fluoranthene	0.858	0.0833	"	1.65	ND	52.0	10-150	9.91	20	
Benzo (k) fluoranthene	0.871	0.0833	"	1.65	ND	52.8	10-211	11.4	20	
Chrysene	0.942	0.0833	"	1.65	ND	57.1	10-172	8.01	20	
Dibenz (a,h) anthracene	0.941	0.0833	"	1.65	ND	57.0	10-128	4.58	20	
Fluoranthene	0.931	0.0833	"	1.65	ND	56.4	10-271	3.20	20	
Fluorene	0.796	0.0833	"	1.65	ND	48.2	10-124	19.6	20	

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330 Grand Ave. Unit C  
Grand Junction CO 81501

Chelsea Veryser  
Project Number: [none]  
Project: Chevron - Blehm N26-08

**PAH BY SW8270 - Quality Control  
Enthalpy Analytical**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BHL1026 - SW3550C/EPA600-MS

Matrix Spike Dup (BHL1026-MSD1)	Source: 24L0572-05			Prepared: 12/20/2024 Analyzed: 12/20/2024						
Indeno (1,2,3-cd) pyrene	0.848	0.0833	mg/kg	1.65	ND	51.4	10-127	2.36	20	
Naphthalene	0.654	0.0833	"	1.65	ND	39.7	10-118	13.0	20	
Pyrene	0.760	0.0833	"	1.65	ND	46.0	10-212	15.8	20	
Surrogate: 2,4,6-Tribromophenol (Surr)	1.73		"	3.30		52.4	15-96			
Surrogate: 2-Fluorobiphenyl (Surr)	0.652		"	1.65		39.5	19-105			
Surrogate: 2-Fluorophenol (Surr)	1.66		"	3.30		50.4	12-95			
Surrogate: Nitrobenzene-d5 (Surr)	0.770		"	1.65		46.6	21-100			
Surrogate: Phenol-d5 (Surr)	1.86		"	3.30		56.4	13-100			
Surrogate: p-Terphenyl-d14 (Surr)	0.758		"	1.65		46.0	25-125			

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330 Grand Ave. Unit C  
Grand Junction CO 81501

Chelsea Veryser  
Project Number: [none]  
Project: Chevron - Blehm N26-08

**TOTAL METALS BY SW7199 - Quality Control**  
**Enthalpy Analytical**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch BIA0015 - No Prep IC-WET</b>										
<b>Blank (BIA0015-BLK1)</b>					Prepared: 12/29/2024 Analyzed: 12/29/2024					
Chromium, Hexavalent	ND	0.005	mg/kg				-			
<b>LCS (BIA0015-BS1)</b>					Prepared: 12/29/2024 Analyzed: 12/29/2024					
Chromium, Hexavalent	0.05	0.005	mg/kg	0.0500		107	80-120			
<b>Matrix Spike (BIA0015-MS1)</b>					Source: 24L1130-01 Prepared: 12/29/2024 Analyzed: 12/29/2024					
Chromium, Hexavalent	2.15	0.19	mg/kg	1.93	ND	111	75-125			
<b>Matrix Spike Dup (BIA0015-MSD1)</b>					Source: 24L1130-01 Prepared: 12/29/2024 Analyzed: 12/29/2024					
Chromium, Hexavalent	2.04	0.19	mg/kg	1.92	ND	106	75-125	4.94	20	

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Chelsea Veryser  
Project Number: [none]  
Project: Chevron - Blehm N26-08

## Notes and Definitions

- U Sample is Non-Detect.
- S Surrogate recovery was outside acceptance criteria
- 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.
- P Duplicate analysis does not meet the acceptance criteria for precision
- M Matrix spike recovery is outside established acceptance limits
- L LCS recovery is outside of established acceptance limits
- P [Undefined]
- 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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