



Confluence Compliance Companies, LL

Chris McKisson

403 1/2 Rockwood Lane

Grand Junction CO 81507

August 19, 2025

Project Name - Noble - Derr 21-04

Project Number - [none]

Attached are your analytical results for Noble - Derr 21-04 received by Origins Laboratory August 08, 2025. This project is associated with Origins project number E5H0211-01.

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



Confluence Compliance Companies, L
403 1/2 Rockwood Lane
Grand Junction CO 81507

Chris McKisson
Project Number: [none]
Project: Noble - Derr 21-04

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BKG01@5'	E5H0211-01	Soil	August 7, 2025 9:20	08/08/2025 17:10
BKG02@5'	E5H0211-02	Soil	August 7, 2025 9:50	08/08/2025 17:10

Origins Laboratory

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ORIGINS LABORATORY

Confluence Compliance Companies, L
 403 1/2 Rockwood Lane
 Grand Junction CO 81507

Chris McKisson
 Project Number: [none]
 Project: Noble - Derr 21-04



ES210211

Page 1 of 1

Client: Confluence Compliance Companies / Noble
 Address: 403 1/2 Rockwood Lane
 Telephone Number: 720 490 6758
 Email Address: Chris.Mckisson@confluence.com
 Project Manager: Chris McKisson
 Project Name: Derr 21-04
 Project Number: [none]
 Collected By: JG
 Invoice Billing Info: Noble Energy, Lower Hook
 Key: W=Water
 GVI=Groundwater
 SW=Surface Water
 WW=Wastewater
 L=Liquid

#	Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix Preservative	Analysis				Comments
						Aspirate	Filter	Metals	Chromium	
1	BK60125	8/7	9:20	2	UNP	X	X	X	X	
2	BK60125	8/7	9:50	2	UNP	X	X	X	X	
3										
4										
5										
6										
7										
8										
9										
10										

Refrigerated By: [Signature] Date: 8/19/25 Time: 8:17:40
 Received By: NB Date: 8/8/25 Time: 15:15
 Re-refrigerated By: NB Date: 8/6/25 Time: 17:09
 Received By: NLM Date: 09/08/25 Time: 17:10

Temp Received - 1.0°C Received On Ice? Yes No
 Turnaround Time: 48 Hr 72 Hr
 SAME DAY 24 Hr

Origins Laboratory

[Signature]

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ORIGINS LABORATORY

Confluence Compliance Companies, L
403 1/2 Rockwood Lane
Grand Junction CO 81507

Chris McKisson
Project Number: [none]
Project: Noble - Derr 21-04

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

Sample Receipt Checklist

Origins Work Order: ESH0211 Client: Confluence
Client Project ID: Derr 21-04

Checklist Completed by: SMC/NKA Shipped Via: HD
Airbill #: N/A

Date/time completed: 8/11/25

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

Cooler Number/Temperature: 1 / 1.0 °C

Thermometer ID: T-007

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	✓			
Is there ice present (document if blue ice is used)	✓			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		✓		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		✓		
Were all samples received intact ⁽¹⁾ ?	✓			
Was adequate sample volume provided ⁽¹⁾ ?	✓			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		✓		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	✓			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	✓			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	✓			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	✓			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			✓	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) (preservation is not confirmed for subcontracted analyses in order to insure sample integrity) (pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with Na ₂ O 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) _____

08/11/25
Date/Time Reviewed

Origins Laboratory

ESH

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Confluence Compliance Companies, L
 403 1/2 Rockwood Lane
 Grand Junction CO 81507

Chris McKisson
 Project Number: [none]
 Project: Noble - Derr 21-04

BKG01@5'

8/7/2025 9:20:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5H0211-01 (Soil)
GEL Laboratories, LLC

TOTAL METALS BY 7196A

Hexavalent Chromium	ND	0.144	0.359	mg/kg dry	1	2847257	08/18/2025	08/18/2025	U
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Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.498		0.101	mg/L	1	B5H1102	08/11/2025	08/12/2025	
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Metals by Saturated Paste by EPA 6010

Calcium	6.10		0.499	meq/L	10	[CALC]	08/11/2025	08/12/2025	
Magnesium	2.83		0.823	"	"	"	"	"	
Sodium	3.35		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.14			pH Units	1	B5H1106	08/11/2025	08/12/2025	
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SAR by 20B Saturated Paste

SAR	1.59		0.0100	SAR	1	B5H1104	08/11/2025	08/12/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.15		0.00500	mmhos/cm	1	B5H1106	08/11/2025	08/12/2025	
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 Grand Junction CO 81507

Chris McKisson
 Project Number: [none]
 Project: Noble - Derr 21-04

BKG01@5'

8/7/2025 9:20:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5H0211-01 (Soil)
 Origins Laboratory**

Table 915 metals by EPA 6020B

Arsenic	5.67		0.279	mg/kg	10	B5H1124	08/11/2025	08/13/2025	
Barium	107		79.0	"	"	"	"	"	
Cadmium	ND		0.366	"	"	"	"	"	Ua
Copper	ND		44.3	"	"	"	"	"	Ua
Lead	ND		13.5	"	"	"	"	"	Ua
Nickel	ND		25.0	"	"	"	"	"	Ua
Selenium	0.267		0.250	"	"	"	"	"	
Silver	ND		0.771	"	"	"	"	"	Ua
Zinc	ND		356	"	"	"	"	"	Ua

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Confluence Compliance Companies, L
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Chris McKisson
 Project Number: [none]
 Project: Noble - Derr 21-04

BKG02@5'

8/7/2025 9:50:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5H0211-02 (Soil)
GEL Laboratories, LLC

TOTAL METALS BY 7196A

Hexavalent Chromium	ND	0.104	0.260	mg/kg dry	1	2847257	08/18/2025	08/18/2025	U
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Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.195		0.102	mg/L	1	B5H1102	08/11/2025	08/12/2025	
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Metals by Saturated Paste by EPA 6010

Calcium	3.01		0.499	meq/L	10	[CALC]	08/11/2025	08/12/2025	
Magnesium	1.47		0.823	"	"	"	"	"	
Sodium	2.01		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.27			pH Units	1	B5H1106	08/11/2025	08/12/2025	
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SAR by 20B Saturated Paste

SAR	1.34		0.0100	SAR	1	B5H1104	08/11/2025	08/12/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.643		0.00500	mmhos/cm	1	B5H1106	08/11/2025	08/12/2025	
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 Grand Junction CO 81507

Chris McKisson
 Project Number: [none]
 Project: Noble - Derr 21-04

BKG02@5'

8/7/2025 9:50:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5H0211-02 (Soil)
 Origins Laboratory**

Table 915 metals by EPA 6020B

Arsenic	33.2		0.272	mg/kg	10	B5H1124	08/11/2025	08/13/2025	
Barium	134		77.0	"	"	"	"	"	
Cadmium	ND		0.357	"	"	"	"	"	Ua
Copper	ND		43.2	"	"	"	"	"	Ua
Lead	ND		13.2	"	"	"	"	"	Ua
Nickel	ND		24.4	"	"	"	"	"	Ua
Selenium	0.653		0.244	"	"	"	"	"	
Silver	ND		0.752	"	"	"	"	"	Ua
Zinc	ND		348	"	"	"	"	"	Ua

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 Project Number: [none]
 Project: Noble - Derr 21-04

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 B5H1102 - DTPA Sorbitol Preparation

Blank (B5H1102-BLK1)

Prepared: 08/11/2025 Analyzed: 08/12/2025

Boron	ND	0.100	mg/L							Ua
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Duplicate (B5H1102-DUP1)

Source: E5H0203-01

Prepared: 08/11/2025 Analyzed: 08/12/2025

Boron	0.0736	0.0997	mg/L		0.112			41.8	50	Ua
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Batch B5H1104 - Saturated Paste Metals

Blank (B5H1104-BLK1)

Prepared: 08/11/2025 Analyzed: 08/12/2025

Calcium PPM	ND	10.0	mg/L							Ua
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SAR	ND	0.0100	SAR							Ua
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Magnesium PPM	ND	10.0	mg/L							Ua
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Sodium PPM	ND	10.0	"							Ua
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Duplicate (B5H1104-DUP1)

Source: E5H0207-01

Prepared: 08/11/2025 Analyzed: 08/12/2025

Calcium PPM	16.2	10.0	mg/L		17.7			8.73	50	
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SAR	ND	0.0100	SAR		3.61				200	Ua
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Magnesium PPM	4.96	10.0	mg/L		5.15			3.76	50	Ua
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Sodium PPM	74.8	10.0	"		67.1			11.0	50	
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Confluence Compliance Companies, L
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 Grand Junction CO 81507

Chris McKisson
 Project Number: [none]
 Project: Noble - Derr 21-04

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 B5H1124 - EPA 3050B

Prepared: 08/11/2025 Analyzed: 08/13/2025

Blank (B5H1124-BLK1)

Arsenic	ND	0.290	mg/kg							Ua
Barium	ND	82.0	"							Ua
Cadmium	ND	0.380	"							Ua
Copper	ND	46.0	"							Ua
Lead	ND	14.0	"							Ua
Nickel	ND	26.0	"							Ua
Selenium	ND	0.260	"							Ua
Silver	ND	0.800	"							Ua
Zinc	ND	370	"							Ua

LCS (B5H1124-BS1)

Prepared: 08/11/2025 Analyzed: 08/13/2025

Arsenic	5.68	0.290	mg/kg	5.00		114	80-120			
Barium	523	82.0	"	500		105	80-120			
Cadmium	5.73	0.380	"	5.00		115	80-120			
Copper	54.6	46.0	"	50.0		109	80-120			
Lead	5.39	14.0	"	5.00		108	80-120			Ua
Nickel	5.46	26.0	"	5.00		109	80-120			Ua
Selenium	5.81	0.260	"	5.00		116	80-120			
Silver	5.37	0.800	"	5.00		107	80-120			
Zinc	55.3	370	"	50.0		111	80-120			Ua

Matrix Spike (B5H1124-MS1)

Source: E5H0207-01

Prepared: 08/11/2025 Analyzed: 08/13/2025

Arsenic	8.93	0.284	mg/kg	4.89	3.16	118	75-125			
Barium	667	80.2	"	489	64.4	123	75-125			
Cadmium	6.36	0.372	"	4.89	0.119	128	75-125			QM-07
Copper	67.7	45.0	"	48.9	6.34	125	75-125			
Lead	15.0	13.7	"	4.89	7.53	152	75-125			QM-07

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 403 1/2 Rockwood Lane
 Grand Junction CO 81507

Chris McKisson
 Project Number: [none]
 Project: Noble - Derr 21-04

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 B5H1124 - EPA 3050B

Matrix Spike (B5H1124-MS1)

Source: E5H0207-01

Prepared: 08/11/2025 Analyzed: 08/13/2025

Nickel	11.8	25.4	mg/kg	4.89	5.57	128	75-125			QM-07, Ua
Selenium	6.14	0.254	"	4.89	0.153	122	75-125			
Silver	5.92	0.783	"	4.89	0.0166	121	75-125			
Zinc	83.4	362	"	48.9	28.1	113	75-125			Ua

Matrix Spike Dup (B5H1124-MSD1)

Source: E5H0207-01

Prepared: 08/11/2025 Analyzed: 08/13/2025

Arsenic	9.07	0.267	mg/kg	4.61	3.16	128	75-125	1.51	20	QM-07
Barium	601	75.6	"	461	64.4	116	75-125	10.4	20	
Cadmium	5.70	0.350	"	4.61	0.119	121	75-125	11.0	20	
Copper	61.1	42.4	"	46.1	6.34	119	75-125	10.2	20	
Lead	12.9	12.9	"	4.61	7.53	117	75-125	14.6	20	Ua
Nickel	11.7	24.0	"	4.61	5.57	133	75-125	1.01	20	QM-07, Ua
Selenium	5.52	0.240	"	4.61	0.153	116	75-125	10.6	20	
Silver	5.19	0.738	"	4.61	0.0166	112	75-125	13.0	20	
Zinc	82.5	341	"	46.1	28.1	118	75-125	1.02	20	Ua

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Confluence Compliance Companies, L
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Chris McKisson
 Project Number: [none]
 Project: Noble - Derr 21-04

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 B5H1106 - Saturated Paste pH/EC

Blank (B5H1106-BLK1)

Prepared: 08/11/2025 Analyzed: 08/12/2025

Specific Conductance (EC)	ND	0.00500	mmhos/cm							Ua
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Duplicate (B5H1106-DUP1)

Source: E5H0207-01

Prepared: 08/11/2025 Analyzed: 08/12/2025

Specific Conductance (EC)	0.514	0.00500	mmhos/cm		0.478			7.33	25	
pH	8.38		pH Units		8.38			0.00	25	

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 403 1/2 Rockwood Lane
 Grand Junction CO 81507

Chris McKisson
 Project Number: [none]
 Project: Noble - Derr 21-04

TOTAL METALS BY 7196A - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2847257 - SW846 3060A

BLANK (1206202775-BLK)

Prepared: 08/18/2025 Analyzed: 08/18/2025

Hexavalent Chromium	ND	0.380	mg/kg				-			U
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LCS (1206202776-BKS)

Prepared: 08/18/2025 Analyzed: 08/18/2025

Hexavalent Chromium	3.72	0.362	mg/kg	3.62		103	80-120			
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DUP (1206202777 D)

Source: 737754001

Prepared: 08/18/2025 Analyzed: 08/18/2025

Hexavalent Chromium	ND	0.466	mg/kg dry		<0.186		0-50	N/A	50	U
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MS (1206202778 S)

Source: 737754001

Prepared: 08/18/2025 Analyzed: 08/18/2025

Hexavalent Chromium	2.40	0.409	mg/kg dry	4.09	<0.164	58.5	75-125			
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DUP (1206202779 D)

Source: 737763001

Prepared: 08/18/2025 Analyzed: 08/18/2025

Hexavalent Chromium	ND	0.289	mg/kg dry		<0.116		0-50	N/A	50	U
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MS (1206202780 S)

Source: 737763001

Prepared: 08/18/2025 Analyzed: 08/18/2025

Hexavalent Chromium	1.98	0.416	mg/kg dry	4.16	<0.166	45.8	75-125			
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ILCS (1206202800-ILCS)

Prepared: 08/18/2025 Analyzed: 08/18/2025

Hexavalent Chromium	8.02	0.380	mg/kg	7.61		105	80-120			
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403 1/2 Rockwood Lane
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Chris McKisson
Project Number: [none]
Project: Noble - Derr 21-04

Notes and Definitions

- Ua Sample is Non-Detect.
 - U Result not detected above the detection limit
 - QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
 - 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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