

May 13, 2024

Entrada Consulting Group

Chelsea Veryter

330 Grand Ave. Unit C

Grand Junction CO 81501

Project Name - Chevron - Bernhardt J31-33D

Project Number - [none]

Attached are your analytical results for Chevron - Bernhardt J31-33D received by Origins Laboratory, Inc. April 30, 2024. This project is associated with Origins project number Y405014-01.

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, Inc.
303.433.1322
o-squad@oelabinc.com



Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryter

Project Number: [none]

Project: Chevron - Bernhardt J31-33D

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BKG02@4	Y405014-01	Soil	April 26, 2024 11:00	04/30/2024 15:39
BKG02@6	Y405014-02	Soil	April 26, 2024 11:05	04/30/2024 15:39
BKG03@4	Y405014-03	Soil	April 26, 2024 11:10	04/30/2024 15:39
BKG03@6	Y405014-04	Soil	April 26, 2024 11:15	04/30/2024 15:39
BKG03@4	Y405014-05	Soil	April 26, 2024 11:20	04/30/2024 15:39
BKG03@6	Y405014-06	Soil	April 26, 2024 11:25	04/30/2024 15:39

Chain of Custody Modification Request

On 5/10/2024, Lindsey Blankenship from Entrada contacted Jordan Bynon via email regarding Y405014 requesting that Arsenic, Barium, and Selenium be added to all samples. Requested modifications to the chain of custody were made by Jordan Bynon on 5/10/2024.

Origins Laboratory, Inc.



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

Chelsea Veryer
 Project Number: [none]
 Project: Chevron - Bernhardt J31-33D



www.originslaboratory.com

Bill to Chevron
 "Dusty Smith"
 4405014

page 1 of 1

Client: Entrada Consulting Group
 Project Manager: Chelsea Veryer
 Project Name: Bernhardt J31-33D
 Project Number: _____
 Project Number: Nick Yourd
 Telephone Number: 417-337-5172
 Samples Collected By: Nick Yourd
 Email Address: Entrada.Distribution.CC@BUEUFZ7chevron.com

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

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis		Sample Instructions		
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summng #	Other	PH		Lead	
BK60264	4/2/24	1100	4	X				X							
BK60266		1105													
BK60364		1110													
BK60366		1115													
BK60464		1120													
BK60466		1125													
Relinquished By:		Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:	Turnaround Time:					
<i>[Signature]</i>	4/30/24	1539		<i>[Signature]</i>	4/30/24	1539				Same Day	48 Hr	Standard			
Relinquished By:		Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:	Turnaround Time:					
										24 Hr	72 Hr				

Temp Received: 20 Date Results Needed

Origins Laboratory, Inc.
[Signature]

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

Chelsea Veryter
 Project Number: [none]
 Project: Chevron - Bernhardt J31-33D

Origins Laboratory

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


Sample Receipt Checklist

Origins Work Order: 4405014 Client: Entrada
 Client Project ID: Bernhardt J31-33D
 Checklist Completed by: SA Shipped Via: _____
 Date/time completed: 4/30/24 (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, 20 °c _____ °c _____ °c (Describe)
 Thermometer ID: 1005

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is there ice present (document if blue ice is used)		<input checked="" type="checkbox"/>		
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by: JAS (Project Manager) Date/Time Reviewed: 5/2/24

Origins Laboratory, Inc.


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

Chelsea Veryter
 Project Number: [none]
 Project: Chevron - Bernhardt J31-33D

BKG02@4

4/26/2024 11:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.
 Y405014-01 (Soil)**

pH in Soil by 9045D

pH	8.19		pH Units	1	B4E0319	ACN	05/03/2024	05/05/2024	
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Table 915 metals by EPA 6020B

Arsenic	5.26	0.284	mg/kg	10	B4E0125	KMC	05/01/2024	05/06/2024	
Barium	243	9.81	"	"	"	KMC	"	"	
Lead	11.4	0.981	"	"	"	KMC	"	"	
Selenium	ND	0.255	"	"	"	KMC	"	"	

Origins Laboratory, Inc.



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

Chelsea Veryter
 Project Number: [none]
 Project: Chevron - Bernhardt J31-33D

BKG02@6

4/26/2024 11:05:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405014-02 (Soil)

pH in Soil by 9045D

pH	8.19		pH Units	1	B4E0319	ACN	05/03/2024	05/05/2024	
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Table 915 metals by EPA 6020B

Arsenic	5.47	0.270	mg/kg	10	B4E0125	KMC	05/01/2024	05/06/2024	
Barium	233	9.30	"	"	"	KMC	"	"	
Lead	11.9	0.930	"	"	"	KMC	"	"	
Selenium	ND	0.242	"	"	"	KMC	"	"	

Origins Laboratory, Inc.



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

Chelsea Veryter
 Project Number: [none]
 Project: Chevron - Bernhardt J31-33D

BKG03@4

4/26/2024 11:10:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405014-03 (Soil)

pH in Soil by 9045D

pH	8.31		pH Units	1	B4E0319	ACN	05/03/2024	05/05/2024	
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Table 915 metals by EPA 6020B

Arsenic	5.13	0.272	mg/kg	10	B4E0125	KMC	05/01/2024	05/06/2024	
Barium	216	9.38	"	"	"	KMC	"	"	
Lead	10.9	0.938	"	"	"	KMC	"	"	
Selenium	ND	0.244	"	"	"	KMC	"	"	

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

Chelsea Veryter
 Project Number: [none]
 Project: Chevron - Bernhardt J31-33D

BKG03@6

4/26/2024 11:15:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405014-04 (Soil)

pH in Soil by 9045D

pH	8.31		pH Units	1	B4E0319	ACN	05/03/2024	05/05/2024	
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Table 915 metals by EPA 6020B

Arsenic	5.36	0.274	mg/kg	10	B4E0125	KMC	05/01/2024	05/06/2024	
Barium	163	9.43	"	"	"	KMC	"	"	
Lead	10.6	0.943	"	"	"	KMC	"	"	
Selenium	ND	0.245	"	"	"	KMC	"	"	

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

Chelsea Veryter
 Project Number: [none]
 Project: Chevron - Bernhardt J31-33D

BKG03@4

4/26/2024 11:20:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405014-05 (Soil)

pH in Soil by 9045D

pH	8.24		pH Units	1	B4E0319	ACN	05/03/2024	05/05/2024	
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Table 915 metals by EPA 6020B

Arsenic	5.65	0.271	mg/kg	10	B4E0125	KMC	05/01/2024	05/06/2024	
Barium	228	9.36	"	"	"	KMC	"	"	
Lead	10.9	0.936	"	"	"	KMC	"	"	
Selenium	ND	0.243	"	"	"	KMC	"	"	

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

Chelsea Veryter
 Project Number: [none]
 Project: Chevron - Bernhardt J31-33D

BKG03@6

4/26/2024 11:25:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405014-06 (Soil)

pH in Soil by 9045D

pH	8.32		pH Units	1	B4E0319	ACN	05/03/2024	05/05/2024	
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Table 915 metals by EPA 6020B

Arsenic	5.23	0.270	mg/kg	10	B4E0125	KMC	05/01/2024	05/06/2024	
Barium	227	9.32	"	"	"	KMC	"	"	
Lead	10.6	0.932	"	"	"	KMC	"	"	
Selenium	ND	0.242	"	"	"	KMC	"	"	

Origins Laboratory, Inc.



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 330 Grand Ave. Unit C
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Chelsea Veryter
 Project Number: [none]
 Project: Chevron - Bernhardt J31-33D

Metals by EPA 6000/7000 Series Methods - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4E0125 - EPA 3050B										
Blank (B4E0125-BLK1)										
					Prepared: 05/01/2024 Analyzed: 05/06/2024					
Arsenic	ND	0.290	mg/kg							
Barium	ND	10.0	"							
Lead	ND	1.00	"							
Selenium	ND	0.260	"							
LCS (B4E0125-BS1)										
					Prepared: 05/01/2024 Analyzed: 05/06/2024					
Arsenic	5.24	0.290	mg/kg	5.00		105	80-120			
Barium	549	10.0	"	500		110	80-120			
Lead	5.23	1.00	"	5.00		105	80-120			
Selenium	9.48	0.260	"	9.50		99.8	80-120			
Matrix Spike (B4E0125-MS1)										
			Source: Y405011-01			Prepared: 05/01/2024 Analyzed: 05/06/2024				
Arsenic	6.20	0.270	mg/kg	4.66	1.69	96.8	75-125			
Barium	566	9.32	"	466	47.4	111	75-125			
Lead	8.93	0.932	"	4.66	4.79	89.0	75-125			
Selenium	9.06	0.242	"	8.86	ND	102	75-125			
Matrix Spike Dup (B4E0125-MSD1)										
			Source: Y405011-01			Prepared: 05/01/2024 Analyzed: 05/06/2024				
Arsenic	6.27	0.263	mg/kg	4.53	1.69	101	75-125	1.14	20	
Barium	584	9.06	"	453	47.4	118	75-125	2.99	20	
Lead	9.43	0.906	"	4.53	4.79	102	75-125	5.42	20	
Selenium	8.81	0.236	"	8.61	ND	102	75-125	2.79	20	

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Chelsea Veryter
 Project Number: [none]
 Project: Chevron - Bernhardt J31-33D

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4E0319 - Saturated Paste pH/EC

Duplicate (B4E0319-DUP1)

Source: Y404821-08

Prepared: 05/03/2024 Analyzed: 05/05/2024

pH	7.62		pH Units		7.64			0.262	25	
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330 Grand Ave. Unit C
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Chelsea Veryter
Project Number: [none]
Project: Chevron - Bernhardt J31-33D

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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