



On behalf of Enthalpy Analytical Amelia Jensen reissued report on 01/16/2025 12:58

Two Dot Consulting

Kyle Johnson

2200 West 29th Ave

Denver

CO

80211

January 16, 2025

Project Name - Chevron - Feuerstein 128-63-1HN

Project Number - 3301-102

Attached are your analytical results for Chevron - Feuerstein 128-63-1HN received by Origins Laboratory December 05, 2024. This project is associated with Origins project number E4L0223-01.

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



On behalf of Enthalpy Analytical Amelia Jensen reissued report on 01/16/2025 12:58

Two Dot Consulting

2200 West 29th Ave

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Kyle Johnson

Project Number: 3301-102

Project: Chevron - Feuerstein 128-63-1HN

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BKG01@3'	E4L0223-01	Soil	December 5, 2024 8:44	12/05/2024 17:25
BKG01@6'	E4L0223-02	Soil	December 5, 2024 8:57	12/05/2024 17:25
BKG02@3'	E4L0223-03	Soil	December 5, 2024 9:18	12/05/2024 17:25
BKG02@6'	E4L0223-04	Soil	December 5, 2024 9:30	12/05/2024 17:25
BKG03@3'	E4L0223-05	Soil	December 5, 2024 9:48	12/05/2024 17:25
BKG03@6'	E4L0223-06	Soil	December 5, 2024 10:01	12/05/2024 17:25

Origins Laboratory

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Jordan A. Bynon For Jen Pellegrini, Project Manager

ORIGINS LABORATORY

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Kyle Johnson

Project Number: 3301-102

Project: Chevron - Feuerstein 128-63-1HN

ORIGINS
LABORATORY

EU0223

Page 1 of 1

Client: Chevron

Project Manager: Kyle Johnson
kjoh@enthalpy.com

Address: 4400 Burlington Ave

Project Name: Feuerstein 128-63-1HN

Phone Number: 470-376-431

Project Number: 3301-102

Telephone Number: 470-376-431

Collected By: 2Dot Consulting

Email Address: RBJ@2dot.com

Invoice/Billing Info: Chevron

SW-Surface Water
WW-Moose Water
L-Liquid

S-Soil | SO=Solid | O=Oil | A=Air | G=Gas | U=Unlabeled | H=Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide

Sample ID	Date	Time	# of Containers	Matrix	Preservative	Full Table 9.15	10 Metals	Reclamation	Analysis	Comments
BK60103	12/05/24	8:44	2	Ice			X	X		
BK60101	12/05/24	8:57	1				X	X		
BK60203	12/05/24	9:18	1				X	X		
BK60206	12/05/24	9:24	1				X	X		
BK60303	12/05/24	9:48	1				X	X		
BK60306	12/05/24	10:01	1				X	X		

Temp Received: 2.1

Received On Ice? ☒ Yes ☐ No

☒ Standard

☐ 48 Hr ☐ 72

☐ SAME ☐ 24 Hr

☐ DAY

Origins Laboratory

Byron

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LABORATORY

On behalf of Enthalpy Analytical Amelia Jensen reissued report on 01/16/2025 12:58

Two Dot Consulting
2200 West 29th Ave
Denver CO 80211

Kyle Johnson
Project Number: 3301-102
Project: Chevron - Feuerstein 128-63-1HN

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: E4LO223

Client: 200t

Client Project ID: Feuerstein

Checklist Completed by: AJD/kme

Shipped Via: UPS

Date/Time completed: 2/6/24

(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 2.1 °C / °C / °C (Describe) °C

Thermometer ID: 1009

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 HNO ₃ , HCl, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +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 (Project Manager) AJD

12/9/24
Date/Time Reviewed

Origins Laboratory

J. Bynon

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Jordan A. Bynon For Jen Pellegrini, Project Manager



On behalf of Enthralpy Analytical Amelia Jensen reissued report on 01/16/2025 12:58

Two Dot Consulting

2200 West 29th Ave

Denver CO 80211

Kyle Johnson

Project Number: 3301-102

Project: Chevron - Feuerstein 128-63-1HN

BKG01@3'

12/5/2024 8:44:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory

E4L0223-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.483	0.101	mg/L	1	B4L0908	12/09/2024	12/11/2024
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Metals by Saturated Paste by EPA 6010

Calcium	0.970	0.499	meq/L	10	[CALC]	12/11/2024	12/13/2024
Magnesium	1.07	0.823	"	"	"	"	"
Sodium	2.11	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.43		pH Units	1	B4L1128	12/11/2024	12/12/2024
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SAR by 20B Saturated Paste

SAR	2.09	0.0100	SAR	1	B4L1108	12/11/2024	12/13/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.499	0.00500	mmhos/cm	1	B4L1128	12/11/2024	12/12/2024
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Table 915 metals by EPA 6020B

Arsenic	4.09	0.280	mg/kg	10	B4L0642	12/06/2024	12/10/2024
Barium	102	9.66	"	"	"	"	"
Cadmium	0.127	0.0966	"	"	"	"	"
Copper	ND	9.66	"	"	"	"	"

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Denver CO 80211

Kyle Johnson
Project Number: 3301-102
Project: Chevron - Feuerstein 128-63-1HN

BKG01@3'

12/5/2024 8:44:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory

E4L0223-01 (Soil)

Table 915 metals by EPA 6020B

Lead	6.71	0.966	mg/kg	10	B4L0642	12/06/2024	12/10/2024
Nickel	9.36	0.966	"	"	"	"	"
Selenium	ND	0.251	"	"	"	"	"
Silver	ND	0.0966	"	"	"	"	"
Zinc	ND	35.7	"	"	"	"	"

TOTAL METALS BY 7196A

Hexavalent Chromium	ND	0.165	0.412	mg/kg dry	1	2726778	01/03/2025	01/10/2025	U
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Origins Laboratory

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Jordan A. Bynon For Jen Pellegrini, Project Manager



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Two Dot Consulting

2200 West 29th Ave

Denver CO 80211

Kyle Johnson

Project Number: 3301-102

Project: Chevron - Feuerstein 128-63-1HN

BKG01@6'

12/5/2024 8:57:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory

E4L0223-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.475	0.0987	mg/L	1	B4L0908	12/09/2024	12/11/2024
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Metals by Saturated Paste by EPA 6010

Calcium	3.21	0.499	meq/L	10	[CALC]	12/11/2024	12/13/2024
Magnesium	3.21	0.823	"	"	"	"	"
Sodium	3.83	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.19		pH Units	1	B4L1128	12/11/2024	12/12/2024
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SAR by 20B Saturated Paste

SAR	2.14	0.0100	SAR	1	B4L1108	12/11/2024	12/13/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.15	0.00500	mmhos/cm	1	B4L1128	12/11/2024	12/12/2024
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Table 915 metals by EPA 6020B

Arsenic	4.18	0.285	mg/kg	10	B4L0642	12/06/2024	12/10/2024
Barium	118	9.83	"	"	"	"	"
Cadmium	0.164	0.0983	"	"	"	"	"
Copper	ND	9.83	"	"	"	"	"

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Kyle Johnson

Project Number: 3301-102

Project: Chevron - Feuerstein 128-63-1HN

BKG01@6'

12/5/2024 8:57:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory

E4L0223-02 (Soil)

Table 915 metals by EPA 6020B

Lead	8.29	0.983	mg/kg	10	B4L0642	12/06/2024	12/10/2024
Nickel	11.0	0.983	"	"	"	"	"
Selenium	ND	0.256	"	"	"	"	"
Silver	ND	0.0983	"	"	"	"	"
Zinc	37.2	36.4	"	"	"	"	"

TOTAL METALS BY 7196A

Hexavalent Chromium	ND	0.137	0.341	mg/kg dry	1	2726778	01/03/2025	01/10/2025	U
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Two Dot Consulting
2200 West 29th Ave
Denver CO 80211

Kyle Johnson
Project Number: 3301-102
Project: Chevron - Feuerstein 128-63-1HN

BKG02@3'

12/5/2024 9:18:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory

E4L0223-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.344	0.0997	mg/L	1	B4L0908	12/09/2024	12/11/2024
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Metals by Saturated Paste by EPA 6010

Calcium	2.18	0.499	meq/L	10	[CALC]	12/11/2024	12/13/2024
Magnesium	2.31	0.823	"	"	"	"	"
Sodium	2.47	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.24		pH Units	1	B4L1128	12/11/2024	12/12/2024
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SAR by 20B Saturated Paste

SAR	1.65	0.0100	SAR	1	B4L1108	12/11/2024	12/13/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.774	0.00500	mmhos/cm	1	B4L1128	12/11/2024	12/12/2024
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Table 915 metals by EPA 6020B

Arsenic	4.62	0.253	mg/kg	10	B4L0642	12/06/2024	12/10/2024
Barium	104	8.71	"	"	"	"	"
Cadmium	0.140	0.0871	"	"	"	"	"
Copper	ND	8.71	"	"	"	"	"

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Denver CO 80211

Kyle Johnson
Project Number: 3301-102
Project: Chevron - Feuerstein 128-63-1HN

BKG02@3'

12/5/2024 9:18:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory

E4L0223-03 (Soil)

Table 915 metals by EPA 6020B

Lead	7.04	0.871	mg/kg	10	B4L0642	12/06/2024	12/10/2024
Nickel	9.76	0.871	"	"	"	"	"
Selenium	ND	0.226	"	"	"	"	"
Silver	ND	0.0871	"	"	"	"	"
Zinc	ND	32.2	"	"	"	"	"

TOTAL METALS BY 7196A

Hexavalent Chromium	ND	0.148	0.369	mg/kg dry	1	2726778	01/03/2025	01/10/2025	U
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2200 West 29th Ave
Denver CO 80211

Kyle Johnson
Project Number: 3301-102
Project: Chevron - Feuerstein 128-63-1HN

BKG02@6'

12/5/2024 9:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory

E4L0223-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.387	0.101	mg/L	1	B4L0908	12/09/2024	12/11/2024
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Metals by Saturated Paste by EPA 6010

Calcium	1.41	0.499	meq/L	10	[CALC]	12/11/2024	12/13/2024
Magnesium	1.56	0.823	"	"	"	"	"
Sodium	2.29	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.36		pH Units	1	B4L1128	12/11/2024	12/12/2024
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SAR by 20B Saturated Paste

SAR	1.88	0.0100	SAR	1	B4L1108	12/11/2024	12/13/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.646	0.00500	mmhos/cm	1	B4L1128	12/11/2024	12/12/2024
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Table 915 metals by EPA 6020B

Arsenic	6.28	0.275	mg/kg	10	B4L0642	12/06/2024	12/10/2024
Barium	120	9.49	"	"	"	"	"
Cadmium	0.118	0.0949	"	"	"	"	"
Copper	ND	9.49	"	"	"	"	"

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Denver CO 80211

Kyle Johnson
Project Number: 3301-102
Project: Chevron - Feuerstein 128-63-1HN

BKG02@6'
12/5/2024 9:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4L0223-04 (Soil)

Table 915 metals by EPA 6020B

Lead	6.96	0.949	mg/kg	10	B4L0642	12/06/2024	12/10/2024	
Nickel	11.1	0.949	"	"	"	"	"	"
Selenium	ND	0.247	"	"	"	"	"	"
Silver	ND	0.0949	"	"	"	"	"	"
Zinc	ND	35.1	"	"	"	"	"	"

TOTAL METALS BY 7196A

Hexavalent Chromium	ND	0.164	0.410	mg/kg dry	1	2726778	01/03/2025	01/10/2025	U
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Denver CO 80211

Kyle Johnson
Project Number: 3301-102
Project: Chevron - Feuerstein 128-63-1HN

BKG03@3'

12/5/2024 9:48:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory

E4L0223-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.399	0.0986	mg/L	1	B4L0908	12/09/2024	12/11/2024
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Metals by Saturated Paste by EPA 6010

Calcium	1.42	0.499	meq/L	10	[CALC]	12/11/2024	12/13/2024
Magnesium	1.58	0.823	"	"	"	"	"
Sodium	3.42	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.37		pH Units	1	B4L1128	12/11/2024	12/12/2024
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SAR by 20B Saturated Paste

SAR	2.79	0.0100	SAR	1	B4L1108	12/11/2024	12/13/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.772	0.00500	mmhos/cm	1	B4L1128	12/11/2024	12/12/2024
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Table 915 metals by EPA 6020B

Arsenic	4.89	0.270	mg/kg	10	B4L0642	12/06/2024	12/10/2024
Barium	93.5	9.32	"	"	"	"	"
Cadmium	0.167	0.0932	"	"	"	"	"
Copper	ND	9.32	"	"	"	"	"

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Kyle Johnson
Project Number: 3301-102
Project: Chevron - Feuerstein 128-63-1HN

BKG03@3'

12/5/2024 9:48:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory

E4L0223-05 (Soil)

Table 915 metals by EPA 6020B

Lead	8.01	0.932	mg/kg	10	B4L0642	12/06/2024	12/10/2024
Nickel	11.3	0.932	"	"	"	"	"
Selenium	ND	0.242	"	"	"	"	"
Silver	ND	0.0932	"	"	"	"	"
Zinc	35.1	34.5	"	"	"	"	"

TOTAL METALS BY 7196A

Hexavalent Chromium	ND	0.164	0.411	mg/kg dry	1	2726778	01/03/2025	01/10/2025	U
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2200 West 29th Ave

Denver CO 80211

Kyle Johnson

Project Number: 3301-102

Project: Chevron - Feuerstein 128-63-1HN

BKG03@6'

12/5/2024 10:01:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory

E4L0223-06 (Soil)

Boron (DTPA Sorbitol)

Boron	0.377	0.0997	mg/L	1	B4L0908	12/09/2024	12/11/2024
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Metals by Saturated Paste by EPA 6010

Calcium	1.41	0.499	meq/L	10	[CALC]	12/11/2024	12/13/2024
Magnesium	1.34	0.823	"	"	"	"	"
Sodium	2.58	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.38		pH Units	1	B4L1128	12/11/2024	12/12/2024
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SAR by 20B Saturated Paste

SAR	2.20	0.0100	SAR	1	B4L1108	12/11/2024	12/13/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.629	0.00500	mmhos/cm	1	B4L1128	12/11/2024	12/12/2024
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Table 915 metals by EPA 6020B

Arsenic	3.90	0.272	mg/kg	10	B4L0642	12/06/2024	12/10/2024
Barium	77.9	9.39	"	"	"	"	"
Cadmium	ND	0.0939	"	"	"	"	"
Copper	ND	9.39	"	"	"	"	"

Origins Laboratory

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Two Dot Consulting
2200 West 29th Ave
Denver CO 80211

Kyle Johnson
Project Number: 3301-102
Project: Chevron - Feuerstein 128-63-1HN

BKG03@6'

12/5/2024 10:01:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory

E4L0223-06 (Soil)

Table 915 metals by EPA 6020B

Lead	5.00	0.939	mg/kg	10	B4L0642	12/06/2024	12/10/2024
Nickel	10.2	0.939	"	"	"	"	"
Selenium	ND	0.244	"	"	"	"	"
Silver	ND	0.0939	"	"	"	"	"
Zinc	ND	34.7	"	"	"	"	"

TOTAL METALS BY 7196A

Hexavalent Chromium	ND	0.125	0.311	mg/kg dry	1	2726778	01/03/2025	01/10/2025	U
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Two Dot Consulting

2200 West 29th Ave

Denver CO 80211

Kyle Johnson

Project Number: 3301-102

Project: Chevron - Feuerstein 128-63-1HN

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 B4L0642 - EPA 3050B

Blank (B4L0642-BLK1)

Prepared: 12/06/2024 Analyzed: 12/10/2024

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 (B4L0642-BS1)

Prepared: 12/06/2024 Analyzed: 12/10/2024

Arsenic	4.71	0.290	mg/kg	5.00	94.2	80-120
Barium	480	10.0	"	500	96.0	80-120
Cadmium	5.01	0.100	"	5.00	100	80-120
Copper	53.8	10.0	"	50.0	108	80-120
Lead	4.90	1.00	"	5.00	98.1	80-120
Nickel	4.99	1.00	"	5.00	99.7	80-120
Selenium	4.90	0.260	"	5.00	98.1	80-120
Silver	5.15	0.100	"	5.00	103	80-120
Zinc	47.2	37.0	"	50.0	94.4	80-120

Matrix Spike (B4L0642-MS1)

Source: E4L0223-06

Prepared: 12/06/2024 Analyzed: 12/10/2024

Arsenic	7.35	0.277	mg/kg	4.77	3.90	72.3	75-125	QM-07
Barium	575	9.54	"	477	77.9	104	75-125	
Cadmium	5.04	0.0954	"	4.77	0.0892	104	75-125	
Copper	54.4	9.54	"	47.7	6.41	101	75-125	
Lead	9.59	0.954	"	4.77	5.00	96.3	75-125	

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Denver CO 80211

Kyle Johnson
Project Number: 3301-102
Project: Chevron - Feuerstein 128-63-1HN

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 B4L0642 - EPA 3050B

Matrix Spike (B4L0642-MS1)

Source: E4L0223-06

Prepared: 12/06/2024 Analyzed: 12/10/2024

Nickel	14.9	0.954	mg/kg	4.77	10.2	96.9	75-125			
Selenium	4.56	0.248	"	4.77	0.0591	94.4	75-125			
Silver	5.04	0.0954	"	4.77	0.0225	105	75-125			
Zinc	64.3	35.3	"	47.7	22.9	86.9	75-125			

Matrix Spike Dup (B4L0642-MSD1)

Source: E4L0223-06

Prepared: 12/06/2024 Analyzed: 12/10/2024

Arsenic	6.99	0.272	mg/kg	4.68	3.90	65.9	75-125	5.03	20	QM-07
Barium	569	9.37	"	468	77.9	105	75-125	1.09	20	
Cadmium	4.96	0.0937	"	4.68	0.0892	104	75-125	1.53	20	
Copper	52.9	9.37	"	46.8	6.41	99.3	75-125	2.75	20	
Lead	9.42	0.937	"	4.68	5.00	94.5	75-125	1.72	20	
Nickel	13.4	0.937	"	4.68	10.2	68.2	75-125	10.1	20	QM-07
Selenium	4.52	0.244	"	4.68	0.0591	95.3	75-125	0.818	20	
Silver	5.03	0.0937	"	4.68	0.0225	107	75-125	0.199	20	
Zinc	61.6	34.7	"	46.8	22.9	82.8	75-125	4.28	20	

Origins Laboratory

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On behalf of Enthalpy Analytical Amelia Jensen reissued report on 01/16/2025 12:58

Two Dot Consulting
2200 West 29th Ave
Denver CO 80211

Kyle Johnson
Project Number: 3301-102
Project: Chevron - Feuerstein 128-63-1HN

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 B4L0908 - DTPA Sorbitol Preparation

Blank (B4L0908-BLK1)

Prepared: 12/09/2024 Analyzed: 12/11/2024

Boron ND 0.100 mg/L

Duplicate (B4L0908-DUP1)

Source: E4L0216-06

Prepared: 12/09/2024 Analyzed: 12/11/2024

Boron 0.336 0.0995 mg/L 0.334 0.734 50

Batch B4L1108 - Saturated Paste Metals

Blank (B4L1108-BLK1)

Prepared: 12/11/2024 Analyzed: 12/13/2024

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 (B4L1108-DUP1)

Source: E4L0216-05

Prepared: 12/11/2024 Analyzed: 12/13/2024

Calcium PPM 50.5 10.0 mg/L 31.4 46.5 50

SAR ND 0.0100 SAR 27.5 200

Magnesium PPM 33.8 10.0 mg/L 22.2 41.6 50

Sodium PPM 965 10.0 " 822 15.9 50

Origins Laboratory

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On behalf of Enthalpy Analytical Amelia Jensen reissued report on 01/16/2025 12:58

Two Dot Consulting
2200 West 29th Ave
Denver CO 80211

Kyle Johnson
Project Number: 3301-102
Project: Chevron - Feuerstein 128-63-1HN

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 B4L1128 - Saturated Paste pH/EC

Blank (B4L1128-BLK1)

Prepared: 12/11/2024 Analyzed: 12/12/2024

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B4L1128-DUP1)

Source: E4L0216-05

Prepared: 12/11/2024 Analyzed: 12/12/2024

pH	8.28		pH Units	8.37		1.08	25
Specific Conductance (EC)	4.88	0.00500	mmhos/cm	4.35		11.6	25

Origins Laboratory

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On behalf of Enthalpy Analytical Amelia Jensen reissued report on 01/16/2025 12:58

Two Dot Consulting
2200 West 29th Ave
Denver CO 80211

Kyle Johnson
Project Number: 3301-102
Project: Chevron - Feuerstein 128-63-1HN

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
Batch 2726778 - SW846 3060A										
BLANK (1205962154-BLK)					Prepared: 01/03/2025 Analyzed: 01/10/2025					
Hexavalent Chromium	ND	0.262	mg/kg				-			U
LCS (1205962155-BKS)					Prepared: 01/03/2025 Analyzed: 01/10/2025					
Hexavalent Chromium	3.27	0.325	mg/kg	3.25		101	80-120			
DUP (1205962156 D)					Source: E4L0223-01 Prepared: 01/03/2025 Analyzed: 01/10/2025					
Hexavalent Chromium	ND	0.414	mg/kg dry		<0.166		0-50	N/A	50	U
MS (1205962157 S)					Source: E4L0223-01 Prepared: 01/03/2025 Analyzed: 01/10/2025					
Hexavalent Chromium	2.93	0.414	mg/kg dry	4.14	<0.166	69.7	75-125			
DUP (1205962158 D)					Source: E4L0223-02 Prepared: 01/03/2025 Analyzed: 01/10/2025					
Hexavalent Chromium	ND	0.343	mg/kg dry		<0.137		0-50	N/A	50	U
MS (1205962159 S)					Source: E4L0223-02 Prepared: 01/03/2025 Analyzed: 01/10/2025					
Hexavalent Chromium	2.81	0.344	mg/kg dry	3.44	<0.137	80.7	75-125			
ILCS (1205962160-ILCS)					Prepared: 01/03/2025 Analyzed: 01/10/2025					
Hexavalent Chromium	6.40	0.300	mg/kg	6.03		106	80-120			

Origins Laboratory

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Two Dot Consulting
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Denver CO 80211

Kyle Johnson
Project Number: 3301-102
Project: Chevron - Feuerstein 128-63-1HN

Notes and Definitions

- 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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