



Two Dot Consulting

Kyle Johnson

2200 West 29th Ave

Denver

CO

80211

August 28, 2025

Project Name - Chevron - Lucci BCB 01-09

Project Number - 3301-102

Attached are your analytical results for Chevron - Lucci BCB 01-09 received by Origins Laboratory July 25, 2025. This project is associated with Origins project number E5G0537-01.

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



Two Dot Consulting
2200 West 29th Ave
Denver CO 80211

Kyle Johnson
Project Number: 3301-102
Project: Chevron - Lucci BCB 01-09

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BKG01@4'	E5G0537-01	Soil	July 25, 2025 8:36	07/25/2025 17:03
BKG01@6'	E5G0537-02	Soil	July 25, 2025 8:49	07/25/2025 17:03
BKG02@4'	E5G0537-03	Soil	July 25, 2025 8:56	07/25/2025 17:03
BKG02@6'	E5G0537-04	Soil	July 25, 2025 9:00	07/25/2025 17:03
BKG03@4'	E5G0537-05	Soil	July 25, 2025 9:09	07/25/2025 17:03
BKG03@6'	E5G0537-06	Soil	July 25, 2025 9:13	07/25/2025 17:03

This supplemental report is being reissued to provide revised 6020 metals data for samples **E5G0537-04, -05, -06**. This sample batch was found to have an incorrect dilution added which caused results to be elevated. This revised report includes the data with the corrected dilution. KDK

Origins Laboratory

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ORIGINS LABORATORY

Two Dot Consulting
 2200 West 29th Ave
 Denver CO 80211

Kyle Johnson
 Project Number: 3301-102
 Project: Chevron - Lucci BCB 01-09

ORIGINS

11111111

Page 1 of 1

Client: Chevron
 Address: 4000 Burlington Ave
 Evans, CO 80620
 Project Manager: Kyle Johnson
 2Dot Email Distribution list
 Project Name: Lucci BCB 01-09
 Project Number: 3301-102
 Collected By: 2Dot Consulting
 Invoice/Billing Info: Chevron
 Telephone Number: 470-316-7431
 Email Address: RBUEJF7@chevron.com
 Invoiced Billing Info: Chevron
 Key: #1=Water #2=Groundwater #3=Surface Water #4=Irrigate Water #5=Liquid

Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix Preservative	Full Table 9.15		Comments
					10 Metals	Reclamation	
BK001@4	7/15/15	8:36am	2	Ice	X	X	
BK001@6	8/19/15	8:49am	2	Ice	X	X	
BK002@4	8/26/15	8:56am	2	Ice	X	X	
BK002@6	9/02/15	9:02am	2	Ice	X	X	
BK003@4	9/09/15	9:09am	2	Ice	X	X	
BK003@6	9/15/15	9:15am	2	Ice	X	X	

Temp Received: 3.3°C Received On Ice? Yes No

Reinstigated By: Sam Wilson
 Date: 7/15/15
 Time: 12:07pm
 Received By: [Signature]
 Date: 7/15/15
 Time: 1:53pm
 Turnaround Time: SAME DAY 24 Hr

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Two Dot Consulting
2200 West 29th Ave
Denver CO 80211

Kyle Johnson
Project Number: 3301-102
Project: Chevron - Lucci BCB 01-09

Origins Laboratory

F-012207-01-R1

Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: ESG0537

Client: TWO DOT

Client Project ID: LUCCI BCB 01-09

Checklist Completed by: NKM/NKM

Shipped Via: HD

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

Date/time completed: 07/28/25

Airbill #: N/A

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

Water

Other:

Cooler Number/Temperature: 1 / 3.3 °C

(Describe)

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)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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"/>	<input type="checkbox"/>	<input 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"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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"/>	<input type="checkbox"/>	<input 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 subsampled 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)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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)

07/29/25
Date/Time Reviewed

Origins Laboratory



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Kayla Kenyon, Project Manager



Two Dot Consulting
 2200 West 29th Ave
 Denver CO 80211

Kyle Johnson
 Project Number: 3301-102
 Project: Chevron - Lucci BCB 01-09

BKG01@4'

7/25/2025 8:36:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5G0537-01 (Soil)									
Enthalpy Analytical									
Total Metals by SW7199									
Chromium, Hexavalent	ND	0.08	0.19	mg/kg	1	BIG1569	07/31/2025	07/31/2025	
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	1.77		0.0999	mg/L	1	B5G2528	07/25/2025	07/29/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	19.5		0.499	meq/L	10	[CALC]	07/25/2025	07/29/2025	
Magnesium	32.6		0.823	"	"	"	"	"	
Sodium	150		4.35	"	100	"	"	07/30/2025	
pH in Soil by 9045D									
pH	7.85			pH Units	1	B5G2531	07/25/2025	07/29/2025	
SAR by 20B Saturated Paste									
SAR	29.4		0.0100	SAR	1	B5G2525	07/25/2025	07/29/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	13.8		0.00500	mmhos/cm	1	B5G2531	07/25/2025	07/29/2025	

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7/25/2025 8:36:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5G0537-01 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	3.97		0.266	mg/kg wet	10	B5G2903	07/29/2025	07/30/2025	
Barium	181		75.2	"	"	"	"	"	
Cadmium	ND		0.349	"	"	"	"	"	U
Copper	ND		42.2	"	"	"	"	"	U
Lead	ND		12.8	"	"	"	"	"	U
Nickel	ND		23.8	"	"	"	"	"	U
Selenium	0.303		0.238	"	"	"	"	"	
Silver	ND		0.734	"	"	"	"	"	U
Zinc	ND		339	"	"	"	"	"	U

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Kayla Kenyon, Project Manager



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 2200 West 29th Ave
 Denver CO 80211

Kyle Johnson
 Project Number: 3301-102
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BKG01@6'

7/25/2025 8:49:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5G0537-02 (Soil)									
Enthalpy Analytical									
Total Metals by SW7199									
Chromium, Hexavalent	ND	0.08	0.20	mg/kg	1	BIG1569	07/31/2025	07/31/2025	
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.481		0.100	mg/L	1	B5G2528	07/25/2025	07/29/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	16.8		0.499	meq/L	10	[CALC]	07/25/2025	07/29/2025	
Magnesium	16.3		0.823	"	"	"	"	"	
Sodium	71.7		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	7.78			pH Units	1	B5G2531	07/25/2025	07/29/2025	
SAR by 20B Saturated Paste									
SAR	17.6		0.0100	SAR	1	B5G2525	07/25/2025	07/29/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	8.15		0.00500	mmhos/cm	1	B5G2531	07/25/2025	07/29/2025	

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 Denver CO 80211

Kyle Johnson
 Project Number: 3301-102
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BKG01@6'

7/25/2025 8:49:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5G0537-02 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	2.57		0.257	mg/kg wet	10	B5G2903	07/29/2025	07/30/2025	
Barium	157		72.7	"	"	"	"	"	
Cadmium	ND		0.337	"	"	"	"	"	U
Copper	ND		40.8	"	"	"	"	"	U
Lead	ND		12.4	"	"	"	"	"	U
Nickel	ND		23.1	"	"	"	"	"	U
Selenium	0.453		0.231	"	"	"	"	"	
Silver	ND		0.709	"	"	"	"	"	U
Zinc	ND		328	"	"	"	"	"	U

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BKG02@4'

7/25/2025 8:56:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5G0537-03 (Soil)									
Enthalpy Analytical									
Total Metals by SW7199									
Chromium, Hexavalent	ND	0.08	0.19	mg/kg	1	BIG1569	07/31/2025	07/31/2025	
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.215		0.100	mg/L	1	B5G2528	07/25/2025	07/29/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	0.629		0.499	meq/L	10	[CALC]	07/25/2025	07/29/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	1.59		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.39			pH Units	1	B5G2531	07/25/2025	07/29/2025	
SAR by 20B Saturated Paste									
SAR	2.33		0.0100	SAR	1	B5G2525	07/25/2025	07/29/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.302		0.00500	mmhos/cm	1	B5G2531	07/25/2025	07/29/2025	

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 Denver CO 80211

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 Project Number: 3301-102
 Project: Chevron - Lucci BCB 01-09

BKG02@4'

7/25/2025 8:56:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5G0537-03 (Soil)									
Origins Laboratory									
Table 915 metals by EPA 6020B									
Arsenic	2.68		0.263	mg/kg wet	10	B5G2903	07/29/2025	07/30/2025	
Barium	ND		74.3	"	"	"	"	"	U
Cadmium	ND		0.344	"	"	"	"	"	U
Copper	ND		41.7	"	"	"	"	"	U
Lead	ND		12.7	"	"	"	"	"	U
Nickel	ND		23.6	"	"	"	"	"	U
Selenium	ND		0.236	"	"	"	"	"	U
Silver	ND		0.725	"	"	"	"	"	U
Zinc	ND		335	"	"	"	"	"	U

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Kayla Kenyon, Project Manager



Two Dot Consulting
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 Denver CO 80211

Kyle Johnson
 Project Number: 3301-102
 Project: Chevron - Lucci BCB 01-09

BKG0206'

7/25/2025 9:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5G0537-04 (Soil)									
Enthalpy Analytical									
Total Metals by SW7199									
Chromium, Hexavalent	ND	0.08	0.20	mg/kg	1	BIG1569	07/31/2025	07/31/2025	
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.433		0.100	mg/L	1	B5G2528	07/25/2025	07/29/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	1.84		0.499	meq/L	10	[CALC]	07/25/2025	07/29/2025	
Magnesium	1.17		0.823	"	"	"	"	"	
Sodium	4.92		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.20			pH Units	1	B5G2531	07/25/2025	07/29/2025	
SAR by 20B Saturated Paste									
SAR	4.01		0.0100	SAR	1	B5G2525	07/25/2025	07/29/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	1.00		0.00500	mmhos/cm	1	B5G2531	07/25/2025	07/29/2025	

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Two Dot Consulting
 2200 West 29th Ave
 Denver CO 80211

Kyle Johnson
 Project Number: 3301-102
 Project: Chevron - Lucci BCB 01-09

BKG0206'

7/25/2025 9:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5G0537-04 (Soil)									
Origins Laboratory									
Table 915 metals by EPA 6020B									
Arsenic	2.32		0.266	mg/kg wet	10	B5G2903	07/29/2025	07/30/2025	
Barium	ND		75.3	"	"	"	"	"	U
Cadmium	ND		0.349	"	"	"	"	"	U
Copper	ND		42.2	"	"	"	"	"	U
Lead	ND		12.9	"	"	"	"	"	U
Nickel	ND		23.9	"	"	"	"	"	U
Selenium	ND		0.239	"	"	"	"	"	U
Silver	ND		0.734	"	"	"	"	"	U
Zinc	ND		340	"	"	"	"	"	U

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Kayla Kenyon, Project Manager



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 2200 West 29th Ave
 Denver CO 80211

Kyle Johnson
 Project Number: 3301-102
 Project: Chevron - Lucci BCB 01-09

BKG03@4'

7/25/2025 9:09:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5G0537-05 (Soil)
 Enthalpy Analytical**

Total Metals by SW7199

Chromium, Hexavalent	ND	0.08	0.20	mg/kg	1	BIG1569	07/31/2025	07/31/2025	
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Boron (DTPA Sorbitol)

Boron	0.510		0.100	mg/L	1	B5G2528	07/25/2025	07/29/2025	
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Metals by Saturated Paste by EPA 6010

Calcium	0.729		0.499	meq/L	10	[CALC]	07/25/2025	07/29/2025	
Magnesium	1.02		0.823	"	"	"	"	"	
Sodium	3.76		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.44			pH Units	1	B5G2531	07/25/2025	07/29/2025	
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SAR by 20B Saturated Paste

SAR	4.01		0.0100	SAR	1	B5G2525	07/25/2025	07/29/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.672		0.00500	mmhos/cm	1	B5G2531	07/25/2025	07/29/2025	
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 Denver CO 80211

Kyle Johnson
 Project Number: 3301-102
 Project: Chevron - Lucci BCB 01-09

BKG03@4'

7/25/2025 9:09:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5G0537-05 (Soil)									
Origins Laboratory									
Table 915 metals by EPA 6020B									
Arsenic	2.96		0.262	mg/kg wet	10	B5G2903	07/29/2025	07/30/2025	
Barium	249		74.0	"	"	"	"	"	
Cadmium	ND		0.343	"	"	"	"	"	U
Copper	ND		41.5	"	"	"	"	"	U
Lead	ND		12.6	"	"	"	"	"	U
Nickel	ND		23.5	"	"	"	"	"	U
Selenium	ND		0.235	"	"	"	"	"	U
Silver	ND		0.722	"	"	"	"	"	U
Zinc	ND		334	"	"	"	"	"	U

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Kayla Kenyon, Project Manager



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 Denver CO 80211

Kyle Johnson
 Project Number: 3301-102
 Project: Chevron - Lucci BCB 01-09

BKG03@6'

7/25/2025 9:13:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5G0537-06 (Soil)									
Enthalpy Analytical									
Total Metals by SW7199									
Chromium, Hexavalent	ND	0.08	0.20	mg/kg	1	BIG1569	07/31/2025	07/31/2025	
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.798		0.100	mg/L	1	B5G2528	07/25/2025	07/29/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	2.38		0.499	meq/L	10	[CALC]	07/25/2025	07/29/2025	
Magnesium	6.04		0.823	"	"	"	"	"	
Sodium	30.1		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.37			pH Units	1	B5G2531	07/25/2025	07/29/2025	
SAR by 20B Saturated Paste									
SAR	14.7		0.0100	SAR	1	B5G2525	07/25/2025	07/29/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	3.95		0.00500	mmhos/cm	1	B5G2531	07/25/2025	07/29/2025	

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Two Dot Consulting
2200 West 29th Ave
Denver CO 80211

Kyle Johnson
Project Number: 3301-102
Project: Chevron - Lucci BCB 01-09

BKG03@6'

7/25/2025 9:13:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5G0537-06 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	13.2		0.252	mg/kg wet	10	B5G2903	07/29/2025	07/30/2025	
Barium	80.7		71.3	"	"	"	"	"	
Cadmium	ND		0.330	"	"	"	"	"	U
Copper	ND		40.0	"	"	"	"	"	U
Lead	ND		12.2	"	"	"	"	"	U
Nickel	ND		22.6	"	"	"	"	"	U
Selenium	ND		0.226	"	"	"	"	"	U
Silver	ND		0.695	"	"	"	"	"	U
Zinc	ND		322	"	"	"	"	"	U

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 2200 West 29th Ave
 Denver CO 80211

Kyle Johnson
 Project Number: 3301-102
 Project: Chevron - Lucci BCB 01-09

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 B5G2525 - Saturated Paste Metals

Blank (B5G2525-BLK1)

Prepared: 07/25/2025 Analyzed: 07/29/2025

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 (B5G2525-DUP1)

Source: E5G0532-16

Prepared: 07/25/2025 Analyzed: 07/29/2025

SAR	ND	0.0100	SAR	0.389				200		U
Calcium PPM	28.2	10.0	mg/L	24.3				14.6	50	
Magnesium PPM	6.98	10.0	"	5.98				15.4	50	U
Sodium PPM	7.82	10.0	"	8.26				5.47	50	U

Batch B5G2528 - DTPA Sorbitol Preparation

Duplicate (B5G2528-DUP1)

Source: E5G0532-18

Prepared: 07/25/2025 Analyzed: 07/29/2025

Boron	0.162	0.100	mg/L	0.157				3.06	50	
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Kayla Kenyon, Project Manager



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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 B5G2903 - EPA 3050B

Blank (B5G2903-BLK1)

Prepared: 07/29/2025 Analyzed: 07/30/2025

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

LCS (B5G2903-BS1)

Prepared: 07/29/2025 Analyzed: 08/01/2025

Arsenic	5.25	0.290	mg/kg wet	5.00		105	80-120			
Barium	530	82.0	"	500		106	80-120			
Cadmium	5.26	0.380	"	5.00		105	80-120			
Copper	52.2	46.0	"	50.0		104	80-120			
Lead	5.29	14.0	"	5.00		106	80-120			U
Nickel	5.36	26.0	"	5.00		107	80-120			U
Selenium	5.34	0.260	"	5.00		107	80-120			
Silver	5.16	0.800	"	5.00		103	80-120			
Zinc	51.8	370	"	50.0		104	80-120			U

Matrix Spike (B5G2903-MS1)

Source: E5G0537-01

Prepared: 07/29/2025 Analyzed: 07/30/2025

Arsenic	9.41	0.262	mg/kg wet	4.52	3.97	121	75-125			
Barium	704	74.1	"	452	181	116	75-125			
Cadmium	5.62	0.344	"	4.52	0.209	120	75-125			
Copper	58.9	41.6	"	45.2	9.30	110	75-125			
Lead	13.3	12.7	"	4.52	8.61	103	75-125			

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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 B5G2903 - EPA 3050B

Matrix Spike (B5G2903-MS1)

Source: E5G0537-01

Prepared: 07/29/2025 Analyzed: 07/30/2025

Nickel	14.3	23.5	mg/kg wet	4.52	8.13	137	75-125			QM-07, U
Selenium	5.30	0.235	"	4.52	0.303	110	75-125			
Silver	5.43	0.723	"	4.52	0.0339	119	75-125			
Zinc	84.6	335	"	45.2	38.4	102	75-125			U

Matrix Spike Dup (B5G2903-MSD1)

Source: E5G0537-01

Prepared: 07/29/2025 Analyzed: 07/30/2025

Arsenic	8.62	0.261	mg/kg wet	4.50	3.97	104	75-125	8.80	20	
Barium	695	73.7	"	450	181	114	75-125	1.37	20	
Cadmium	5.63	0.342	"	4.50	0.209	121	75-125	0.226	20	
Copper	56.5	41.4	"	45.0	9.30	105	75-125	4.13	20	
Lead	12.8	12.6	"	4.50	8.61	93.3	75-125	3.50	20	
Nickel	13.3	23.4	"	4.50	8.13	116	75-125	7.07	20	U
Selenium	5.04	0.234	"	4.50	0.303	105	75-125	4.94	20	
Silver	5.49	0.719	"	4.50	0.0339	121	75-125	1.08	20	
Zinc	78.0	333	"	45.0	38.4	88.0	75-125	8.14	20	U

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Kayla Kenyon, Project Manager



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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 B5G2531 - Saturated Paste pH/EC

Blank (B5G2531-BLK1)

Prepared: 07/25/2025 Analyzed: 07/29/2025

Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
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Duplicate (B5G2531-DUP1)

Source: E5G0532-16

Prepared: 07/25/2025 Analyzed: 07/29/2025

Specific Conductance (EC)	0.300	0.00500	mmhos/cm		0.265			12.4	25	
pH	7.64		pH Units		7.61			0.393	25	

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 Project Number: 3301-102
 Project: Chevron - Lucci BCB 01-09

Total Metals by SW7199 - Quality Control
Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BIG1569 - No Prep IC-WET										
Blank (BIG1569-BLK1)										
					Prepared: 07/31/2025 Analyzed: 07/31/2025					
Chromium, Hexavalent	ND	0.21	mg/kg							
LCS (BIG1569-BS1)										
					Prepared: 07/31/2025 Analyzed: 07/31/2025					
Chromium, Hexavalent	1.93	0.20	mg/kg	1.96		98.2	80-120			
Matrix Spike (BIG1569-MS1)										
					Source: 25G3036-01					
					Prepared: 07/31/2025 Analyzed: 07/31/2025					
Chromium, Hexavalent	1.93	0.20	mg/kg	2.01	ND	95.8	75-125			
Matrix Spike Dup (BIG1569-MSD1)										
					Source: 25G3036-01					
					Prepared: 07/31/2025 Analyzed: 07/31/2025					
Chromium, Hexavalent	1.86	0.20	mg/kg	1.97	ND	94.7	75-125	3.50	20	

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Kayla Kenyon, Project Manager



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Kyle Johnson

Project Number: 3301-102

Project: Chevron - Lucci BCB 01-09

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.

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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