



CDH Consulting
David Stainback
9446 Clermont St

January 05, 2026

Thornton CO 80229

Project Name - Chevron - Lucci B01-23 WH

Project Number - [none]

Attached are your analytical results for Chevron - Lucci B01-23 WH received by Origins Laboratory December 10, 2025. This project is associated with Origins project number E5L0270-01.

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.

The laboratory is TNI accredited by the Utah DHHS ELAP under certificate number CO010822024.

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





CDH Consulting
9446 Clermont St
Thornton CO 80229

David Stainback
Project Number: [none]
Project: Chevron - Lucci B01-23 WH

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BKG04@5.5'	E5L0270-01	Soil	December 10, 2025 11:07	12/10/2025 17:15
BKG05@5.5'	E5L0270-02	Soil	December 10, 2025 11:15	12/10/2025 17:15
BKG06@5.5'	E5L0270-03	Soil	December 10, 2025 11:22	12/10/2025 17:15
BKG04-GW	E5L0270-04	Water	December 10, 2025 11:52	12/10/2025 17:15
BKG05-GW	E5L0270-05	Water	December 10, 2025 12:01	12/10/2025 17:15
BKG06-GW	E5L0270-06	Water	December 10, 2025 12:08	12/10/2025 17:15
GW01	E5L0270-07	Water	December 10, 2025 12:21	12/10/2025 17:15

Origins Laboratory

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Client: CDH Consulting

Project Manager: David Stainback

Key:

Address: _____

Project Name: LUCCI B01-23 WH

W=Water

Telephone Number: _____

Project Number: _____

GW=Groundwater

Email Address: _____

dstainback@cdhconsult.com

Collected By: ES, NI

SW=Surface Water

Invoice/Billing Info: _____

REM # 36710
Erica Zuniga - Christy's WGR

WW=Waste Water
MSO/KG-EXP
L=Liquid

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

#	Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix	Preservative	Analysis						Comments			
							PH	EC	SAR	Boron	TDS Meth	TDS		Chloride sulfate	Full 1st 915	
1	BK604@55'	12/10/25	1107	3	S	UNP	X	X	X	X						
2	BK605@55'		1115	3	S		X	X	X	X						
3	BK606@55'		1122	3	S		X	X	X	X						
4	BK604-GW		1152	1	GW					X	X					
5	BK605-GW		1201	1	GW					X	X					
6	BK606-GW		1208	1	GW					X	X					
7	GW01		1221	4	GW	MC						X				3 HCl preserved / unpreserved
8																
9																
10																

Relinquished By: _____

Date: 12/10/25

Time: 15:55

Received By: Paula...

Date: 12/10/25

Time: 16:00

Relinquished By: _____

Date: 12/10/25

Time: 17:15

Received By: NKM

Date: 12/10/25

Time: 17:15

Turnaround Time
 SAME DAY
 24 Hr
 48 Hr
 72

Standard

Temp Received - 0.1°C

Received On Ice? Yes No

Sample Receipt Checklist

Origins Work Order: ESL0270

Client: CDH

Client Project ID: Lucci B01-23

Checklist Completed by: GMC/NKM

Shipped Via: HD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 12/11/25

Airbill #: N/A

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

Cooler Number/Temperature: 110.1 °C 1 °C 1 °C 1 °C (Describe)

Thermometer ID: T004

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 NaAsO ₂ +NaOH, ZnAc+NaOH)	/			NC
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.

Jacob At...
Reviewed by (Project Manager)

12/12/25
Date/Time Reviewed



CDH Consulting
 9446 Clermont St
 Thornton CO 80229

David Stainback
 Project Number: [none]
 Project: Chevron - Lucci B01-23 WH

BKG04@5.5'

12/10/2025 11:07:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5L0270-01 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
(DTPA Sorbitol) Boron	ND		0.114	mg/L dry	1	5L11087	12/11/2025	12/16/2025	U
Metals by Saturated Paste by EPA 6010									
Calcium	2.35		0.499	meq/L	10	[CALC]	12/11/2025	12/16/2025	
Magnesium	1.39		0.823	"	"	"	"	"	
Sodium	5.37		0.435	"	"	"	"	"	
Percent Solids									
Total Solids, Percent	89.3			mass percent	1	5L11079	12/11/2025	12/11/2025	
pH in Soil by 9045D									
pH	8.23			pH Units	1	5L11107	12/11/2025	12/16/2025	
SAR by 20B Saturated Paste									
SAR	3.93		0.0100	SAR	1	5L11097	"	12/16/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.994		0.00500	mmhos/cm	1	5L11107	"	12/16/2025	

Origins Laboratory

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BKG04@5.5'

12/10/2025 11:07:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5L0270-01 (Soil)
 Origins Laboratory**

Table 915 metals by EPA 6020B

Arsenic	16.4		0.226	mg/kg dry	10	5L11055	12/11/2025	12/12/2025	
Barium	94.8		63.8	"	"	"	"	"	
Cadmium	ND		0.295	"	"	"	"	"	U
Copper	ND		35.8	"	"	"	"	"	U
Lead	ND		10.9	"	"	"	"	"	U
Nickel	ND		20.2	"	"	"	"	"	U
Selenium	ND		0.191	"	"	"	"	"	U
Silver	ND		0.622	"	"	"	"	"	U
Zinc	ND		288	"	"	"	"	"	U

Waypoint Analytical, LLC.

SW-DRYWT

Moisture	7.4		0.05	% dry	1	A108912	12/10/2025	12/31/2025	
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Total Metals by 7196A

Chromium, Hexavalent	ND	0.263	0.539	mg/Kg - dry	1	A108890	"	12/19/2025	
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 Project Number: [none]
 Project: Chevron - Lucci B01-23 WH

BKG05@5.5'

12/10/2025 11:15:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5L0270-02 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
(DTPA Sorbitol) Boron	ND		0.117	mg/L dry	1	5L11087	12/11/2025	12/16/2025	U
Metals by Saturated Paste by EPA 6010									
Calcium	2.64		0.499	meq/L	10	[CALC]	12/11/2025	12/16/2025	
Magnesium	1.70		0.823	"	"	"	"	"	
Sodium	7.33		0.435	"	"	"	"	"	
Percent Solids									
Total Solids, Percent	85.3			mass percent	1	5L11079	12/11/2025	12/11/2025	
pH in Soil by 9045D									
pH	8.03			pH Units	1	5L11107	12/11/2025	12/16/2025	
SAR by 20B Saturated Paste									
SAR	4.97		0.0100	SAR	1	5L11097	"	12/16/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	1.26		0.00500	mmhos/cm	1	5L11107	"	12/16/2025	

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 Project Number: [none]
 Project: Chevron - Lucci B01-23 WH

BKG05@5.5'

12/10/2025 11:15:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5L0270-02 (Soil)
 Origins Laboratory**

Table 915 metals by EPA 6020B

Arsenic	6.10		0.237	mg/kg dry	10	5L11055	12/11/2025	12/12/2025	
Barium	ND		66.8	"	"	"	"	"	U
Cadmium	ND		0.310	"	"	"	"	"	U
Copper	ND		37.5	"	"	"	"	"	U
Lead	ND		11.4	"	"	"	"	"	U
Nickel	ND		21.2	"	"	"	"	"	U
Selenium	ND		0.200	"	"	"	"	"	U
Silver	ND		0.652	"	"	"	"	"	U
Zinc	ND		301	"	"	"	"	"	U

Waypoint Analytical, LLC.

SW-DRYWT

Moisture	13.7		0.05	% dry	1	A108912	12/10/2025	12/31/2025	
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Total Metals by 7196A

Chromium, Hexavalent	ND	0.282	0.579	mg/Kg - dry	1	A108890	"	12/19/2025	
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 Project Number: [none]
 Project: Chevron - Lucci B01-23 WH

BKG06@5.5'

12/10/2025 11:22:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5L0270-03 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
(DTPA Sorbitol) Boron	0.720		0.124	mg/L dry	1	5L11087	12/11/2025	12/16/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	3.82		0.499	meq/L	10	[CALC]	12/11/2025	12/16/2025	
Magnesium	2.03		0.823	"	"	"	"	"	
Sodium	10.7		0.435	"	"	"	"	"	
Percent Solids									
Total Solids, Percent	79.5			mass percent	1	5L11079	12/11/2025	12/11/2025	
pH in Soil by 9045D									
pH	8.59			pH Units	1	5L11107	12/11/2025	12/16/2025	
SAR by 20B Saturated Paste									
SAR	6.25		0.0100	SAR	1	5L11097	"	12/16/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	1.71		0.00500	mmhos/cm	1	5L11107	"	12/16/2025	

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 Project Number: [none]
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BKG06@5.5'

12/10/2025 11:22:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5L0270-03 (Soil)
 Origins Laboratory**

Table 915 metals by EPA 6020B

Arsenic	2.03		0.240	mg/kg dry	10	5L11055	12/11/2025	12/12/2025	
Barium	100		67.8	"	"	"	"	"	
Cadmium	ND		0.314	"	"	"	"	"	U
Copper	ND		38.1	"	"	"	"	"	U
Lead	ND		11.6	"	"	"	"	"	U
Nickel	ND		21.5	"	"	"	"	"	U
Selenium	1.69		0.204	"	"	"	"	"	
Silver	ND		0.662	"	"	"	"	"	U
Zinc	ND		306	"	"	"	"	"	U

Waypoint Analytical, LLC.

SW-DRYWT

Moisture	18.7		0.05	% dry	1	A108912	12/10/2025	12/31/2025	
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Total Metals by 7196A

Chromium, Hexavalent	ND	0.3	0.615	mg/Kg - dry	1	A108890	"	12/19/2025	
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 Project: Chevron - Lucci B01-23 WH

BKG04-GW

12/10/2025 11:52:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5L0270-04 (Water)									
Origins Laboratory									
Chloride and Sulfate By EPA 300.0									
Chloride	106		31.2	mg/L	125	5L11076	12/11/2025	12/13/2025	
Sulfate	1180		31.2	"	"	"	"	"	
Total Dissolved Solids by 2540C									
Total Dissolved Solids	2400		5.00	"	1	5L11050	12/11/2025	12/17/2025	

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BKG05-GW

12/10/2025 12:01:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5L0270-05 (Water)									
Origins Laboratory									
Chloride and Sulfate By EPA 300.0									
Chloride	68.1		31.2	mg/L	125	5L11076	12/11/2025	12/13/2025	
Sulfate	1000		31.2	"	"	"	"	"	
Total Dissolved Solids by 2540C									
Total Dissolved Solids	2080		5.00	"	1	5L11050	12/11/2025	12/17/2025	

Origins Laboratory

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David Stainback
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 Project: Chevron - Lucci B01-23 WH

BKG06-GW

12/10/2025 12:08:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5L0270-06 (Water)									
Origins Laboratory									
Chloride and Sulfate By EPA 300.0									
Chloride	262		31.2	mg/L	125	5L11076	12/11/2025	12/13/2025	
Sulfate	2620		31.2	"	"	"	"	"	
Total Dissolved Solids by 2540C									
Total Dissolved Solids	4540		5.00	"	1	5L11050	12/11/2025	12/17/2025	

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GW01

12/10/2025 12:21:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5L0270-07 (Water)
 Origins Laboratory**

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	5L11053	12/11/2025	12/12/2025	U
1,3,5-Trimethylbenzene	ND		2.00	"	"	"	"	"	U
Benzene	ND		1.00	"	"	"	"	"	U
Ethylbenzene	ND		1.00	"	"	"	"	"	U
Naphthalene	ND		2.00	"	"	"	"	"	U
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	ND		1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %				70-130	"	"	"	
Surrogate: Toluene-d8	98.7 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %				70-130	"	"	"	

Chloride and Sulfate By EPA 300.0

Chloride	389		31.2	mg/L	125	5L11076	12/11/2025	12/13/2025	
Sulfate	3200		125	"	501	"	"	12/15/2025	

Total Dissolved Solids by 2540C

Total Dissolved Solids	5620		5.00	"	1	5L11050	12/11/2025	12/17/2025	
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 Thornton CO 80229

David Stainback
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 Project: Chevron - Lucci B01-23 WH

***** DEFAULT GENERAL METHOD *** - 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 5L11079 - % Solids

Duplicate (5L11079-DUP1)

Source: E5L0268-09

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

Total Solids, Percent	94.8		mass percent		94.8			0.0226	20	
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Duplicate (5L11079-DUP2)

Source: E5L0268-10

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

Total Solids, Percent	96.0		mass percent		95.7			0.248	20	
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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 5L11050 - NO PREP

Blank (5L11050-BLK1)

Prepared: 12/11/2025 Analyzed: 12/17/2025

Total Dissolved Solids	ND	5.00	mg/L							U
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LCS (5L11050-BS1)

Prepared: 12/11/2025 Analyzed: 12/17/2025

Total Dissolved Solids	962	5.00	mg/L	1010		95.2	90-110			
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Duplicate (5L11050-DUP1)

Source: E5L0269-15

Prepared: 12/11/2025 Analyzed: 12/17/2025

Total Dissolved Solids	1010	5.00	mg/L		1060			4.83	10	
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Batch 5L11076 - Filter .45um non acidified

Blank (5L11076-BLK1)

Prepared: 12/11/2025 Analyzed: 12/13/2025

Chloride	ND	0.250	mg/L							U
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Sulfate	ND	0.250	"							U
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LCS (5L11076-BS1)

Prepared: 12/11/2025 Analyzed: 12/13/2025

Chloride	3.98	0.250	mg/L	4.00		99.5	90-110			
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Sulfate	3.82	0.250	"	4.00		95.6	90-110			
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Matrix Spike (5L11076-MS1)

Source: E5L0269-02

Prepared: 12/11/2025 Analyzed: 12/13/2025

Chloride	1840		mg/L	500	1320	104	90-110			
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Sulfate	1550		"	500	1070	96.1	90-110			
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Matrix Spike Dup (5L11076-MSD1)

Source: E5L0269-02

Prepared: 12/11/2025 Analyzed: 12/13/2025

Chloride	1840		mg/L	500	1320	105	90-110	0.113	5	
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Sulfate	1550		"	500	1070	97.1	90-110	0.319	5	
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David Stainback
 Project Number: [none]
 Project: Chevron - Lucci B01-23 WH

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 5L11087 - DTPA Sorbitol Preparation

Blank (5L11087-BLK1)

Prepared: 12/11/2025 Analyzed: 12/16/2025

(DTPA Sorbitol) Boron ND 0.100 mg/L wet U

Duplicate (5L11087-DUP1)

Source: E5L0268-19

Prepared: 12/11/2025 Analyzed: 12/16/2025

(DTPA Sorbitol) Boron 0.214 0.102 mg/L dry 0.218 1.79 50

Batch 5L11097 - Saturated Paste Metals

Blank (5L11097-BLK1)

Prepared: 12/11/2025 Analyzed: 12/16/2025

Calcium PPM ND 10.0 mg/L U

SAR ND 0.0100 SAR U

Magnesium PPM ND 10.0 mg/L U

Sodium PPM ND 10.0 " U

Duplicate (5L11097-DUP1)

Source: E5L0268-19

Prepared: 12/11/2025 Analyzed: 12/16/2025

SAR ND 0.0100 SAR 6.43 200 U

Calcium PPM 13.0 10.0 mg/L 16.8 25.4 50

Magnesium PPM 6.58 10.0 " 8.62 26.8 50 U

Sodium PPM 122 10.0 " 130 6.39 50

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CDH Consulting
 9446 Clermont St
 Thornton CO 80229

David Stainback
 Project Number: [none]
 Project: Chevron - Lucci B01-23 WH

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 5L11055 - EPA 3050B

Blank (5L11055-BLK1)

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

Arsenic	ND	0.218	mg/kg wet							U
Barium	ND	61.5	"							U
Cadmium	ND	0.285	"							U
Copper	ND	34.5	"							U
Lead	ND	10.5	"							U
Nickel	ND	19.5	"							U
Selenium	ND	0.184	"							U
Silver	ND	0.600	"							U
Zinc	ND	278	"							U

LCS (5L11055-BS1)

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

Arsenic	4.86	0.218	mg/kg wet	5.00		97.2	80-120			
Barium	481	61.5	"	500		96.2	80-120			
Cadmium	4.94	0.285	"	5.00		98.9	80-120			
Copper	50.7	34.5	"	50.0		101	80-120			
Lead	4.89	10.5	"	5.00		97.8	80-120			U
Nickel	4.82	19.5	"	5.00		96.4	80-120			U
Selenium	4.77	0.184	"	5.00		95.4	80-120			
Silver	5.12	0.600	"	5.00		102	80-120			
Zinc	48.7	278	"	50.0		97.4	80-120			U

Matrix Spike (5L11055-MS1)

Source: E5L0278-07

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

Arsenic	7.97	0.229	mg/kg dry	5.25	3.32	88.6	75-125			
Barium	592	64.6	"	525	92.9	95.1	75-125			
Cadmium	5.21	0.299	"	5.25	0.120	97.0	75-125			
Copper	56.6	36.2	"	52.5	7.58	93.4	75-125			
Lead	11.7	11.0	"	5.25	7.54	79.7	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 5L11055 - EPA 3050B

Matrix Spike (5L11055-MS1)

Source: E5L0278-07

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

Nickel	13.5	20.5	mg/kg dry	5.25	10.5	56.2	75-125			QM-07, U
Selenium	4.93	0.194	"	5.25	0.0773	92.4	75-125			
Silver	5.20	0.630	"	5.25	0.0376	98.3	75-125			
Zinc	77.5	291	"	52.5	31.8	87.2	75-125			U

Matrix Spike Dup (5L11055-MSD1)

Source: E5L0278-07

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

Arsenic	7.53	0.211	mg/kg dry	4.84	3.32	86.8	75-125	5.75	20	
Barium	539	59.5	"	484	92.9	92.1	75-125	9.43	20	
Cadmium	4.70	0.276	"	4.84	0.120	94.6	75-125	10.4	20	
Copper	51.0	33.4	"	48.4	7.58	89.6	75-125	10.5	20	
Lead	11.8	10.2	"	4.84	7.54	88.1	75-125	0.691	20	
Nickel	13.1	18.9	"	4.84	10.5	53.8	75-125	2.60	20	QM-07, U
Selenium	4.40	0.179	"	4.84	0.0773	89.2	75-125	11.4	20	
Silver	4.73	0.581	"	4.84	0.0376	96.9	75-125	9.47	20	
Zinc	72.5	269	"	48.4	31.8	84.2	75-125	6.68	20	U

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 Project: Chevron - Lucci B01-23 WH

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 5L11107 - Saturated Paste pH/EC

Blank (5L11107-BLK1)

Prepared: 12/11/2025 Analyzed: 12/16/2025

Specific Conductance (EC) ND 0.00500 mmhos/cm U

Duplicate (5L11107-DUP1)

Source: E5L0268-19

Prepared: 12/11/2025 Analyzed: 12/16/2025

pH 8.62 pH Units 8.52 1.17 25

Specific Conductance (EC) 0.738 0.00500 mmhos/cm 0.834 12.3 25

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 Project Number: [none]
 Project: Chevron - Lucci B01-23 WH

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 5L11053 - EPA 5030B (Water)

Blank (5L11053-BLK1)

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

1,2,4-Trimethylbenzene	ND	2.00	ug/L							U
1,3,5-Trimethylbenzene	ND	2.00	"							U
Benzene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Naphthalene	ND	2.00	"							U
Toluene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U

Surrogate: 1,2-Dichloroethane-d4	64		"	62.5	103		70-130			
Surrogate: Toluene-d8	61		"	62.5	97.4		70-130			
Surrogate: 4-Bromofluorobenzene	67		"	62.5	107		70-130			

LCS (5L11053-BS1)

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

1,2,4-Trimethylbenzene	58.0	2.00	ug/L	50.0	116		70-130			
1,3,5-Trimethylbenzene	59.2	2.00	"	50.0	118		70-130			
Benzene	56.2	1.00	"	50.0	112		70-130			
Ethylbenzene	54.3	1.00	"	50.0	109		70-130			
m,p-Xylene	116	2.00	"	100	116		70-130			
Naphthalene	49.9	2.00	"	50.0	99.9		70-130			
o-Xylene	53.1	1.00	"	50.0	106		70-130			
Toluene	56.4	1.00	"	50.0	113		70-130			

Surrogate: 1,2-Dichloroethane-d4	64		"	62.5	102		70-130			
Surrogate: Toluene-d8	59		"	62.5	95.2		70-130			
Surrogate: 4-Bromofluorobenzene	68		"	62.5	110		70-130			

Matrix Spike (5L11053-MS1)

Source: E5L0269-01

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

1,2,4-Trimethylbenzene	46.8	2.00	ug/L	50.0	ND	93.6	70-130			
1,3,5-Trimethylbenzene	47.3	2.00	"	50.0	ND	94.5	70-130			

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 Project Number: [none]
 Project: Chevron - Lucci B01-23 WH

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 5L11053 - EPA 5030B (Water)

Matrix Spike (5L11053-MS1)			Source: E5L0269-01			Prepared: 12/11/2025 Analyzed: 12/11/2025				
Benzene	45.3	1.00	ug/L	50.0	ND	90.5	70-130			
Ethylbenzene	42.1	1.00	"	50.0	ND	84.2	70-130			
m,p-Xylene	90.9	2.00	"	100	ND	90.9	70-130			
Naphthalene	45.3	2.00	"	50.0	ND	90.5	70-130			
o-Xylene	44.0	1.00	"	50.0	ND	88.1	70-130			
Toluene	45.8	1.00	"	50.0	ND	91.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.6	70-130			
Surrogate: 4-Bromofluorobenzene	68		"	62.5		108	70-130			

Matrix Spike Dup (5L11053-MSD1)			Source: E5L0269-01			Prepared: 12/11/2025 Analyzed: 12/11/2025				
1,2,4-Trimethylbenzene	53.5	2.00	ug/L	50.0	ND	107	70-130	13.3	20	
1,3,5-Trimethylbenzene	53.9	2.00	"	50.0	ND	108	70-130	13.1	20	
Benzene	52.0	1.00	"	50.0	ND	104	70-130	13.8	20	
Ethylbenzene	48.3	1.00	"	50.0	ND	96.6	70-130	13.7	20	
m,p-Xylene	104	2.00	"	100	ND	104	70-130	13.7	20	
Naphthalene	50.3	2.00	"	50.0	ND	101	70-130	10.5	20	
o-Xylene	49.6	1.00	"	50.0	ND	99.1	70-130	11.8	20	
Toluene	51.8	1.00	"	50.0	ND	104	70-130	12.4	20	
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	70-130			
Surrogate: Toluene-d8	59		"	62.5		94.6	70-130			
Surrogate: 4-Bromofluorobenzene	68		"	62.5		109	70-130			

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 Project Number: [none]
 Project: Chevron - Lucci B01-23 WH

SW-DRYWT - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A108912 -

DUP (L 95958-DUP)

Source: 95958

Prepared: Analyzed: 12/31/2025

Moisture	8.4	0.05	% dry		8.52	-		1.4	20	
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 Project Number: [none]
 Project: Chevron - Lucci B01-23 WH

**Total Metals by 7196A - Quality Control
 Waypoint Analytical, LLC.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A108890 -

DUP (L 95928-DUP)

Source: 95928

Prepared: Analyzed: 12/19/2025

Chromium, Hexavalent

ND

0.5

mg/Kg dry

<0.500

-

0

20

MS (L 95928-MS)

Source: 95928

Prepared: Analyzed: 12/19/2025

Chromium, Hexavalent

3.96

0.5

mg/Kg dry

7.97

<0.244

50

75-125

*

DUP (L 96033-DUP)

Source: 96033

Prepared: Analyzed: 12/19/2025

Chromium, Hexavalent

ND

0.5

mg/Kg dry

<0.500

-

0

20

LCS (LCS)

Prepared: Analyzed: 12/19/2025

Chromium, Hexavalent

8.45

0.5

mg/Kg

7.85

108

75-125

LRB (LRB)

Prepared: Analyzed: 12/19/2025

Chromium, Hexavalent

ND

0.5

mg/Kg

-

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Thornton CO 80229

David Stainback
Project Number: [none]
Project: Chevron - Lucci B01-23 WH

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.
- PH pH>2, Insufficient preservative
- * QC Failure
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

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