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Automated Report

Technical Report for

Chevron USA, Inc.

CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

CHEOB4/CHEO133

SGS Job Number: DA74480

Sampling Date: 08/18/25

Report to:

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ATTN: Chris McKisson

Total number of pages in report: **84**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Eric Hoffman

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Certifications: CO (CO00049), ND (R-027), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY (8TMS-L) HI (CO00049), NJ (CO011), NV (CO00049), AK (CO00049), CA (3076), and NC (08701)

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Sample Summary

Chevron USA, Inc.

Job No: DA74480

CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20
Project No: CHEOB4/CHEO133

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
DA74480-1	08/18/25	11:10	HT	08/18/25	SO	Soil	BKG03@3'
DA74480-1A	08/18/25	11:10	HT	08/18/25	SO	Soil	BKG03@3'
DA74480-1B	08/18/25	11:10	HT	08/18/25	SO	Soil	BKG03@3'
DA74480-2	08/18/25	12:15	HT	08/18/25	SO	Soil	BKG04@7'
DA74480-2A	08/18/25	12:15	HT	08/18/25	SO	Soil	BKG04@7'
DA74480-2B	08/18/25	12:15	HT	08/18/25	SO	Soil	BKG04@7'
DA74480-3	08/18/25	12:45	HT	08/18/25	SO	Soil	BKG05@4'
DA74480-3A	08/18/25	12:45	HT	08/18/25	SO	Soil	BKG05@4'
DA74480-3B	08/18/25	12:45	HT	08/18/25	SO	Soil	BKG05@4'
DA74480-4	08/18/25	09:45	HT	08/18/25	SO	Soil	BKG01@7'
DA74480-4A	08/18/25	09:45	HT	08/18/25	SO	Soil	BKG01@7'
DA74480-4B	08/18/25	09:45	HT	08/18/25	SO	Soil	BKG01@7'
DA74480-5	08/18/25	10:05	HT	08/18/25	SO	Soil	BKG02@5'

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Chevron USA, Inc.

Job No: DA74480

CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20
Project No: CHEOB4/CHEO133

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
DA74480-5A	08/18/25	10:05	HT	08/18/25	SO	Soil	BKG02@5'
DA74480-5B	08/18/25	10:05	HT	08/18/25	SO	Soil	BKG02@5'

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: DA74480
Account: Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20
Collected: 08/18/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA74480-1	**BKG03@3'**					
Arsenic		2.1	0.12		mg/kg	SW846 6020B
Barium		44.2	1.2		mg/kg	SW846 6020B
Cadmium		0.074	0.060		mg/kg	SW846 6020B
Copper		2.9	1.2		mg/kg	SW846 6020B
Lead		4.4	0.30		mg/kg	SW846 6020B
Nickel		7.6	1.2		mg/kg	SW846 6020B
Zinc		11.1	6.0		mg/kg	SW846 6020B
pH		6.62			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.23	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA74480-1A	**BKG03@3'**					
Calcium		57.8	6.0		mg/l	SW846 6010C
Magnesium		23.7	3.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		0.119			ratio	USDA HANDBOOK 60
DA74480-1B	**BKG03@3'**					
No hits reported in this sample.						
DA74480-2	**BKG04@7'**					
Arsenic		2.5	0.10		mg/kg	SW846 6020B
Barium		64.6	1.0		mg/kg	SW846 6020B
Cadmium		0.13	0.050		mg/kg	SW846 6020B
Copper		5.3	1.0		mg/kg	SW846 6020B
Lead		6.0	0.25		mg/kg	SW846 6020B
Nickel		19.3	1.0		mg/kg	SW846 6020B
Zinc		17.9	5.0		mg/kg	SW846 6020B
pH		7.78			su	WREP-125,4E-SATPASTE
Specific Conductivity		1.0	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA74480-2A	**BKG04@7'**					
Calcium		74.6	6.0		mg/l	SW846 6010C
Magnesium		15.1	3.0		mg/l	SW846 6010C
Sodium		158	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		4.36			ratio	USDA HANDBOOK 60
DA74480-2B	**BKG04@7'**					
No hits reported in this sample.						

Summary of Hits

Job Number: DA74480
Account: Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20
Collected: 08/18/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA74480-3	**BKG05@4'**					
Arsenic		2.6	0.12		mg/kg	SW846 6020B
Barium		57.2	1.2		mg/kg	SW846 6020B
Cadmium		0.13	0.059		mg/kg	SW846 6020B
Copper		3.4	1.2		mg/kg	SW846 6020B
Lead		6.0	0.30		mg/kg	SW846 6020B
Nickel		4.6	1.2		mg/kg	SW846 6020B
Zinc		16.1	5.9		mg/kg	SW846 6020B
pH		7.07			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.40	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA74480-3A	**BKG05@4'**					
Calcium		64.4	6.0		mg/l	SW846 6010C
Magnesium		12.6	3.0		mg/l	SW846 6010C
Sodium		11.6	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		0.346			ratio	USDA HANDBOOK 60
DA74480-3B	**BKG05@4'**					
No hits reported in this sample.						
DA74480-4	**BKG01@7'**					
Arsenic		3.3	0.13		mg/kg	SW846 6020B
Barium		109	1.3		mg/kg	SW846 6020B
Cadmium		0.088	0.065		mg/kg	SW846 6020B
Copper		2.8	1.3		mg/kg	SW846 6020B
Lead		4.9	0.33		mg/kg	SW846 6020B
Nickel		9.4	1.3		mg/kg	SW846 6020B
Zinc		12.7	6.5		mg/kg	SW846 6020B
pH		7.34			su	WREP-125,4E-SATPASTE
Specific Conductivity		1.3	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA74480-4A	**BKG01@7'**					
Calcium		121	6.0		mg/l	SW846 6010C
Magnesium		63.9	3.0		mg/l	SW846 6010C
Sodium		68.2	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		1.25			ratio	USDA HANDBOOK 60
DA74480-4B	**BKG01@7'**					
No hits reported in this sample.						

Summary of Hits

Job Number: DA74480
Account: Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20
Collected: 08/18/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA74480-5	**BKG02@5'**					
Arsenic		2.1	0.14		mg/kg	SW846 6020B
Barium		106	1.4		mg/kg	SW846 6020B
Cadmium		0.076	0.069		mg/kg	SW846 6020B
Copper		3.1	1.4		mg/kg	SW846 6020B
Lead		4.0	0.34		mg/kg	SW846 6020B
Nickel		17.4	1.4		mg/kg	SW846 6020B
Zinc		10.4	6.9		mg/kg	SW846 6020B
pH		7.24			su	WREP-125,4E-SATPASTE
Specific Conductivity		2.5	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA74480-5A	**BKG02@5'**					
Calcium		257	6.0		mg/l	SW846 6010C
Magnesium		126	3.0		mg/l	SW846 6010C
Sodium		172	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		2.20			ratio	USDA HANDBOOK 60
DA74480-5B	**BKG02@5'**					

No hits reported in this sample.

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	BKG03@3'		
Lab Sample ID:	DA74480-1	**Date Sampled:**	08/18/25
Matrix:	SO - Soil	**Date Received:**	08/18/25
		Percent Solids:	83.0
Project:	CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.1	0.12	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	44.2	1.2	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.074	0.060	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	2.9	1.2	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	4.4	0.30	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	7.6	1.2	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.24	0.24	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.060	0.060	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	11.1	6.0	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19523
(2) Prep QC Batch: MP42459

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG03@3'		
Lab Sample ID:	DA74480-1	**Date Sampled:**	08/18/25
Matrix:	SO - Soil	**Date Received:**	08/18/25
		Percent Solids:	83.0
Project:	CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	83		%	1	08/21/25	ZM	SM2540G-2011 M
pH-saturated paste method							
pH	6.62		su	1	08/27/25 08:45	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.23	0.0010	mmhos/cm	1	08/27/25 08:45	SG	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.48	0.48	mg/kg	1	09/02/25 14:42	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG03@3'		
Lab Sample ID:	DA74480-1A	**Date Sampled:**	08/18/25
Matrix:	SO - Soil	**Date Received:**	08/18/25
		Percent Solids:	83.0
Project:	CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	57.8	6.0	mg/l	1	08/21/25	08/23/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	23.7	3.0	mg/l	1	08/21/25	08/23/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	< 6.0	6.0	mg/l	1	08/21/25	08/23/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19524
(2) Prep QC Batch: MP42465

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG03@3'		
Lab Sample ID:	DA74480-1A	**Date Sampled:**	08/18/25
Matrix:	SO - Soil	**Date Received:**	08/18/25
		Percent Solids:	83.0
Project:	CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.119		ratio	1	08/23/25 00:02	BR	USDA HANDBOOK 60

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG03@3'		
Lab Sample ID:	DA74480-1B	**Date Sampled:**	08/18/25
Matrix:	SO - Soil	**Date Received:**	08/18/25
		Percent Solids:	83.0
Project:	CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.50	0.50	mg/l	1	08/21/25	08/25/25	BR	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19528
(2) Prep QC Batch: MP42458

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG04@7'		
Lab Sample ID:	DA74480-2	**Date Sampled:**	08/18/25
Matrix:	SO - Soil	**Date Received:**	08/18/25
		Percent Solids:	94.9
Project:	CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.5	0.10	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	64.6	1.0	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.13	0.050	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	5.3	1.0	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	6.0	0.25	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	19.3	1.0	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.20	0.20	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.050	0.050	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	17.9	5.0	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19523
(2) Prep QC Batch: MP42459

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG04@7'		
Lab Sample ID:	DA74480-2	**Date Sampled:**	08/18/25
Matrix:	SO - Soil	**Date Received:**	08/18/25
		Percent Solids:	94.9
Project:	CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	94.9		%	1	08/21/25	ZM	SM2540G-2011 M
pH-saturated paste method							
pH	7.78		su	1	08/27/25 08:45	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	1.0	0.0010	mmhos/cm	1	08/27/25 08:45	SG	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.44	0.44	mg/kg	1	09/02/25 14:58	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG04@7'		
Lab Sample ID:	DA74480-2A	**Date Sampled:**	08/18/25
Matrix:	SO - Soil	**Date Received:**	08/18/25
		Percent Solids:	94.9
Project:	CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	74.6	6.0	mg/l	1	08/21/25	08/23/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	15.1	3.0	mg/l	1	08/21/25	08/23/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	158	6.0	mg/l	1	08/21/25	08/23/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19524
(2) Prep QC Batch: MP42465

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG04@7'		
Lab Sample ID:	DA74480-2A	**Date Sampled:**	08/18/25
Matrix:	SO - Soil	**Date Received:**	08/18/25
		Percent Solids:	94.9
Project:	CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	4.36		ratio	1	08/23/25 00:03	BR	USDA HANDBOOK 60

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG04@7'		
Lab Sample ID:	DA74480-2B	**Date Sampled:**	08/18/25
Matrix:	SO - Soil	**Date Received:**	08/18/25
		Percent Solids:	94.9
Project:	CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.50	0.50	mg/l	1	08/21/25	08/25/25	BR	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19528
(2) Prep QC Batch: MP42458

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG05@4'		
Lab Sample ID:	DA74480-3	**Date Sampled:**	08/18/25
Matrix:	SO - Soil	**Date Received:**	08/18/25
		Percent Solids:	81.4
Project:	CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.6	0.12	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	57.2	1.2	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.13	0.059	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	3.4	1.2	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	6.0	0.30	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	4.6	1.2	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.24	0.24	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.059	0.059	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	16.1	5.9	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19523
(2) Prep QC Batch: MP42459

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG05@4'		
Lab Sample ID:	DA74480-3	**Date Sampled:**	08/18/25
Matrix:	SO - Soil	**Date Received:**	08/18/25
		Percent Solids:	81.4
Project:	CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	81.4		%	1	08/21/25	ZM	SM2540G-2011 M
pH-saturated paste method							
pH	7.07		su	1	08/27/25 08:45	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.40	0.0010	mmhos/cm	1	08/27/25 08:45	SG	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.49	0.49	mg/kg	1	09/02/25 15:30	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG05@4'		
Lab Sample ID:	DA74480-3A	**Date Sampled:**	08/18/25
Matrix:	SO - Soil	**Date Received:**	08/18/25
		Percent Solids:	81.4
Project:	CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	64.4	6.0	mg/l	1	08/21/25	08/23/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	12.6	3.0	mg/l	1	08/21/25	08/23/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	11.6	6.0	mg/l	1	08/21/25	08/23/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19524
(2) Prep QC Batch: MP42465

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG05@4'		
Lab Sample ID:	DA74480-3A	**Date Sampled:**	08/18/25
Matrix:	SO - Soil	**Date Received:**	08/18/25
		Percent Solids:	81.4
Project:	CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.346		ratio	1	08/23/25 00:05	BR	USDA HANDBOOK 60

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG05@4'		
Lab Sample ID:	DA74480-3B	**Date Sampled:**	08/18/25
Matrix:	SO - Soil	**Date Received:**	08/18/25
		Percent Solids:	81.4
Project:	CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.50	0.50	mg/l	1	08/21/25	08/25/25	BR	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19528
(2) Prep QC Batch: MP42458

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@7'		
Lab Sample ID:	DA74480-4	**Date Sampled:**	08/18/25
Matrix:	SO - Soil	**Date Received:**	08/18/25
		Percent Solids:	75.6
Project:	CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.3	0.13	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	109	1.3	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.088	0.065	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	2.8	1.3	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	4.9	0.33	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	9.4	1.3	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.26	0.26	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.065	0.065	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	12.7	6.5	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19523
(2) Prep QC Batch: MP42459

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@7'		
Lab Sample ID:	DA74480-4	**Date Sampled:**	08/18/25
Matrix:	SO - Soil	**Date Received:**	08/18/25
		Percent Solids:	75.6
Project:	CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	75.6		%	1	08/21/25	ZM	SM2540G-2011 M
pH-saturated paste method							
pH	7.34		su	1	08/27/25 08:45	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	1.3	0.0010	mmhos/cm	1	08/27/25 08:45	SG	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.53	0.53	mg/kg	1	09/02/25 15:46	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@7'		
Lab Sample ID:	DA74480-4A	**Date Sampled:**	08/18/25
Matrix:	SO - Soil	**Date Received:**	08/18/25
		Percent Solids:	75.6
Project:	CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	121	6.0	mg/l	1	08/21/25	08/22/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	63.9	3.0	mg/l	1	08/21/25	08/22/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	68.2	6.0	mg/l	1	08/21/25	08/22/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19524
(2) Prep QC Batch: MP42462

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@7'		
Lab Sample ID:	DA74480-4A	**Date Sampled:**	08/18/25
Matrix:	SO - Soil	**Date Received:**	08/18/25
		Percent Solids:	75.6
Project:	CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	1.25		ratio	1	08/22/25 22:29	BR	USDA HANDBOOK 60

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@7'		
Lab Sample ID:	DA74480-4B	**Date Sampled:**	08/18/25
Matrix:	SO - Soil	**Date Received:**	08/18/25
		Percent Solids:	75.6
Project:	CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.50	0.50	mg/l	1	08/21/25	08/25/25	BR	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19528
(2) Prep QC Batch: MP42458

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@5'		
Lab Sample ID:	DA74480-5	**Date Sampled:**	08/18/25
Matrix:	SO - Soil	**Date Received:**	08/18/25
		Percent Solids:	77.5
Project:	CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.1	0.14	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	106	1.4	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.076	0.069	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	3.1	1.4	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	4.0	0.34	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	17.4	1.4	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.27	0.27	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.069	0.069	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	10.4	6.9	mg/kg	5	08/21/25	08/22/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19523
(2) Prep QC Batch: MP42459

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@5'		
Lab Sample ID:	DA74480-5	**Date Sampled:**	08/18/25
Matrix:	SO - Soil	**Date Received:**	08/18/25
		Percent Solids:	77.5
Project:	CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	77.5		%	1	08/21/25	ZM	SM2540G-2011 M
pH-saturated paste method							
pH	7.24		su	1	08/27/25 11:45	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	2.5	0.0010	mmhos/cm	1	08/27/25 11:45	SG	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.54	0.54	mg/kg	1	09/02/25 16:02	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@5'		
Lab Sample ID:	DA74480-5A	**Date Sampled:**	08/18/25
Matrix:	SO - Soil	**Date Received:**	08/18/25
		Percent Solids:	77.5
Project:	CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	257	6.0	mg/l	1	08/21/25	08/22/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	126	3.0	mg/l	1	08/21/25	08/22/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	172	6.0	mg/l	1	08/21/25	08/22/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19524
(2) Prep QC Batch: MP42462

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@5'		
Lab Sample ID:	DA74480-5A	**Date Sampled:**	08/18/25
Matrix:	SO - Soil	**Date Received:**	08/18/25
		Percent Solids:	77.5
Project:	CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	2.20		ratio	1	08/22/25 22:31	BR	USDA HANDBOOK 60

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@5'		
Lab Sample ID:	DA74480-5B	**Date Sampled:**	08/18/25
Matrix:	SO - Soil	**Date Received:**	08/18/25
		Percent Solids:	77.5
Project:	CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.50	0.50	mg/l	1	08/21/25	08/25/25	BR	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19528
(2) Prep QC Batch: MP42458

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

PN

CHAIN OF CUSTODY

SGS

SGS North America Inc. - Wheat Ridge
4036 Youngfield Street, Wheat Ridge, CO 80033
TEL: 303-425-6021 FAX: 303-425-6854
www.sgs.com/ehsusa

Bottle Order Control #:
FED-EX Tracking #:
SGS Quote #:
SGS Job # DA74480

Client / Reporting Information

Company: Noble, Confluence
Street: 403 1/2 Rockwood Ln
City, State ZIP: Grand Junction, CO 81504
Project Contact: Chris McKissan
Phone: (720) 490-6758
Email: Chris.mckissan@confluence-cc.com
Sampler(s) Name(s): Holly Tigmc

Project Information

Project Name: LUCC1 B #1-21 / LUCC1 B #1-20
Street:
City, State ZIP:
Project #: CHEC054 / CHEC135
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company: Noble
Street Address:
City, State ZIP:
Attention: Chris Shepherd

Requested Analysis (see TEST CODE sheet)

Field ID / Point of Collection	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: NONE	HCl	NaOH	HNO3	H2SO4	DI Water	MEOH	ENCORE	Na2S2O3	Na2SO3	915-1 Metals	Hex Chrome	pH, SAR, EC	Boron (HWS)	915-1 VOCs	915-1 PAHs	TPH (GRO, DRO, ORO)	Matrix Codes / LAB USE ONLY
C1 BKG03@3'	8/18	1110	HT	S	3	X																	
C2 BKG04@7'	8/18	1215	HT	S	3	X																	
C3 BKG05@4'	8/18	1245	HT	S	3	X																	
C4 BKG01@7'	8/18	0945	HT	S	3	X																	
C5 BKG02@5'	8/18	1005	HT	S	3	X																	

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

Turnaround Time (Business days)

- [X] Standard 10 Business Days — Special Reporting Instructions
- [ ] 5 Business Days RUSH — [ ] Report in PPB
- [ ] 3 Business Days RUSH — [ ] Report in PPM
- [ ] 2 Business Days RUSH — [ ] Report MDLs
- [ ] 1 Business Day EMERGENC
- Emergency & Rush T/A data available via LabLink. RUSH TAT approval needed

Data Deliverable Information

- [ ] Commercial "A" (Level 1, Results Only)
- [ ] Commercial "B" (Level 2, Results + QC Summary)
- [ ] COMMBN (Results/QC/Narrative)
- [ ] COMMBN+ [Results/QC/Narrative (+ chromatograms)]
- [ ] REDT2
- [ ] FULT1 — [ ] EDD Format

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date/Time:	Received By:	Relinquished By:	Date/Time:	Received By:
1	8/18/25 1346	1 Natalie Thompson	2		2
Relinquished by Sampler:	Date/Time:	Received By:	Relinquished By:	Date/Time:	Received By:
3		3	4		4

Custody Seal #: Intact [X] Not intact [ ] Absent [ ]
Preserved where applicable [ ]
Cooler Temp. °C: 3.5 Therm. ID: T-01
On Ice [X] 4

http://www.sgs.com/en/terms-and-conditions

EHSA-QAC-0027-00-FORM-Wheat Ridge - DW COC. Rev. Date. 4/10/18

4.1 4

DA74480: Chain of Custody
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PN

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CHAIN OF CUSTODY

SGS North America Inc. - Wheat Ridge
4036 Youngfield Street, Wheat Ridge, CO 80033
TEL: 303-425-6021 FAX: 303-425-6854
www.sgs.com/ehsusa

Bottle Order Control #	FED-EX Tracking #
SGS Quote #	SGS Job # DA74480

Client / Reporting Information

Company: Noble, Confluence
Street: 403 1/2 Rockwood Ln
City, State ZIP: Grand Junction, CO 81507
Project Contact: Chris McKissen
Phone: (720) 490-6758
Email: Chris.mckissen@confluence-cc.com
Sampler(s) Name(s): Holly Tigner

Project Information

Project Name: LUCC1 B #1-21 / LUCC1 B #1-20
Street:
City, State ZIP:
Project #: CHEO84 / CHEO135
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company: Noble
Street Address:
City, State ZIP:
Attention: Chris Shepherd

Requested Analysis (see TEST CODE sheet)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED - Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB - Equipment Blank
RB - Rinse Blank
TB - Trip Blank

	Field ID / Point of Collection	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Preservation: NONE	HCl	NaOH	HNO3	H2SO4	DI Water	MEOH	ENCORE	Na2S2O3	NaHSO3	915-1 Metals	Hex Chrome	pH, SAR, EC	Boron (HWS)	915-1 VOCs	915-1 PAHs	TPH (GRO, DRO, ORO)	LAB USE ONLY
C1	BKG03@3'	8/18	1110	HT	S	3	X										X	X	X	X				
C2	BKG04@7'	8/18	1215	HT	S	3	X										x	x	x	x				
C3	BKG05@4'	8/18	1245	HT	S	3	X										x	x	x	x				
C4	BKG01@7'	8/18	0945	HT	S	3	X										x	x	x	x				
C5	BKG02@5'	8/18	1005	HT	S	3	X										X	x	x	x				
																		CNM 250819						

Turnaround Time (Business days)

- [x] Standard 10 Business Days — Special Reporting Instructions
- [ ] 5 Business Days RUSH — [ ] Report in PPB
- [ ] 3 Business Days RUSH — [ ] Report in PPM
- [ ] 2 Business Days RUSH — [ ] Report MDLs
- [ ] 1 Business Day EMERGENC
- Emergency & Rush T/A data available via LabLink. RUSH TAT approval needed

Data Deliverable Information

- [ ] Commercial "A" (Level 1, Results Only)
- [ ] Commercial "B" (Level 2, Results + QC Summary)
- [ ] COMMBN (Results/QC/Narrative)
- [ ] COMMBN+ [Results/QC/Narrative (+ chromatograms)]
- [ ] REDT2
- [ ] FULT1 — [ ] EDD Format

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler: 1	Date/Time: 8/18/23 1346	Received By: 1 Natalie Thompson	Relinquished By: 2	Date/Time:	Received By: 2
Relinquished by Sample: 3	Date/Time:	Received By: 3	Relinquished By: 4	Date/Time:	Received By: 4

Custody Seal # — Intact [x] Not Intact [ ] Absent [ ]
Preserved where applicable [x] Cooler Temp °C: 3.5 Therm. ID: T021 On Ice [4]

http://www.sgs.com/en/terms-and-conditions

EHSA-QAC-0027-00-FORM-Wheat Ridge - DW COC, Rev. Date: 4/10/18

Revised COC 8/19 PP

SGS Sample Receipt Summary

Job Number: da74480 **Client:** CONFLUENCE **Project:** LICCI B #1-21/ LUCCI B #1-20

Date / Time Received: 8/18/2025 6:30:00 PM **Delivery Method:** hd **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (3.5);

Cooler Temps (Corrected) °C: Cooler 1: (3.5);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: pH 12+: Other: (Specify)

Comments

Responded to by:

Response Date:

DA74480: Chain of Custody
Page 4 of 6

SGS Sample Receipt Summary

Job Number: da74480 **Client:** CONFLUENCE **Project:** LICCI B #1-21/ LUCCI B #1-20

Date / Time Received: 8/18/2025 6:30:00 PM **Delivery Method:** hd **Airbill #'s:**

Cooler Temps (Raw Measured) °C: 3.5

Cooler Temps (Corrected) °C: 3.5

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☐
2. Trip Blank listed on COC:	☐		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: pH 12+: Other: (Specify)

Comments: NO boxes checked off for tests on COC.

Responded to by: PP Response Date: 8/19/2025

The samples should be analyzed for Table 915-1 metals, pH, EC, SAR, and boron (HWS) per the updated COC.

DA74480: Chain of Custody
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Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42458
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/21/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	500	9.9	75		
Antimony	150	30	34		
Arsenic	130	11	23		
Barium	50	.95	6.5		
Beryllium	50	.5	6.5		
Boron	250	6.3	32	14.5	<250
Cadmium	50	1.1	6.5		
Calcium	2000	28	250		
Chromium	50	3.4	6.5		
Cobalt	25	4.1	3.2		
Copper	50	2.5	6.5		
Iron	350	9.3	60		
Lead	250	21	32		
Lithium	25	10	6.5		
Magnesium	1000	35	130		
Manganese	25	.85	3.2		
Molybdenum	50	13	14		
Nickel	150	5.7	19		
Phosphorus	500	58	80		
Potassium	5000	180	630		
Selenium	250	46	110		
Silicon	1000	210	750		
Silver	150	2.8	19		
Sodium	2000	43	250		
Strontium	25	.5	3.2		
Thallium	50	30	22		
Tin	300	17	260		
Titanium	50	2.2	6.5		
Uranium	250	57	43		
Vanadium	50	5.2	6.5		
Zinc	150	3.4	19		

Associated samples MP42458: DA74480-1B, DA74480-2B, DA74480-3B, DA74480-4B, DA74480-5B

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42458 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/21/25

Metal	RL	IDL	MDL	MB raw	final

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42458
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			08/21/25					08/21/25	
Metal	DA74485-1B Original	DUP	RPD	QC Limits	DA74485-1B Original	MS	Spikelot ICPALL6	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Boron	167	158	5.5	0-20	167	10400	10000	102.3	75-125
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Lithium									
Magnesium									
Manganese									
Molybdenum									
Nickel									
Phosphorus									
Potassium									
Selenium									
Silicon									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Uranium									
Vanadium									
Zinc									

Associated samples MP42458: DA74480-1B, DA74480-2B, DA74480-3B, DA74480-4B, DA74480-5B

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42458
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			08/21/25			08/21/25	
Metal	DA74485-1B Original DUP	RPD	QC Limits	DA74485-1B Original MS	Spikelot ICPALL6 % Rec		QC Limits

(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42458 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/21/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	8520	10000	85.2	80-120
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP42458: DA74480-1B, DA74480-2B, DA74480-3B, DA74480-4B, DA74480-5B

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42458
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/21/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits

(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42458 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/21/25

Metal	DA74485-1B Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	33.3	27.8	16.5 (a)	0-10
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP42458: DA74480-1B, DA74480-2B, DA74480-3B, DA74480-4B, DA74480-5B

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42458 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/21/25

	DA74485-1B		QC
Metal	Original SDL 1:5	%DIF	Limits

(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42459 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 08/21/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	25	.26	2.5		
Antimony	0.20	.005	.025		
Arsenic	0.10	.025	.025	0.042	<0.10
Barium	1.0	.048	.12	0.031	<1.0
Beryllium	0.10	.038	.02		
Boron	20	9.1	5		
Cadmium	0.050	.015	.02	0.0031	<0.050
Calcium	200	13	15		
Chromium	1.0	.043	.3		
Cobalt	0.10	.02	.013		
Copper	1.0	.025	.13	-0.017	<1.0
Iron	10	.8	7.5		
Lead	0.25	.047	.1	0.017	<0.25
Magnesium	50	5	5		
Manganese	0.50	.04	.1		
Molybdenum	0.50	.019	.14		
Nickel	1.0	.049	.1	0.0035	<1.0
Phosphorus	30	3.8	13		
Potassium	100	1	13		
Selenium	0.20	.025	.025	0.0035	<0.20
Silver	0.050	.0041	.015	0.0010	<0.050
Sodium	250	5	15		
Strontium	10	.05	.5		
Thallium	0.10	.016	.02		
Tin	5.0	.11	2		
Titanium	1.0	.025	.15		
Uranium	0.10	.0074	.05		
Vanadium	0.50	.071	.1		
Zinc	5.0	.025	.5	-0.061	<5.0

Associated samples MP42459: DA74480-1, DA74480-2, DA74480-3, DA74480-4, DA74480-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42459
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 08/21/25

Metal	DA74473-43 Original	MS	Spikelot ICPMS6	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	2.2	94.9	103	90.4	75-125
Barium	56.5	253	205	95.8	75-125
Beryllium					
Boron					
Cadmium	0.075	52.1	51.3	101.5	75-125
Calcium					
Chromium					
Cobalt					
Copper	3.9	52.4	51.3	94.6	75-125
Iron					
Lead	5.0	106	103	98.5	75-125
Magnesium					
Manganese					
Molybdenum					
Nickel	4.5	52.0	51.3	92.7	75-125
Phosphorus					
Potassium					
Selenium	0.18	94.2	103	91.7	75-125
Silver	0.033	20.9	20.5	101.8	75-125
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc	15.5	64.2	51.3	95.0	75-125

Associated samples MP42459: DA74480-1, DA74480-2, DA74480-3, DA74480-4, DA74480-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42459 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 08/21/25

Metal	DA74473-43 Original	MSD	Spikelot ICPMS6	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	2.2	91.9	96.9	92.6	3.2	20
Barium	56.5	260	194	105.0	2.7	20
Beryllium						
Boron						
Cadmium	0.075	50.2	48.4	103.5	3.7	20
Calcium						
Chromium						
Cobalt						
Copper	3.9	51.0	48.4	97.2	2.7	20
Iron						
Lead	5.0	104	96.9	102.2	1.9	20
Magnesium						
Manganese						
Molybdenum						
Nickel	4.5	50.5	48.4	95.0	2.9	20
Phosphorus						
Potassium						
Selenium	0.18	92.5	96.9	95.3	1.8	20
Silver	0.033	20.2	19.4	104.1	3.4	20
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc	15.5	64.1	48.4	100.3	0.2	20

Associated samples MP42459: DA74480-1, DA74480-2, DA74480-3, DA74480-4, DA74480-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42459
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 08/21/25

Metal	BSP Result	Spikelot ICPMS6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	98.7	100	98.7	80-120
Barium	194	200	97.0	80-120
Beryllium				
Boron				
Cadmium	50.4	50	100.8	80-120
Calcium				
Chromium				
Cobalt				
Copper	50.8	50	101.6	80-120
Iron				
Lead	99.7	100	99.7	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel	50.0	50	100.0	80-120
Phosphorus				
Potassium				
Selenium	100	100	100.0	80-120
Silver	20.1	20	100.5	80-120
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	48.8	50	97.6	80-120

Associated samples MP42459: DA74480-1, DA74480-2, DA74480-3, DA74480-4, DA74480-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42459 Methods: SW846 6020B
Matrix Type: SOLID Units: ug/l

Prep Date: 08/21/25

Metal	DA74473-43 Original	SDL 5:25	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	22.5	24.0	7.0	0-20
Barium	573	584	2.0	0-20
Beryllium				
Boron				
Cadmium	0.756	0.881	16.5	0-20
Calcium				
Chromium				
Cobalt				
Copper	39.5	40.1	1.5	0-20
Iron				
Lead	50.8	50.9	0.3	0-20
Magnesium				
Manganese				
Molybdenum				
Nickel	46.1	46.3	0.5	0-20
Phosphorus				
Potassium				
Selenium	1.87	1.34	28.2 (a)	0-20
Silver	0.334	0.297	11.1	0-20
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	157	169	7.4	0-20

Associated samples MP42459: DA74480-1, DA74480-2, DA74480-3, DA74480-4, DA74480-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42462
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/21/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	1500	30	230		
Antimony	450	90	100		
Arsenic	380	34	69		
Barium	150	2.9	20		
Beryllium	150	1.5	20		
Boron	750	19	95		
Cadmium	150	3.2	20		
Calcium	6000	84	750	248	<6000
Chromium	150	10	20		
Cobalt	75	12	9.5		
Copper	150	7.4	20		
Iron	1100	28	180		
Lead	750	63	95		
Lithium	75	30	20		
Magnesium	3000	110	380	28.5	<3000
Manganese	75	2.6	9.5		
Molybdenum	150	38	42		
Nickel	450	17	57		
Phosphorus	1500	170	240		
Potassium	15000	540	1900		
Selenium	750	140	320		
Silicon	3000	620	2300		
Silver	450	8.4	57		
Sodium	6000	130	750	67.5	<6000
Strontium	75	1.5	9.5		
Thallium	150	91	65		
Tin	900	51	770		
Titanium	150	6.5	20		
Uranium	750	170	130		
Vanadium	150	15	20		
Zinc	450	10	57		

Associated samples MP42462: DA74480-4A, DA74480-5A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42462 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/21/25

Metal	RL	IDL	MDL	MB raw	final

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42462 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/21/25

Metal	DA74481-3A Original	MS	Spikelot ICPALL6	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium	1140000	1550000	375000	109.3	75-125
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Lithium					
Magnesium	492000	841000	375000	93.1	75-125
Manganese					
Molybdenum					
Nickel					
Phosphorus					
Potassium					
Selenium					
Silicon					
Silver					
Sodium	95600	449000	375000	94.2	75-125
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc					

Associated samples MP42462: DA74480-4A, DA74480-5A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42462 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/21/25

	DA74481-3A	Spikelot		QC
Metal	Original MS	ICPALL6	% Rec	Limits

(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42462 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/21/25

Metal	DA74481-3A Original	MSD	Spikelot ICPALL6	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium	1140000	1310000	375000	45.3N(a)	16.8	20
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Lithium						
Magnesium	492000	758000	375000	70.9N(a)	10.4	20
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium						
Silicon						
Silver						
Sodium	95600	446000	375000	93.4	0.7	20
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc						

Associated samples MP42462: DA74480-4A, DA74480-5A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42462 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/21/25

	DA74481-3A	Spikelot		MSD	QC
Metal	Original MSD	ICPALL6	% Rec	RPD	Limit

(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42462 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/21/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	372000	375000	99.2	80-120
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	364000	375000	97.1	80-120
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	381000	375000	101.6	80-120
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP42462: DA74480-4A, DA74480-5A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42462 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/21/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits

(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42462 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/21/25

Metal	DA74481-3A Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	75900	77900	2.7	0-10
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	32800	33700	2.7	0-10
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	6370	6480	1.7	0-10
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP42462: DA74480-4A, DA74480-5A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42462 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/21/25

	DA74481-3A		QC
Metal	Original SDL 1:5	%DIF	Limits

(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42465
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/21/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	1500	30	230		
Antimony	450	90	100		
Arsenic	380	34	69		
Barium	150	2.9	20		
Beryllium	150	1.5	20		
Boron	750	19	95		
Cadmium	150	3.2	20		
Calcium	6000	84	750	429	<6000
Chromium	150	10	20		
Cobalt	75	12	9.5		
Copper	150	7.4	20		
Iron	1100	28	180		
Lead	750	63	95		
Lithium	75	30	20		
Magnesium	3000	110	380	108	<3000
Manganese	75	2.6	9.5		
Molybdenum	150	38	42		
Nickel	450	17	57		
Phosphorus	1500	170	240		
Potassium	15000	540	1900		
Selenium	750	140	320		
Silicon	3000	620	2300		
Silver	450	8.4	57		
Sodium	6000	130	750	432	<6000
Strontium	75	1.5	9.5		
Thallium	150	91	65		
Tin	900	51	770		
Titanium	150	6.5	20		
Uranium	750	170	130		
Vanadium	150	15	20		
Zinc	450	10	57		

Associated samples MP42465: DA74480-1A, DA74480-2A, DA74480-3A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42465 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/21/25

Metal	RL	IDL	MDL	MB raw	final

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42465 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/21/25

Metal	DA74473-38A Original	MS	Spikelot ICPALL6	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium	25700	400000	375000	99.8	75-125
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Lithium					
Magnesium	6170	371000	375000	97.3	75-125
Manganese					
Molybdenum					
Nickel					
Phosphorus					
Potassium					
Selenium					
Silicon					
Silver					
Sodium	9480	382000	375000	99.3	75-125
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc					

Associated samples MP42465: DA74480-1A, DA74480-2A, DA74480-3A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42465 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/21/25

	DA74473-38A	Spikelot		QC
Metal	Original MS	ICPALL6	% Rec	Limits

(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42465 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/21/25

Metal	DA74473-38A Original	MSD	Spikelot ICPALL6	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium	25700	407000	375000	101.7	1.7	20
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Lithium						
Magnesium	6170	378000	375000	99.2	1.9	20
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium						
Silicon						
Silver						
Sodium	9480	393000	375000	102.3	2.8	20
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc						

Associated samples MP42465: DA74480-1A, DA74480-2A, DA74480-3A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42465 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/21/25

	DA74473-38A	Spikelot		MSD	QC
Metal	Original MSD	ICPALL6	% Rec	RPD	Limit

(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42465 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/21/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	383000	375000	102.1	80-120
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	374000	375000	99.7	80-120
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	388000	375000	103.5	80-120
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP42465: DA74480-1A, DA74480-2A, DA74480-3A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42465 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/21/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits

(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42465 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/21/25

Metal	DA74473-38A Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	1710	1750	2.1	0-10
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	411	442	7.6	0-10
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	632	609	3.6	0-10
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP42465: DA74480-1A, DA74480-2A, DA74480-3A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

QC Batch ID: MP42465 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/21/25

	DA74473-38A		QC
Metal	Original SDL 1:5	%DIF	Limits

(anr) Analyte not requested

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Specific Conductivity	GP39302/GN68689			mmhos/cm	1.409	1.5	103.7	90-110%
Specific Conductivity	GP39305/GN68697			mmhos/cm	1.409	1.4	100.6	90-110%

Associated Samples:
Batch GP39302: DA74480-1, DA74480-2, DA74480-3, DA74480-4
Batch GP39305: DA74480-5
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA74480
Account: CHEVRCOG - Chevron USA, Inc.
Project: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GP39302/GN68689	DA74480-4	mmhos/cm	1.3	1.3	1.2	0-20%
Specific Conductivity	GP39305/GN68697	DA74513-7	mmhos/cm	0.49	0.49	0.4	0-20%
pH	GN68688	DA74473-35	su	8.05	8.05	0.0	0-5%
pH	GN68695	DA74480-5	su	7.24	7.28	0.6	0-5%

Associated Samples:
Batch GN68688: DA74480-1, DA74480-2, DA74480-3, DA74480-4
Batch GN68695: DA74480-5
Batch GP39302: DA74480-1, DA74480-2, DA74480-3, DA74480-4
Batch GP39305: DA74480-5
(*) Outside of QC limits

Misc. Forms

Custody Documents and Other Forms

(SGS Dayton, NJ)

Includes the following where applicable:

- Chain of Custody

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CHAIN OF CUSTODY

SGS North America Inc. - Wheat Ridge
4036 Youngfield Street, Wheat Ridge, CO 80033
TEL: 303-425-6021 FAX: 303-425-6854
www.sgs.com/ehsusa

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FED-EX Tracking # 7444 9078 1239 | Bottle Order Control # | SGS Quote # | SGS Job # DA74480

Client / Reporting Information	Project Information	Billing Information (if different from Raport to)
Company Name: SGS North America Inc.	Project Name: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20	Company Name
Street Address: 4036 Youngfield Street	Street	Street Address
City State Zip: Wheat Ridge, CO 8003:	City State	City State Zip
Project Contact E-mail: parna.eskandaripayandeh@sgs.com	Project #	
Phone # Fax #: 303-425-6021	Client Purchase Order #	
Sampler(s) Name(s) Phone: HT	Project Manager	Attention:

Requested Analysis (see TEST CODE sheet) — Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	XCRA7199	LAB USE ONLY
1	BKG03@3'		8/18/25	11:10:00 AM	HT	SO										X	
2	BKG04@7'		8/18/25	12:15:00 PM	HT	SO										X	
3	BKG05@4'		8/18/25	12:45:00 PM	HT	SO										X	
4	BKG01@7'		~~8/18/25~~	~~9:45:00 AM~~	HT	SO										X	
5	BKG02@5'		8/18/25	10:05:00 AM	HT	SO										X	

Turnaround Time (Business days)

Approved By (SGS PM): / Date:

- [ ] Standard 10 Day (business)
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY
- [X] other Due 8/27/2025

Emergency & Rush T/A data available via Lablink Approval needed for RUSH/Emergency TAT

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] REDT1 (Level 3)
- [ ] FULT1 (Level 4)
- [ ] Commercial "C"
- [ ] State Forms
- [ ] EDD Format
- [ ] Other
- [X] CC

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Initial Assessment BAJT
Label Verification

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		~~8-20-25~~	1 Fedex	2 Fedex	8/21/25 9:30	2
3	Relinquished by Sampler:	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal # ☐ Intact ☐ Not Intact	Preserved where applicable ☐ Therm. ID:	On Ice ☒ Cooler Temp. 3.7, 3.8

7.1
7

DA74480: Chain of Custody
Page 1 of 2
SGS Dayton, NJ

SGS Sample Receipt Summary

Job Number: DA74480 **Client:** **Project:**

Date / Time Received: 8/21/2025 9:30:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (3.7); Cooler 2: (2.8);

Cooler Temps (Corrected) °C: Cooler 1: (3.8); Cooler 2: (2.9);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR-50		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	2		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

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DA74480: Chain of Custody
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General Chemistry

QC Data Summaries

(SGS Dayton, NJ)

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA74480
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chromium, Hexavalent	GP63543/GN72916	0.40	0.0	mg/kg	40	40.0	100.0	80-120%
Chromium, Hexavalent	GP63543/GN72916			mg/kg	804	827	102.8	80-120%

Associated Samples:
Batch GP63543: DA74480-1, DA74480-2, DA74480-3, DA74480-4, DA74480-5
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA74480
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chromium, Hexavalent	GP63543/GN72916	DA74473-42	mg/kg	0.0	0.0	0.0	0-20%

Associated Samples:
Batch GP63543: DA74480-1, DA74480-2, DA74480-3, DA74480-4, DA74480-5
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA74480
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: CONCCOGJ: Lucci B# 1-21/Lucci B# 1-20

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chromium, Hexavalent	GP63543/GN72916	DA74473-42	mg/kg	0.0	42.3	45.8	108.1(a)	75-125%
Chromium, Hexavalent	GP63543/GN72916	DA74473-42	mg/kg	0.0	752	758	100.8(b)	75-125%

Associated Samples:
Batch GP63543: DA74480-1, DA74480-2, DA74480-3, DA74480-4, DA74480-5
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Good recovery on soluble XCR matrix spike. Good recovery (106%) on the post-spike.
(b) Good recovery on insoluble XCR matrix spike. See additional comments on soluble matrix spike recovery.