The results set forth herein are provided by SGS North America Inc.

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Automated Report

Technical Report for

Chevron USA, Inc.

TASMCOA: Bernhardt 18-1

10800 PO#UWRWE-A5321-AES

SGS Job Number: DA75867

Sampling Date: 10/02/25

Report to:

Chevron USA, Inc.
2115 117th Avenue
Greeley, CO 80634
nam.ehs.table915@sgs.com

ATTN: Dan Peterson

Total number of pages in report: 66

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

Client Service contact: Parna Payandeh 303-425-6021
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)

Sections: 1 2 3 4 5 6 7 8 9 10 11

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Sample Summary

Chevron USA, Inc.

Job No: DA75867

TASMCOA: Bernhardt 18-1
Project No: 10800 PO#UWRWE-A5321-AES

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
DA75867-1	10/02/25	12:05	EG	10/02/25	SO	Soil	FL01R-S@4'
DA75867-1A	10/02/25	12:05	EG	10/02/25	SO	Soil	FL01R-S@4'
DA75867-1B	10/02/25	12:05	EG	10/02/25	SO	Soil	FL01R-S@4'

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

2

Summary of Hits

Job Number: DA75867
Account: Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1
Collected: 10/02/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA75867-1	**FL01R-S@4'**					
Arsenic		4.8	0.14		mg/kg	SW846 6020B
Barium		144	1.4		mg/kg	SW846 6020B
Cadmium		0.18	0.068		mg/kg	SW846 6020B
Copper		10.6	1.4		mg/kg	SW846 6020B
Lead		8.9	0.34		mg/kg	SW846 6020B
Nickel		12.1	1.4		mg/kg	SW846 6020B
Selenium		0.21	0.14		mg/kg	SW846 6020B
Zinc		40.0	6.8		mg/kg	SW846 6020B
pH		8.21			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.36	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA75867-1A	**FL01R-S@4'**					
Calcium		33.0	6.0		mg/l	SW846 6010C
Magnesium		28.3	3.0		mg/l	SW846 6010C
Sodium		10.7	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		0.330			ratio	USDA HANDBOOK 60
DA75867-1B	**FL01R-S@4'**					

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:	FL01R-S@4'		
Lab Sample ID:	DA75867-1	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
Method:	SW846 8260D	**Percent Solids:**	83.2
Project:	TASMCOA: Bernhardt 18-1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V95108.D	1	10/03/25 20:25	MB	n/a	n/a	V5V4522
Run #2							

	Initial Weight	Final Volume
Run #1	5.19 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	< 0.0012	0.0012	mg/kg	
100-41-4	Ethylbenzene	< 0.0023	0.0023	mg/kg	
108-88-3	Toluene	< 0.0023	0.0023	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	< 0.0023	0.0023	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	< 0.0023	0.0023	mg/kg	
	m,p-Xylene	< 0.0023	0.0023	mg/kg	
95-47-6	o-Xylene	< 0.0023	0.0023	mg/kg	
1330-20-7	Xylene (total)	< 0.0023	0.0023	mg/kg	
	TPH-GRO (C6-C10)	< 0.23	0.23	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		70-130%
2037-26-5	Toluene-D8	96%		70-130%
460-00-4	4-Bromofluorobenzene	97%		70-130%
17060-07-0	1,2-Dichloroethane-D4	104%		70-130%

RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FL01R-S@4'		
Lab Sample ID:	DA75867-1	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	83.2
Project:	TASMCOA: Bernhardt 18-1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G60938.D	1	10/05/25 11:30	ZL	10/04/25 12:00	OP28778	E3G2927
Run #2							

	Initial Weight	Final Volume
Run #1	5.2 g	10.0 ml
Run #2		

COGCC Table 915-1 PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	< 0.0046	0.0046	mg/kg	
120-12-7	Anthracene	< 0.0046	0.0046	mg/kg	
56-55-3	Benzo(a)anthracene	< 0.0058	0.0058	mg/kg	
205-99-2	Benzo(b)fluoranthene	< 0.0046	0.0046	mg/kg	
207-08-9	Benzo(k)fluoranthene	< 0.0046	0.0046	mg/kg	
50-32-8	Benzo(a)pyrene	< 0.0046	0.0046	mg/kg	
218-01-9	Chrysene	< 0.0046	0.0046	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	< 0.0046	0.0046	mg/kg	
206-44-0	Fluoranthene	< 0.0046	0.0046	mg/kg	
86-73-7	Fluorene	< 0.0046	0.0046	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	< 0.0046	0.0046	mg/kg	
90-12-0	1-Methylnaphthalene	< 0.0046	0.0046	mg/kg	
91-57-6	2-Methylnaphthalene	< 0.0046	0.0046	mg/kg	
91-20-3	Naphthalene	< 0.0023	0.0023	mg/kg	
129-00-0	Pyrene	< 0.0046	0.0046	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	75%		22-138%
4165-60-0	Nitrobenzene-d5	84%		32-143%
1718-51-0	Terphenyl-d14	77%		48-149%

RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FL01R-S@4'		
Lab Sample ID:	DA75867-1	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	83.2
Project:	TASMCOA: Bernhardt 18-1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FH080941.D	1	10/07/25 06:21	JB	10/03/25 10:30	OP28788	GFH24010
Run #2							

	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	< 4.8	4.8	mg/kg	
	TPH-ORO (> C28-C36)	< 7.1	7.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	108%		20-142%

RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: FL01R-S@4'
Lab Sample ID: DA75867-1
Matrix: SO - Soil
Project: TASMCOA: Bernhardt 18-1

Date Sampled: 10/02/25
Date Received: 10/02/25
Percent Solids: 83.2

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	4.8	0.14	mg/kg	10	10/03/25	10/07/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	144	1.4	mg/kg	10	10/03/25	10/07/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.18	0.068	mg/kg	10	10/03/25	10/07/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	10.6	1.4	mg/kg	10	10/03/25	10/07/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	8.9	0.34	mg/kg	10	10/03/25	10/07/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	12.1	1.4	mg/kg	10	10/03/25	10/07/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	0.21	0.14	mg/kg	10	10/03/25	10/07/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.068	0.068	mg/kg	10	10/03/25	10/07/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	40.0	6.8	mg/kg	10	10/03/25	10/07/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19698
(2) Prep QC Batch: MP43367

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FL01R-S@4'		
Lab Sample ID:	DA75867-1	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
		Percent Solids:	83.2
Project:	TASMCOA: Bernhardt 18-1		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	83.2		%	1	10/03/25	AZ	SM2540G-2011 M
pH-saturated paste method							
pH	8.21		su	1	10/06/25 10:35	SN	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.36	0.0010	mmhos/cm	1	10/06/25 13:00	SN	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.49	0.49	mg/kg	1	10/31/25 13:59	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FL01R-S@4'		
Lab Sample ID:	DA75867-1A	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
		Percent Solids:	83.2
Project:	TASMCOA: Bernhardt 18-1		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	33.0	6.0	mg/l	1	10/06/25	10/14/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	28.3	3.0	mg/l	1	10/06/25	10/14/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	10.7	6.0	mg/l	1	10/06/25	10/14/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19725
(2) Prep QC Batch: MP43411

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FL01R-S@4'		
Lab Sample ID:	DA75867-1A	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
		Percent Solids:	83.2
Project:	TASMCOA: Bernhardt 18-1		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.330		ratio	1	10/14/25 13:37	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:	FL01R-S@4'		
Lab Sample ID:	DA75867-1B	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
		Percent Solids:	83.2
Project:	TASMCOA: Bernhardt 18-1		

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	10/07/25	10/09/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19711
(2) Prep QC Batch: MP43366

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SGS

CHAIN OF CUSTODY

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

Bottle Order Control #	FED-EX Tracking #
SGS Quote #	SGS Job # DA75867

Client / Reporting Information		Project Information			
Company:	Tasman / PDC	Project Name:	Bernhardt 18-1	Check Box if Project Report to Division of Oil and Public Safety (OPS): ☐	
Street:	4725 Independence St.	Street:		Billing Information (if different from Report to)	
City, State ZIP:	Wheat Ridge / CO / 80023	City, State ZIP:	CO	Company:	PDC
Project Contact:	Dan Peterson	Project #:	10800	Street Address:	
Phone:	303-487-1228	Client Purchase Order #:	UWE RWE-A5321-AES	City, State ZIP:	
Email:	danpeterson@chevron.com; tas-chevron-2@tasman-geo.com; rbueuf27@chevron.com				
Sampler(s) Name(s):	E. Gooding-Lord	Project Manager:	Jesse Marcus (jmarcus@tasman-geo.com)	Attention:	Dan Peterson

Requested Analysis (see TEST CODE sheet)

	Field ID / Point of Collection	Date	Time	Sampled by	Matrix	# of bottles	NONE	HCl	NaOH	HNO3	H2SO4	DI Water	MeOH	ENCORE	Na2S2O3	Na2SO3	915-VOC	915-PAH	915-TPH	pH, EC, SAR, Boron	915-Metals	Chlorides (Cl), Sulfates (SO4)	Total Dissolved Solids (TDS)	LAB USE ONLY
c1	FL01R-S@4'	10/2/25	1205	EG	SO	3	3										X	X	X	X	X			

Collection columns: Date, Time, Sampled by. Number of preserved Bottles: NONE, HCl, NaOH, HNO3, H2SO4, DI Water, MeOH, ENCORE, Na2S2O3, Na2SO3.

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
D=dissolved metals
PD=Potentially dissolved
TR=Total recoverable

Turnaround Time (Business days)

- ☒ 10 Business Days
- ☐ 5 Business Days
- ☐ 3 Business Days RUSH
- ☐ 2 Business Days RUSH
- ☐ 1 Business Day EMERGENCY

Emergency & Rush T/A data available via Email or LabLink. RUSH TAT approval needed.

Special Reporting Instructions

- ☐ Report in PPB
- ☐ Report in PPM
- ☐ Report MDLs

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 (Results/QC Summary/partial raw data)
- ☐ FULT1
- ☒ EDD Format Tasman

Comments / Special Instructions

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

Relinquished by Sampler/Affiliation:	Date/Time:	Received By/Affiliation:	Relinquished By/Affiliation:	Date/Time:	Received By/Affiliation:
1 E. Gooding-Lord	10/2/25 1440	1 [signature]	2		2
Relinquished by/Affiliation: 3	Date/Time:	Received By/Affiliation: 3	Relinquished By/Affiliation: 4	Date/Time:	Received By/Affiliation: 4

Custody Seal #: Intact ☒ Not intact ☐ Absent ☐ | Preserved where applicable ☒ | Cooler Temp. °C (corrected): 3.6 Therm. ID: TW1 | On Ice ☐

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

FORM: EHSA-QAC-0027-03-FORM-Wheat Ridge - COC: RV 2/20/2025

DA75867: Chain of Custody
Page 1 of 2

SGS Sample Receipt Summary

Job Number: da75867 **Client:** TASMAN **Project:** BERNHARDT 18-1

Date / Time Received: 10/2/2025 2:40:00 PM **Delivery Method:** hd **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (3.6);

Cooler Temps (Corrected) °C: Cooler 1: (3.6);

Cooler Information	Y	or	N
1. Custody Seals Present:	☑		☐
2. Custody Seals Intact:	☑		☐
3. Temp criteria achieved:	☑		☐
4. Cooler temp verification:	IR Gun		
5. Cooler media:	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑

	W	or	S	N/A
3. Type of TB Received	☐		☐	☑

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles:	☑		☐	
2. Samples presented properly	☑		☐	
3. Suffiient volume/containers recv'd for analysi	☑		☐	
4. Condition of sample:	Intact			
5. Sample recv'd within HT	☑		☐	
6. Dates/Times/IDs on COC match sample labe	☑		☐	
7. VOCs have headspace	☐		☐	☑
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☑	☐
11. % Solids Jar Received?	☐		☑	☐
12. Residual Chlorine Present?	☐		☐	☑

Misc Information

Number of Encores: 25 Gram 5 Gram Number of Lab Filtered Metals:

Test Strip Lot #s: pH 0-3: pH 10-12: Other: (Specify)

Residual Chlorine Test Strip Lot #

Comments VOA Sample moved to Freezer by 7:00pm on 10/2/2025

SM001
Rev. Date 05/04/17

Technician: DONM Date: 10/2/2025 2:48:04 PM Reviewer: Date:

MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: DA75867
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V4522-MB	5V95090.D	1	10/03/25	MB	n/a	n/a	V5V4522

The QC reported here applies to the following samples: **Method:** SW846 8260D

DA75867-1

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	ug/kg	
108-88-3	Toluene	ND	2.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	ug/kg	
	m,p-Xylene	ND	2.0	ug/kg	
95-47-6	o-Xylene	ND	2.0	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	ug/kg	
	TPH-GRO (C6-C10)	ND	200	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	70-130%
2037-26-5	Toluene-D8	96%	70-130%
460-00-4	4-Bromofluorobenzene	99%	70-130%
17060-07-0	1,2-Dichloroethane-D4	108%	70-130%

Blank Spike Summary

Job Number: DA75867
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V4522-BS	5V95088.D	1	10/03/25	MB	n/a	n/a	V5V4522

The QC reported here applies to the following samples: **Method:** SW846 8260D

DA75867-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	51.5	103	70-130
100-41-4	Ethylbenzene	50	55.0	110	70-130
108-88-3	Toluene	50	52.8	106	70-130
95-63-6	1,2,4-Trimethylbenzene	50	56.7	113	70-134
108-67-8	1,3,5-Trimethylbenzene	50	56.2	112	70-134
	m,p-Xylene	100	110	110	70-130
95-47-6	o-Xylene	50	56.8	114	70-136
1330-20-7	Xylene (total)	150	166	111	70-131

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	94%	70-130%
2037-26-5	Toluene-D8	97%	70-130%
460-00-4	4-Bromofluorobenzene	94%	70-130%
17060-07-0	1,2-Dichloroethane-D4	98%	70-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA75867
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V4522-BS	5V95089.D	1	10/03/25	MB	n/a	n/a	V5V4522

The QC reported here applies to the following samples: **Method:** SW846 8260D

DA75867-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
	TPH-GRO (C6-C10)	2000	2800	140	64-144

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	94%	70-130%
2037-26-5	Toluene-D8	96%	70-130%
460-00-4	4-Bromofluorobenzene	97%	70-130%
17060-07-0	1,2-Dichloroethane-D4	101%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA75867
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA75853-4MS	5V95093.D	1	10/03/25	MB	n/a	n/a	V5V4522
DA75853-4MSD	5V95094.D	1	10/03/25	MB	n/a	n/a	V5V4522
DA75853-4	5V95091.D	1	10/03/25	MB	n/a	n/a	V5V4522

The QC reported here applies to the following samples: **Method:** SW846 8260D

DA75867-1

CAS No.	Compound	DA75853-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	< 1.1		55.5	49.7	90	55.7	50.2	90	1	44-150/44
100-41-4	Ethylbenzene	< 2.1		55.5	50.1	90	55.7	50.5	91	1	41-149/49
108-88-3	Toluene	< 2.1		55.5	48.4	87	55.7	49.1	88	1	40-149/47
95-63-6	1,2,4-Trimethylbenzene	< 2.1		55.5	51.8	93	55.7	52.2	94	1	26-164/57
108-67-8	1,3,5-Trimethylbenzene	< 2.1		55.5	51.1	92	55.7	51.9	93	2	30-161/60
	m,p-Xylene	< 2.1		111	100	90	111	100	90	0	36-152/49
95-47-6	o-Xylene	< 2.1		55.5	52.1	94	55.7	51.7	93	1	33-168/49
1330-20-7	Xylene (total)	< 2.1		166	152	91	167	152	91	0	36-157/49

CAS No.	Surrogate Recoveries	MS	MSD	DA75853-4	Limits
1868-53-7	Dibromofluoromethane	97%	97%	100%	70-130%
2037-26-5	Toluene-D8	96%	96%	95%	70-130%
460-00-4	4-Bromofluorobenzene	95%	96%	99%	70-130%
17060-07-0	1,2-Dichloroethane-D4	103%	105%	104%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA75867
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA75853-5MS	5V95095.D	1	10/03/25	MB	n/a	n/a	V5V4522
DA75853-5MSD	5V95096.D	1	10/03/25	MB	n/a	n/a	V5V4522
DA75853-5	5V95092.D	1	10/03/25	MB	n/a	n/a	V5V4522

The QC reported here applies to the following samples: **Method:** SW846 8260D

DA75867-1

CAS No.	Compound	DA75853-5 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	< 210		2170	2350	108	2180	2200	101	7	18-158/83

CAS No.	Surrogate Recoveries	MS	MSD	DA75853-5	Limits
1868-53-7	Dibromofluoromethane	96%	96%	100%	70-130%
2037-26-5	Toluene-D8	97%	96%	95%	70-130%
460-00-4	4-Bromofluorobenzene	97%	98%	97%	70-130%
17060-07-0	1,2-Dichloroethane-D4	104%	103%	104%	70-130%

* = Outside of Control Limits.

MS Semi-volatiles

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QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: DA75867
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28778-MB	3G60918.D	1	10/05/25	ZL	10/04/25	OP28778	E3G2927

The QC reported here applies to the following samples: **Method:** SW846 8270E

DA75867-1

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	4.0	ug/kg	
120-12-7	Anthracene	ND	4.0	ug/kg	
56-55-3	Benzo(a)anthracene	ND	5.0	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	4.0	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	4.0	ug/kg	
50-32-8	Benzo(a)pyrene	ND	4.0	ug/kg	
218-01-9	Chrysene	ND	4.0	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	4.0	ug/kg	
206-44-0	Fluoranthene	ND	4.0	ug/kg	
86-73-7	Fluorene	ND	4.0	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.0	ug/kg	
90-12-0	1-Methylnaphthalene	ND	4.0	ug/kg	
91-57-6	2-Methylnaphthalene	ND	4.0	ug/kg	
91-20-3	Naphthalene	ND	2.0	ug/kg	
129-00-0	Pyrene	ND	4.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
321-60-8	2-Fluorobiphenyl	92%	22-138%
4165-60-0	Nitrobenzene-d5	93%	32-143%
1718-51-0	Terphenyl-d14	93%	48-149%

Blank Spike Summary

Job Number: DA75867
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28778-BS	3G60919.D	1	10/05/25	ZL	10/04/25	OP28778	E3G2927

The QC reported here applies to the following samples: **Method:** SW846 8270E

DA75867-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
83-32-9	Acenaphthene	200	203	102	46-152
120-12-7	Anthracene	200	218	109	65-147
56-55-3	Benzo(a)anthracene	200	230	115	64-144
205-99-2	Benzo(b)fluoranthene	200	232	116	70-154
207-08-9	Benzo(k)fluoranthene	200	199	100	70-158
50-32-8	Benzo(a)pyrene	200	219	110	64-159
218-01-9	Chrysene	200	209	105	70-156
53-70-3	Dibenzo(a,h)anthracene	200	214	107	63-156
206-44-0	Fluoranthene	200	215	108	62-155
86-73-7	Fluorene	200	206	103	55-151
193-39-5	Indeno(1,2,3-cd)pyrene	200	218	109	67-156
90-12-0	1-Methylnaphthalene	200	189	95	21-168
91-57-6	2-Methylnaphthalene	200	188	94	18-161
91-20-3	Naphthalene	200	181	91	2-173
129-00-0	Pyrene	200	222	111	61-158

CAS No.	Surrogate Recoveries	BSP	Limits
321-60-8	2-Fluorobiphenyl	85%	22-138%
4165-60-0	Nitrobenzene-d5	87%	32-143%
1718-51-0	Terphenyl-d14	88%	48-149%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA75867
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28778-MS	3G60920.D	1	10/05/25	ZL	10/04/25	OP28778	E3G2927
OP28778-MSD	3G60921.D	1	10/05/25	ZL	10/04/25	OP28778	E3G2927
DA75853-1	3G60922.D	1	10/05/25	ZL	10/04/25	OP28778	E3G2927

The QC reported here applies to the following samples: **Method:** SW846 8270E

DA75867-1

CAS No.	Compound	DA75853-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	< 4.6		237	252	106	228	232	102	8	30-148/32
120-12-7	Anthracene	< 4.6		237	263	111	228	242	106	8	40-148/33
56-55-3	Benzo(a)anthracene	< 5.8		237	270	114	228	248	109	8	44-144/32
205-99-2	Benzo(b)fluoranthene	< 4.6		237	284	120	228	260	114	9	36-166/43
207-08-9	Benzo(k)fluoranthene	< 4.6		237	241	102	228	220	97	9	43-165/41
50-32-8	Benzo(a)pyrene	< 4.6		237	264	111	228	238	104	10	41-161/37
218-01-9	Chrysene	< 4.6		237	247	104	228	220	97	12	52-152/32
53-70-3	Dibenzo(a,h)anthracene	< 4.6		237	263	111	228	248	109	6	42-155/36
206-44-0	Fluoranthene	< 4.6		237	262	111	228	238	104	10	40-151/34
86-73-7	Fluorene	< 4.6		237	254	107	228	235	103	8	34-149/34
193-39-5	Indeno(1,2,3-cd)pyrene	< 4.6		237	263	111	228	246	108	7	41-156/37
90-12-0	1-Methylnaphthalene	< 4.6		237	220	93	228	216	95	2	23-149/36
91-57-6	2-Methylnaphthalene	< 4.6		237	225	95	228	213	93	5	18-144/35
91-20-3	Naphthalene	< 2.3		237	210	89	228	203	89	3	18-150/32
129-00-0	Pyrene	< 4.6		237	260	110	228	242	106	7	38-156/33

CAS No.	Surrogate Recoveries	MS	MSD	DA75853-1	Limits
321-60-8	2-Fluorobiphenyl	76%	79%	79%	22-138%
4165-60-0	Nitrobenzene-d5	81%	87%	85%	32-143%
1718-51-0	Terphenyl-d14	84%	89%	91%	48-149%

* = Outside of Control Limits.

GC/LC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: DA75867
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28788-MB	FH080934.D	1	10/07/25	JB	10/03/25	OP28788	GFH24010

The QC reported here applies to the following samples: **Method:** SW846-8015C

DA75867-1

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	ND	4.0	mg/kg	
	TPH-ORO (> C28-C36)	ND	6.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	93%	20-142%

Blank Spike Summary

Job Number: DA75867
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28788-BS1	FH080935.D	1	10/07/25	JB	10/03/25	OP28788	GFH24010

The QC reported here applies to the following samples: **Method:** SW846-8015C

DA75867-1

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	200	187	94	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	108%	20-142%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA75867
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28788-BS2	FH080936.D	1	10/07/25	JB	10/03/25	OP28788	GFH24010

The QC reported here applies to the following samples: **Method:** SW846-8015C

DA75867-1

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-ORO (> C28-C36)	200	195	98	70-138

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	99%	20-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA75867
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28788-MS1	FH080937.D	1	10/07/25	JB	10/03/25	OP28788	GFH24010
OP28788-MSD1	FH080938.D	1	10/07/25	JB	10/03/25	OP28788	GFH24010
DA75867-1	FH080941.D	1	10/07/25	JB	10/03/25	OP28788	GFH24010

The QC reported here applies to the following samples: **Method:** SW846-8015C

DA75867-1

CAS No.	Compound	DA75867-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	< 4.8		239	248	104	233	234	100	6	59-130/30

CAS No.	Surrogate Recoveries	MS	MSD	DA75867-1	Limits
84-15-1	o-Terphenyl	113%	108%	108%	20-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA75867
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28788-MS2	FH080939.D	1	10/07/25	JB	10/03/25	OP28788	GFH24010
OP28788-MSD2	FH080940.D	1	10/07/25	JB	10/03/25	OP28788	GFH24010
DA75868-1	FH080942.D	1	10/07/25	JB	10/03/25	OP28788	GFH24010

The QC reported here applies to the following samples: **Method:** SW846-8015C

DA75867-1

CAS No.	Compound	DA75868-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-ORO (> C28-C36)	< 7.3		239	260	109	240	252	105	3	70-153/30

CAS No.	Surrogate Recoveries	MS	MSD	DA75868-1	Limits
84-15-1	o-Terphenyl	108%	106%	97%	20-142%

* = Outside of Control Limits.

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: DA75867
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

QC Batch ID: MP43366
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/07/25

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	7.5	<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 MP43366: DA75867-1B

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA75867
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

QC Batch ID: MP43366
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/07/25

Metal	RL	IDL	MDL	MB raw	final

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75867
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

QC Batch ID: MP43366
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			10/07/25					10/07/25	
Metal	DA75868-3B Original	DUP	RPD	QC Limits	DA75868-3B Original	MS	Spikelot ICPALL6	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Boron	745	778	4.3	0-20	745	11300	10000	105.6	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 MP43366: DA75867-1B

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75867
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

QC Batch ID: MP43366
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/07/25 10/07/25

Metal	DA75868-3B Original DUP	RPD	QC Limits	DA75868-3B 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: DA75867
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

QC Batch ID: MP43366
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/07/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	9200	10000	92.0	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 MP43366: DA75867-1B

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA75867
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

QC Batch ID: MP43366
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/07/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits

(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA75867
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

QC Batch ID: MP43366
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/07/25

Metal	DA75868-3B Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	149	134	9.7	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 MP43366: DA75867-1B

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA75867
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

QC Batch ID: MP43366 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/07/25

	DA75868-3B		QC
Metal	Original SDL 1:5	%DIF	Limits

(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA75867
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

QC Batch ID: MP43367
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 10/03/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	50	.52	5		
Antimony	0.40	.01	.05		
Arsenic	0.20	.05	.05	0.0084	<0.20
Barium	2.0	.096	.24	0.058	<2.0
Beryllium	0.20	.077	.04		
Boron	40	18	10		
Cadmium	0.10	.03	.04	0.0035	<0.10
Calcium	400	25	30		
Chromium	2.0	.087	.6		
Cobalt	0.20	.04	.025		
Copper	2.0	.05	.25	0.0044	<2.0
Iron	20	1.6	15		
Lead	0.50	.094	.2	0.019	<0.50
Magnesium	100	10	10		
Manganese	1.0	.079	.2		
Molybdenum	1.0	.037	.27		
Nickel	2.0	.098	.2	-0.22	<2.0
Phosphorus	60	7.6	25		
Potassium	200	2	25		
Selenium	0.20	.05	.05	0.012	<0.20
Silver	0.10	.0081	.03	0.00062	<0.10
Sodium	500	10	30		
Strontium	20	.1	1		
Thallium	0.20	.032	.04		
Tin	10	.22	4		
Titanium	2.0	.05	.3		
Uranium	0.20	.015	.1		
Vanadium	1.0	.14	.2		
Zinc	10	.05	1	0.16	<10

Associated samples MP43367: DA75867-1

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: DA75867
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

QC Batch ID: MP43367
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 10/03/25

Metal	DA75868-3 Original	MS	Spikelot ICPMS6	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	2.6	75.8	84.2	87.0	75-125
Barium	19.8	184	168	97.5	75-125
Beryllium					
Boron					
Cadmium	0.11	43.1	42.1	102.1	75-125
Calcium					
Chromium					
Cobalt					
Copper	17.9	56.8	42.1	92.4	75-125
Iron					
Lead	14.6	99.6	84.2	101.0	75-125
Magnesium					
Manganese					
Molybdenum					
Nickel	4.9	42.2	42.1	88.6	75-125
Phosphorus					
Potassium					
Selenium	0.33	72.8	84.2	86.1	75-125
Silver	0.036	16.9	16.8	100.2	75-125
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc	47.9	86.5	42.1	91.7	75-125

Associated samples MP43367: DA75867-1

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: DA75867
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

QC Batch ID: MP43367
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 10/03/25

Metal	DA75868-3 Original	MSD	Spikelot ICPMS6	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	2.6	82.6	91.1	87.8	8.6	20
Barium	19.8	200	182	98.9	8.3	20
Beryllium						
Boron						
Cadmium	0.11	46.5	45.6	101.8	7.6	20
Calcium						
Chromium						
Cobalt						
Copper	17.9	59.6	45.6	91.5	4.8	20
Iron						
Lead	14.6	105	91.1	99.2	5.3	20
Magnesium						
Manganese						
Molybdenum						
Nickel	4.9	45.6	45.6	89.3	7.7	20
Phosphorus						
Potassium						
Selenium	0.33	80.1	91.1	87.5	9.5	20
Silver	0.036	18.3	18.2	100.2	8.0	20
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc	47.9	86.4	45.6	84.5	0.1	20

Associated samples MP43367: DA75867-1

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: DA75867
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

QC Batch ID: MP43367
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 10/03/25

Metal	BSP Result	Spikelot ICPMS6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	102	100	102.0	80-120
Barium	198	200	99.0	80-120
Beryllium				
Boron				
Cadmium	51.8	50	103.6	80-120
Calcium				
Chromium				
Cobalt				
Copper	51.5	50	103.0	80-120
Iron				
Lead	102	100	102.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel	50.9	50	101.8	80-120
Phosphorus				
Potassium				
Selenium	101	100	101.0	80-120
Silver	20.5	20	102.5	80-120
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	51.1	50	102.2	80-120

Associated samples MP43367: DA75867-1

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA75867
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

QC Batch ID: MP43367
Matrix Type: SOLID

Methods: SW846 6020B
Units: ug/l

Prep Date: 10/03/25

Metal	DA75868-3 Original	SDL 10:50	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	34.7	38.3	10.3	0-20
Barium	265	280	5.5	0-20
Beryllium				
Boron				
Cadmium	1.41	0.00	100.0(a)	0-20
Calcium				
Chromium				
Cobalt				
Copper	239	258	8.2	0-20
Iron				
Lead	195	196	0.8	0-20
Magnesium				
Manganese				
Molybdenum				
Nickel	66.0	61.3	7.0	0-20
Phosphorus				
Potassium				
Selenium	4.37	5.88	34.4 (a)	0-20
Silver	0.482	0.436	9.5	0-20
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	641	690	7.7	0-20

Associated samples MP43367: DA75867-1

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: DA75867
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

QC Batch ID: MP43411
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/06/25

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	-670	<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	-21	<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	227	<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 MP43411: DA75867-1A

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA75867
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

QC Batch ID: MP43411
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/06/25

Metal	RL	IDL	MDL	MB raw	final

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75867
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

QC Batch ID: MP43411 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/06/25

Metal	DA75853-4A Original	MS	Spikelot ICPALL6	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium	31900	422000	375000	104.0	75-125
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Lithium					
Magnesium	6880	394000	375000	103.2	75-125
Manganese					
Molybdenum					
Nickel					
Phosphorus					
Potassium					
Selenium					
Silicon					
Silver					
Sodium	3070	388000	375000	102.6	75-125
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc					

Associated samples MP43411: DA75867-1A

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75867
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

QC Batch ID: MP43411 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/06/25

Metal	DA75853-4A Original MS	Spikelot ICPALL6	% Rec	QC Limits

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75867
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

QC Batch ID: MP43411 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/06/25

Metal	DA75853-4A Original	MSD	Spikelot ICPALL6	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium	31900	428000	375000	105.6	1.4	20
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Lithium						
Magnesium	6880	400000	375000	104.8	1.5	20
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium						
Silicon						
Silver						
Sodium	3070	391000	375000	103.4	0.8	20
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc						

Associated samples MP43411: DA75867-1A

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75867
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

QC Batch ID: MP43411 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/06/25

Metal	DA75853-4A Original MSD	Spikelot ICPALL6 % Rec	MSD RPD	QC Limit

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA75867
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

QC Batch ID: MP43411
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/06/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	391000	375000	104.3	80-120
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	389000	375000	103.7	80-120
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	386000	375000	102.9	80-120
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP43411: DA75867-1A

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA75867
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

QC Batch ID: MP43411
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/06/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits

(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA75867
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

QC Batch ID: MP43411 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/06/25

Metal	DA75853-4A Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	2120	1910	10.1*(a)	0-10
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	459	494	7.6	0-10
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	205	223	8.9	0-10
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP43411: DA75867-1A

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA75867
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

QC Batch ID: MP43411 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/06/25

	DA75853-4A		QC
Metal	Original SDL 1:5	%DIF	Limits

(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.

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: DA75867
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Specific Conductivity	GP39620/GN69581			mmhos/cm	1.409	1.5	104.5	90-110%

Associated Samples:
Batch GP39620: DA75867-1
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA75867
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 18-1

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GP39620/GN69581	DA75842-4	mmhos/cm	0.63	0.62	2.6	0-20%
pH	GN69572	DA75842-4	su	7.90	7.91	0.1	0-5%

Associated Samples:
Batch GN69572: DA75867-1
Batch GP39620: DA75867-1
(*) Outside of QC limits

Misc. Forms

Custody Documents and Other Forms

(SGS Dayton, NJ)

Includes the following where applicable:

- Chain of Custody

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

SO

FED-EX Tracking # 7444-9078-9300 | Bottle Order Control #
SGS Quote # | SGS Job # DA75867

Client / Reporting Information

Company Name: SGS North America Inc.
Street Address: 4036 Youngfield Street
City State Zip: Wheat Ridge, CO 8003:
Project Contact E-mail: parna.eskandaripayandeh@sgs.com
Phone # 303-425-6021 Fax #
Sampler(s) Name(s) EG Phone

Project Information

Project Name: TASMCOA: Bernhardt 18-1
Street
City State
Project # Client Purchase Order # Project Manager

Billing Information (if different from Report to)

Company Name
Street Address
City State Zip
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	FL01R-S@4'		10/2/25	12:05:00 PM	EG	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 10/13/2025

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

2%

Initial Assessment 10-2-25
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		10/2/25	Fedex	Fedex	10/04	
2						
3	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time: 11:30	Received By:
4						
5	Relinquished by:	Date Time:	Received By:	Custody Seal #	Intact / Not intact	Preserved where applicable / Therm. ID:	On Ice	Cooler Temp. 1.8

1150

10.1 10

DA75867: Chain of Custody
Page 1 of 2
SGS Dayton, NJ

SGS Sample Receipt Summary

Job Number: DA75867 **Client:** SGS NORTH AMERICA INC **Project:** TASMCOA: BERNHARDT 18-1

Date / Time Received: 10/4/2025 11:30:00 AM **Delivery Method:** FEDEX **Airbill #'s:** 7444-9078-9300

Cooler Temps (Raw Measured) °C: Cooler 1: (1.8);

Cooler Temps (Corrected) °C: Cooler 1: (1.9);

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:	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: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

10.1 10

DA75867: Chain of Custody
Page 2 of 2

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: DA75867
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA: Bernhardt 18-1

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chromium, Hexavalent	GP65146/GN75495	0.40	0.0	mg/kg	40	35.2	88.0	80-120%
Chromium, Hexavalent	GP65146/GN75495			mg/kg	1030	974	94.6	80-120%

Associated Samples:
Batch GP65146: DA75867-1
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA75867
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA: Bernhardt 18-1

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chromium, Hexavalent	GP65146/GN75495	JE22076-7	mg/kg	0.0	0.0	0.0	0-20%

Associated Samples:
Batch GP65146: DA75867-1
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA75867
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA: Bernhardt 18-1

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chromium, Hexavalent	GP65146/GN75495	JE22076-7	mg/kg	0.0	53	0.0	0.0N(a)	75-125%
Chromium, Hexavalent	GP65146/GN75495	JE22076-7	mg/kg	0.0	1340	1110	82.8(b)	75-125%

Associated Samples:
Batch GP65146: DA75867-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Soluble XCR matrix spike recovery indicates possible matrix interference. XXXX post spike recovery (____%) on this sample.
(b) Good recovery on insoluble XCR matrix spike. See additional comments on soluble matrix spike recovery.