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Automated Report

Technical Report for

Chevron USA, Inc.

TASMCOA: Bernhardt 21-1

10802

SGS Job Number: DA75926

Sampling Date: 10/06/25

Report to:

Chevron USA, Inc.
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ATTN: Lauren Hoff

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)

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Test results relate only to samples analyzed.

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Sample Summary

Chevron USA, Inc.

Job No: DA75926

TASMCOA: Bernhardt 21-1
Project No: 10802

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
DA75926-1	10/06/25	12:00 EG	10/06/25	SO	Soil	FL01R-S@4'
DA75926-1A	10/06/25	12:00 EG	10/06/25	SO	Soil	FL01R-S@4'
DA75926-1B	10/06/25	12:00 EG	10/06/25	SO	Soil	FL01R-S@4'

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

Summary of Hits

Job Number: DA75926
Account: Chevron USA, Inc.
Project: TASMCOA: Bernhardt 21-1
Collected: 10/06/25

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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DA75926-1 FL01R-S@4'

Toluene		0.0046	0.0023		mg/kg	SW846 8260D
m,p-Xylene		0.0035	0.0023		mg/kg	SW846 8260D
Xylene (total)		0.0048	0.0023		mg/kg	SW846 8260D
Arsenic		3.9	0.14		mg/kg	SW846 6020B
Barium		118	1.4		mg/kg	SW846 6020B
Cadmium		0.24	0.072		mg/kg	SW846 6020B
Copper		8.8	1.4		mg/kg	SW846 6020B
Lead		8.2	0.36		mg/kg	SW846 6020B
Nickel		9.6	1.4		mg/kg	SW846 6020B
Zinc		33.1	7.2		mg/kg	SW846 6020B
pH		8.19			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.21	0.0010		mmhos/cm	SM 2510B-2011 MOD

DA75926-1A FL01R-S@4'

Calcium		62.7	6.0		mg/l	SW846 6010C
Magnesium		11.4	3.0		mg/l	SW846 6010C
Sodium Adsorption Ratio ^a		0.110			ratio	USDA HANDBOOK 60

DA75926-1B FL01R-S@4'

No hits reported in this sample.

(a) Calculated as: $(Na \text{ meq/L}) / \sqrt{[(Ca \text{ meq/L}) + (Mg \text{ meq/L})/2]}$

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: FL01R-S@4'		
Lab Sample ID: DA75926-1		Date Sampled: 10/06/25
Matrix: SO - Soil		Date Received: 10/06/25
Method: SW846 8260D		Percent Solids: 87.4
Project: TASMCOA: Bernhardt 21-1		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V64864.D	1	10/08/25 04:47	MB	n/a	n/a	V6V3050
Run #2							

Run #	Initial Weight	Final Volume
Run #1	5.01 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	< 0.0011	0.0011	mg/kg	
100-41-4	Ethylbenzene	< 0.0023	0.0023	mg/kg	
108-88-3	Toluene	0.0046	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	0.0035	0.0023	mg/kg	
95-47-6	o-Xylene	< 0.0023	0.0023	mg/kg	
1330-20-7	Xylene (total)	0.0048	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	107%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	99%		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: DA75926-1	Date Sampled: 10/06/25
Matrix: SO - Soil	Date Received: 10/06/25
Method: SW846 8270E SW846 3570	Percent Solids: 87.4
Project: TASMCOA: Bernhardt 21-1	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G01201.D	1	10/09/25 00:14	TH	10/08/25 12:30	OP28813	E9G55
Run #2							

Run #	Initial Weight	Final Volume
Run #1	5.3 g	10.0 ml
Run #2		

COGCC Table 915-1 PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	< 0.0043	0.0043	mg/kg	
120-12-7	Anthracene	< 0.0043	0.0043	mg/kg	
56-55-3	Benzo(a)anthracene	< 0.0054	0.0054	mg/kg	
205-99-2	Benzo(b)fluoranthene	< 0.0043	0.0043	mg/kg	
207-08-9	Benzo(k)fluoranthene	< 0.0043	0.0043	mg/kg	
50-32-8	Benzo(a)pyrene	< 0.0043	0.0043	mg/kg	
218-01-9	Chrysene	< 0.0043	0.0043	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	< 0.0043	0.0043	mg/kg	
206-44-0	Fluoranthene	< 0.0043	0.0043	mg/kg	
86-73-7	Fluorene	< 0.0043	0.0043	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	< 0.0043	0.0043	mg/kg	
90-12-0	1-Methylnaphthalene	< 0.0043	0.0043	mg/kg	
91-57-6	2-Methylnaphthalene	< 0.0043	0.0043	mg/kg	
91-20-3	Naphthalene	< 0.0022	0.0022	mg/kg	
129-00-0	Pyrene	< 0.0043	0.0043	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	93%		22-138%
4165-60-0	Nitrobenzene-d5	100%		32-143%
1718-51-0	Terphenyl-d14	87%		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

3.1
3

Client Sample ID: FL01R-S@4'	
Lab Sample ID: DA75926-1	Date Sampled: 10/06/25
Matrix: SO - Soil	Date Received: 10/06/25
Method: SW846-8015C SW846 3570	Percent Solids: 87.4
Project: TASMCOA: Bernhardt 21-1	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FH081200.D	1	10/11/25 04:59	JB	10/08/25 15:00	OP28827	GFH24013
Run #2							

Run #	Initial Weight	Final Volume
Run #1	5.4 g	10.0 ml
Run #2		

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	< 4.2	4.2	mg/kg	
	TPH-ORO (> C28-C36)	< 6.4	6.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		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'		Date Sampled: 10/06/25
Lab Sample ID: DA75926-1		Date Received: 10/06/25
Matrix: SO - Soil		Percent Solids: 87.4
Project: TASMCOA: Bernhardt 21-1		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analized By	Method	Prep Method
Arsenic	3.9	0.14	mg/kg	10	10/07/25	10/16/25	CDL SW846 6020B ¹	SW846 3050B ²
Barium	118	1.4	mg/kg	10	10/07/25	10/16/25	CDL SW846 6020B ¹	SW846 3050B ²
Cadmium	0.24	0.072	mg/kg	10	10/07/25	10/16/25	CDL SW846 6020B ¹	SW846 3050B ²
Copper	8.8	1.4	mg/kg	10	10/07/25	10/16/25	CDL SW846 6020B ¹	SW846 3050B ²
Lead	8.2	0.36	mg/kg	10	10/07/25	10/16/25	CDL SW846 6020B ¹	SW846 3050B ²
Nickel	9.6	1.4	mg/kg	10	10/07/25	10/16/25	CDL SW846 6020B ¹	SW846 3050B ²
Selenium	< 0.14	0.14	mg/kg	10	10/07/25	10/16/25	CDL SW846 6020B ¹	SW846 3050B ²
Silver	< 0.072	0.072	mg/kg	10	10/07/25	10/16/25	CDL SW846 6020B ¹	SW846 3050B ²
Zinc	33.1	7.2	mg/kg	10	10/07/25	10/16/25	CDL SW846 6020B ¹	SW846 3050B ²

(1) Instrument QC Batch: MA19737

(2) Prep QC Batch: MP43435

RL = Reporting Limit

Report of Analysis

Client Sample ID: FL01R-S@4'	Date Sampled: 10/06/25
Lab Sample ID: DA75926-1	Date Received: 10/06/25
Matrix: SO - Soil	Percent Solids: 87.4
Project: TASMCOA: Bernhardt 21-1	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	87.4		%	1	10/07/25	LM	SM2540G-2011 M
pH-saturated paste method							
pH	8.19		su	1	10/07/25 14:20	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.21	0.0010	mmhos/cm	1	10/07/25 14:20	SG	SM 2510B-2011 MOD
Chromium, Hexavalent ^a	< 0.46	0.46	mg/kg	1	11/04/25 16:39	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: FL01R-S@4'		Date Sampled: 10/06/25
Lab Sample ID: DA75926-1A		Date Received: 10/06/25
Matrix: SO - Soil		Percent Solids: 87.4
Project: TASMCOA: Bernhardt 21-1		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Calcium	62.7	6.0	mg/l	1	10/07/25	10/10/25 BR	SW846 6010C ¹	USDA HANDBOOK 60 ³
Magnesium	11.4	3.0	mg/l	1	10/07/25	10/10/25 BR	SW846 6010C ¹	USDA HANDBOOK 60 ³
Sodium	< 6.0	6.0	mg/l	1	10/07/25	10/14/25 BR	SW846 6010C ²	USDA HANDBOOK 60 ³

- (1) Instrument QC Batch: MA19717
- (2) Instrument QC Batch: MA19730
- (3) Prep QC Batch: MP43441

RL = Reporting Limit

Report of Analysis

Client Sample ID: FL01R-S@4'		Date Sampled: 10/06/25
Lab Sample ID: DA75926-1A		Date Received: 10/06/25
Matrix: SO - Soil		Percent Solids: 87.4
Project: TASMCOA: Bernhardt 21-1		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio ^a	0.110		ratio	1	10/14/25 19:00	BR	USDA HANDBOOK 60

(a) Calculated as: $(Na \text{ meq/L}) / \sqrt{[(Ca \text{ meq/L}) + (Mg \text{ meq/L})/2]}$

RL = Reporting Limit

Report of Analysis

Client Sample ID: FL01R-S@4'		
Lab Sample ID: DA75926-1B		Date Sampled: 10/06/25
Matrix: SO - Soil		Date Received: 10/06/25
		Percent Solids: 87.4
Project: TASMCOA: Bernhardt 21-1		

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	10/08/25	10/10/25 BR	SW846 6010C ¹	HWS-B ²

(1) Instrument QC Batch: MA19716

(2) Prep QC Batch: MP43434

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SGS Sample Receipt Summary

Job Number: da75926

Client: TASMAN/PDC

Project: BERNHARDT 21-1

Date / Time Received: 10/6/2025 2:00:00 PM

Delivery Method: hd

Airbill #'s: _____

Cooler Temps (Raw Measured) °C: Cooler 1: (4.0);

Cooler Temps (Corrected) °C: Cooler 1: (4.0);

Cooler Informatio

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. Sufficient 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 #: pH 0-3: _____ pH 10-12: _____ Other: (Specify) _____
 Residual Chlorine Test Strip Lot: _____

Comments 8260 samples will be in freezer by 7PM 10/6/2025.

SM001

Rev. Date 05/04/17

Technician: TERRIM

Date: 10/6/2025 2:03:58 PM

Reviewer: _____

Date: _____

DA75926: Chain of Custody

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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: DA75926
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Bernhardt 21-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6V3050-MB	6V64852.D	1	10/08/25	MB	n/a	n/a	V6V3050

The QC reported here applies to the following samples:

Method: SW846 8260D

DA75926-1

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	111%	70-130%
2037-26-5	Toluene-D8	103%	70-130%
460-00-4	4-Bromofluorobenzene	103%	70-130%
17060-07-0	1,2-Dichloroethane-D4	103%	70-130%

Blank Spike Summary

Job Number: DA75926
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Bernhardt 21-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6V3050-BS	6V64850.D	1	10/07/25	MB	n/a	n/a	V6V3050

The QC reported here applies to the following samples:

Method: SW846 8260D

DA75926-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	40.7	81	70-130
100-41-4	Ethylbenzene	50	42.7	85	70-130
108-88-3	Toluene	50	41.9	84	70-130
95-63-6	1,2,4-Trimethylbenzene	50	49.5	99	70-134
108-67-8	1,3,5-Trimethylbenzene	50	49.8	100	70-134
	m,p-Xylene	100	85.5	86	70-130
95-47-6	o-Xylene	50	45.5	91	70-136
1330-20-7	Xylene (total)	150	131	87	70-131

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	108%	70-130%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	107%	70-130%
17060-07-0	1,2-Dichloroethane-D4	103%	70-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA75926
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Bernhardt 21-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6V3050-BS	6V64851.D	1	10/07/25	MB	n/a	n/a	V6V3050

The QC reported here applies to the following samples:

Method: SW846 8260D

DA75926-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
	TPH-GRO (C6-C10)	2000	1760	88	64-144

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	108%	70-130%
2037-26-5	Toluene-D8	101%	70-130%
460-00-4	4-Bromofluorobenzene	105%	70-130%
17060-07-0	1,2-Dichloroethane-D4	102%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA75926
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Bernhardt 21-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA75927-1MS	6V64855.D	1	10/08/25	MB	n/a	n/a	V6V3050
DA75927-1MSD	6V64856.D	1	10/08/25	MB	n/a	n/a	V6V3050
DA75927-1	6V64853.D	1	10/08/25	MB	n/a	n/a	V6V3050

The QC reported here applies to the following samples:

Method: SW846 8260D

DA75926-1

CAS No.	Compound	DA75927-1 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	< 1.0	49.7	46.6	94	49.8	47.1	95	1	44-150/44
100-41-4	Ethylbenzene	< 2.0	49.7	45.8	92	49.8	46.9	94	2	41-149/49
108-88-3	Toluene	< 2.0	49.7	47.1	95	49.8	47.3	95	0	40-149/47
95-63-6	1,2,4-Trimethylbenzene	< 2.0	49.7	51.1	103	49.8	51.8	104	1	26-164/57
108-67-8	1,3,5-Trimethylbenzene	< 2.0	49.7	52.2	105	49.8	52.7	106	1	30-161/60
	m,p-Xylene	< 2.0	99.4	91.1	92	99.6	91.8	92	1	36-152/49
95-47-6	o-Xylene	< 2.0	49.7	48.7	98	49.8	49.2	99	1	33-168/49
1330-20-7	Xylene (total)	< 2.0	149	140	94	149	141	94	1	36-157/49

CAS No.	Surrogate Recoveries	MS	MSD	DA75927-1	Limits
1868-53-7	Dibromofluoromethane	108%	107%	113%	70-130%
2037-26-5	Toluene-D8	101%	100%	102%	70-130%
460-00-4	4-Bromofluorobenzene	108%	109%	103%	70-130%
17060-07-0	1,2-Dichloroethane-D4	101%	101%	106%	70-130%

* = Outside of Control Limits.

5.3.1
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Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA75926
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Bernhardt 21-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA75927-3MS	6V64857.D	1	10/08/25	MB	n/a	n/a	V6V3050
DA75927-3MSD	6V64858.D	1	10/08/25	MB	n/a	n/a	V6V3050
DA75927-3	6V64854.D	1	10/08/25	MB	n/a	n/a	V6V3050

The QC reported here applies to the following samples:

Method: SW846 8260D

DA75926-1

CAS No.	Compound	DA75927-3 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	< 210	2040	1370	67	2110	1360	65	1	18-158/83

CAS No.	Surrogate Recoveries	MS	MSD	DA75927-3	Limits
1868-53-7	Dibromofluoromethane	102%	103%	104%	70-130%
2037-26-5	Toluene-D8	102%	101%	100%	70-130%
460-00-4	4-Bromofluorobenzene	105%	105%	105%	70-130%
17060-07-0	1,2-Dichloroethane-D4	98%	103%	105%	70-130%

* = Outside of Control Limits.

5.3.2
5

MS 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: DA75926
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Bernhardt 21-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28813-MB	9G01185.D	1	10/08/25	TH	10/08/25	OP28813	E9G55

The QC reported here applies to the following samples:

Method: SW846 8270E

DA75926-1

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	87%	22-138%
4165-60-0	Nitrobenzene-d5	80%	32-143%
1718-51-0	Terphenyl-d14	95%	48-149%

6.1.1
6

Blank Spike Summary

Job Number: DA75926
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Bernhardt 21-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28813-BS	9G01186.D	1	10/08/25	TH	10/08/25	OP28813	E9G55

The QC reported here applies to the following samples:

Method: SW846 8270E

DA75926-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
83-32-9	Acenaphthene	200	217	109	46-152
120-12-7	Anthracene	200	245	123	65-147
56-55-3	Benzo(a)anthracene	200	237	119	64-144
205-99-2	Benzo(b)fluoranthene	200	232	116	70-154
207-08-9	Benzo(k)fluoranthene	200	253	127	70-158
50-32-8	Benzo(a)pyrene	200	244	122	64-159
218-01-9	Chrysene	200	258	129	70-156
53-70-3	Dibenzo(a,h)anthracene	200	208	104	63-156
206-44-0	Fluoranthene	200	255	128	62-155
86-73-7	Fluorene	200	229	115	55-151
193-39-5	Indeno(1,2,3-cd)pyrene	200	210	105	67-156
90-12-0	1-Methylnaphthalene	200	207	104	21-168
91-57-6	2-Methylnaphthalene	200	202	101	18-161
91-20-3	Naphthalene	200	221	111	2-173
129-00-0	Pyrene	200	250	125	61-158

CAS No.	Surrogate Recoveries	BSP	Limits
321-60-8	2-Fluorobiphenyl	99%	22-138%
4165-60-0	Nitrobenzene-d5	96%	32-143%
1718-51-0	Terphenyl-d14	100%	48-149%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA75926
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Bernhardt 21-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28813-MS	9G01187.D	1	10/08/25	TH	10/08/25	OP28813	E9G55
OP28813-MSD	9G01188.D	1	10/08/25	TH	10/08/25	OP28813	E9G55
DA75919-4	9G01189.D	1	10/08/25	TH	10/08/25	OP28813	E9G55

The QC reported here applies to the following samples:

Method: SW846 8270E

DA75926-1

CAS No.	Compound	DA75919-4 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	< 4.6	227	245	108	222	247	111	1	30-148/32
120-12-7	Anthracene	< 4.6	227	265	117	222	263	118	1	40-148/33
56-55-3	Benzo(a)anthracene	< 5.8	227	254	112	222	246	111	3	44-144/32
205-99-2	Benzo(b)fluoranthene	< 4.6	227	244	108	222	237	107	3	36-166/43
207-08-9	Benzo(k)fluoranthene	< 4.6	227	264	116	222	259	116	2	43-165/41
50-32-8	Benzo(a)pyrene	< 4.6	227	262	116	222	254	114	3	41-161/37
218-01-9	Chrysene	< 4.6	227	274	121	222	268	120	2	52-152/32
53-70-3	Dibenzo(a,h)anthracene	< 4.6	227	220	97	222	214	96	3	42-155/36
206-44-0	Fluoranthene	< 4.6	227	270	119	222	269	121	0	40-151/34
86-73-7	Fluorene	< 4.6	227	253	112	222	257	116	2	34-149/34
193-39-5	Indeno(1,2,3-cd)pyrene	< 4.6	227	220	97	222	214	96	3	41-156/37
90-12-0	1-Methylnaphthalene	< 4.6	227	215	95	222	220	99	2	23-149/36
91-57-6	2-Methylnaphthalene	< 4.6	227	208	92	222	217	98	4	18-144/35
91-20-3	Naphthalene	< 2.3	227	227	100	222	231	104	2	18-150/32
129-00-0	Pyrene	< 4.6	227	266	117	222	260	117	2	38-156/33

CAS No.	Surrogate Recoveries	MS	MSD	DA75919-4	Limits
321-60-8	2-Fluorobiphenyl	98%	104%	106%	22-138%
4165-60-0	Nitrobenzene-d5	97%	105%	107%	32-143%
1718-51-0	Terphenyl-d14	97%	99%	101%	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: DA75926
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Bernhardt 21-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28827-MB	FH081191.D	1	10/11/25	JB	10/08/25	OP28827	GFH24013

The QC reported here applies to the following samples:

Method: SW846-8015C

DA75926-1

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	94% 20-142%

Blank Spike Summary

Job Number: DA75926
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Bernhardt 21-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28827-BS1	FH081192.D	1	10/11/25	JB	10/08/25	OP28827	GFH24013

The QC reported here applies to the following samples:

Method: SW846-8015C

DA75926-1

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	200	206	103	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	101%	20-142%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA75926
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Bernhardt 21-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28827-BS2	FH081193.D	1	10/11/25	JB	10/08/25	OP28827	GFH24013

The QC reported here applies to the following samples:

Method: SW846-8015C

DA75926-1

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-ORO (> C28-C36)	200	185	93	70-138

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	92%	20-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA75926
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Bernhardt 21-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28827-MS1	FH081194.D	1	10/11/25	JB	10/08/25	OP28827	GFH24013
OP28827-MSD1	FH081195.D	1	10/11/25	JB	10/08/25	OP28827	GFH24013
DA75995-1	FH081198.D	1	10/11/25	JB	10/08/25	OP28827	GFH24013

The QC reported here applies to the following samples:

Method: SW846-8015C

DA75926-1

CAS No.	Compound	DA75995-1 mg/kg	Spike Q	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	< 29	219	200	91	233	217	93	8	59-130/30

CAS No.	Surrogate Recoveries	MS	MSD	DA75995-1	Limits
84-15-1	o-Terphenyl	88%	95%	76%	20-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA75926
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Bernhardt 21-1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28827-MS2	FH081196.D	1	10/11/25	JB	10/08/25	OP28827	GFH24013
OP28827-MSD2	FH081197.D	1	10/11/25	JB	10/08/25	OP28827	GFH24013
DA75995-2	FH081199.D	1	10/11/25	JB	10/08/25	OP28827	GFH24013

The QC reported here applies to the following samples:

Method: SW846-8015C

DA75926-1

CAS No.	Compound	DA75995-2 mg/kg	Spike Q mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-ORO (> C28-C36)	< 110	221	186	84	217	184	85	1	70-153/30

CAS No.	Surrogate Recoveries	MS	MSD	DA75995-2	Limits
84-15-1	o-Terphenyl	89%	92%	71%	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: DA75926
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 21-1

QC Batch ID: MP43434
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/08/25

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	2.5	<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 MP43434: DA75926-1B

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA75926
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 21-1

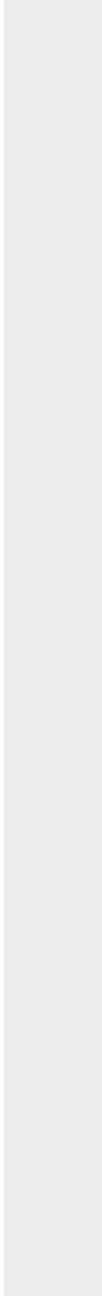
QC Batch ID: MP43434
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/08/25

Metal	RL	IDL	MDL	MB raw	final
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(anr) Analyte not requested



8.1.1
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75926
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: TASMCOA: Bernhardt 21-1

QC Batch ID: MP43434
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 10/08/25 10/08/25

Metal	DA75927-6B Original	DUP	RPD	QC Limits	DA75927-6B Original MS	Spikelot ICPAL6	% Rec	QC Limits	
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Boron	23.5	33.5	35.1 (a)	0-20	23.5	9270	10000	92.5	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 MP43434: DA75926-1B

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

8.12
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75926
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: TASMCOA: Bernhardt 21-1

QC Batch ID: MP43434
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 10/08/25 10/08/25

Metal	DA75927-6B Original DUP	RPD	QC Limits	DA75927-6B Original MS	Spikelot ICPALL6	% Rec	QC Limits
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(N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested
 (a) RPD acceptable due to low duplicate and sample concentrations.

8.1.2
 8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA75926
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: TASMCOA: Bernhardt 21-1

QC Batch ID: MP43434
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 10/08/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	9050	10000	90.5	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 MP43434: DA75926-1B

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

8.1.3
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA75926
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 21-1

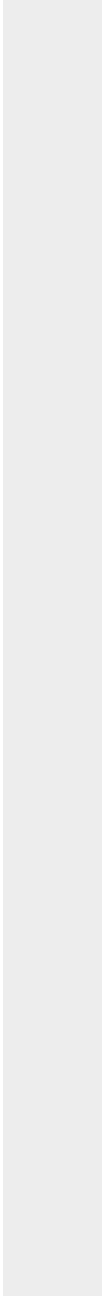
QC Batch ID: MP43434
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/08/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
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(anr) Analyte not requested



8.1.3
8

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA75926
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: TASMCOA: Bernhardt 21-1

QC Batch ID: MP43434
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 10/08/25

Metal	DA75927-6B Original SDL 1:5	%DIF	QC Limits
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Boron	4.70	6.30	34.0 (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 MP43434: DA75926-1B

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

8.1.4
8

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA75926
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 21-1

QC Batch ID: MP43434
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/08/25

Metal	DA75927-6B Original SDL 1:5	%DIF	QC Limits
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(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: DA75926
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 21-1

QC Batch ID: MP43435
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 10/07/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	50	.1	5		
Antimony	0.40	.0027	.05		
Arsenic	0.20	.004	.05	0.037	<0.20
Barium	2.0	.081	.24	0.10	<2.0
Beryllium	0.20	.015	.04		
Boron	40	8.2	10		
Cadmium	0.10	.024	.04	0.00020	<0.10
Calcium	400	.13	30		
Chromium	2.0	.038	.6		
Cobalt	0.20	.0016	.025		
Copper	2.0	.23	.25	0.056	<2.0
Iron	20	.069	15		
Lead	0.50	.0078	.2	0.032	<0.50
Magnesium	100	.12	10		
Manganese	1.0	.0099	.2		
Molybdenum	1.0	.0029	.27		
Nickel	2.0	.029	.2	-0.064	<2.0
Phosphorus	60	21	25		
Potassium	200	1.7	25		
Selenium	0.20	.0096	.05	0.023	<0.20
Silver	0.10	.001	.03	0.0063	<0.10
Sodium	500	1.2	30		
Strontium	20	.0047	1		
Thallium	0.20	.0028	.04		
Tin	10	.027	4		
Titanium	2.0	.0065	.3		
Uranium	0.20	.001	.1		
Vanadium	1.0	.035	.2		
Zinc	10	.1	1	0.14	<10

Associated samples MP43435: DA75926-1

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

8.2.1
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75926
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: TASMCOA: Bernhardt 21-1

QC Batch ID: MP43435
 Matrix Type: SOLID

Methods: SW846 6020B
 Units: mg/kg

Prep Date: 10/07/25

Metal	DA75924-1 Original MS		Spike/lot ICPMS6	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	7.7	92.8	98.1	86.7	75-125
Barium	153	321	196	85.6	75-125
Beryllium					
Boron					
Cadmium	0.26	50.4	49.1	102.2	75-125
Calcium					
Chromium					
Cobalt					
Copper	7.5	50.4	49.1	87.4	75-125
Iron					
Lead	14.1	115	98.1	102.8	75-125
Magnesium					
Manganese					
Molybdenum					
Nickel	6.6	49.6	49.1	87.6	75-125
Phosphorus					
Potassium					
Selenium	0.28	78.1	98.1	79.3	75-125
Silver	0.052	20.2	19.6	102.7	75-125
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc	25.8	71.9	49.1	94.0	75-125

Associated samples MP43435: DA75926-1

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

8.2.2
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75926
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: TASMCOA: Bernhardt 21-1

QC Batch ID: MP43435
 Matrix Type: SOLID

Methods: SW846 6020B
 Units: mg/kg

Prep Date: 10/07/25

Metal	DA75924-1 Original MSD		Spike lot ICPMS6 % Rec		MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	7.7	81.0	86.3	85.0	13.6	20
Barium	153	305	173	88.1	5.1	20
Beryllium						
Boron						
Cadmium	0.26	44.8	43.1	103.3	11.8	20
Calcium						
Chromium						
Cobalt						
Copper	7.5	44.1	43.1	84.9	13.3	20
Iron						
Lead	14.1	107	86.3	107.7	7.2	20
Magnesium						
Manganese						
Molybdenum						
Nickel	6.6	43.8	43.1	86.3	12.4	20
Phosphorus						
Potassium						
Selenium	0.28	68.3	86.3	78.9	13.4	20
Silver	0.052	18.0	17.3	104.0	11.5	20
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc	25.8	64.6	43.1	90.0	10.7	20

Associated samples MP43435: DA75926-1

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

8.2.2
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA75926
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: TASMCOA: Bernhardt 21-1

QC Batch ID: MP43435
 Matrix Type: SOLID

Methods: SW846 6020B
 Units: mg/kg

Prep Date: 10/07/25

Metal	BSP Result	Spikelot ICPMS6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	101	100	101.0	80-120
Barium	188	200	94.0	80-120
Beryllium				
Boron				
Cadmium	50.9	50	101.8	80-120
Calcium				
Chromium				
Cobalt				
Copper	51.1	50	102.2	80-120
Iron				
Lead	105	100	105.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel	50.6	50	101.2	80-120
Phosphorus				
Potassium				
Selenium	94.9	100	94.9	80-120
Silver	20.6	20	103.0	80-120
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	50.1	50	100.2	80-120

Associated samples MP43435: DA75926-1

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

8.2.3
8

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA75926
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: TASMCOA: Bernhardt 21-1

QC Batch ID: MP43435
 Matrix Type: SOLID

Methods: SW846 6020B
 Units: ug/l

Prep Date: 10/07/25

Metal	DA75924-1 Original SDL 10:50%DIF		QC Limits	
Aluminum				
Antimony				
Arsenic	83.9	97.0	15.6	0-20
Barium	1660	1720	3.9	0-20
Beryllium				
Boron				
Cadmium	2.83	1.61	43.0 (a)	0-20
Calcium				
Chromium				
Cobalt				
Copper	81.8	92.4	12.9	0-20
Iron				
Lead	153	153	0.2	0-20
Magnesium				
Manganese				
Molybdenum				
Nickel	71.8	77.1	7.3	0-20
Phosphorus				
Potassium				
Selenium	3.09	3.93	27.1 (a)	0-20
Silver	0.560	0.516	7.9	0-20
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	279	318	13.6	0-20

Associated samples MP43435: DA75926-1

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).

8.2.4
8

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA75926
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 21-1

QC Batch ID: MP43441
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/07/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	1500	690	230		
Antimony	450	210	100		
Arsenic	380	330	69		
Barium	150	4.5	20		
Beryllium	150	15	20		
Boron	750	50	95		
Cadmium	150	29	20		
Calcium	6000	99	750	-1400	<6000
Chromium	150	17	20		
Cobalt	75	41	9.5		
Copper	150	69	20		
Iron	1100	130	180		
Lead	750	200	95		
Lithium	75	9	20		
Magnesium	3000	740	380	3.0	<3000
Manganese	75	7.5	9.5		
Molybdenum	150	130	42		
Nickel	450	93	57		
Phosphorus	1500	1400	240		
Potassium	15000	1300	1900		
Selenium	750	450	320		
Silicon	3000	620	2300		
Silver	450	9	57		
Sodium	6000	190	750	1630	<6000
Strontium	75	1.5	9.5		
Thallium	150	260	65		
Tin	900	620	770		
Titanium	150	7.5	20		
Uranium	750	59	130		
Vanadium	150	14	20		
Zinc	450	140	57		

Associated samples MP43441: DA75926-1A

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA75926
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 21-1

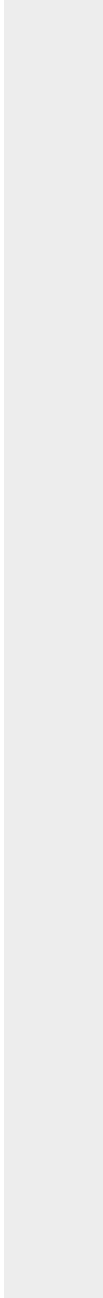
QC Batch ID: MP43441
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/07/25

Metal	RL	IDL	MDL	MB raw	final
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(anr) Analyte not requested



MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75926
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: TASMCOA: Bernhardt 21-1

QC Batch ID: MP43441
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 10/07/25

Metal	DA75916-15A Original MS	Spikelot ICPAL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	66900	451000	375000	102.4 75-125
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	12300	403000	375000	104.8 75-125
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	20000	422000	375000	107.2 75-125
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP43441: DA75926-1A

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

8.3.2
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75926
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 21-1

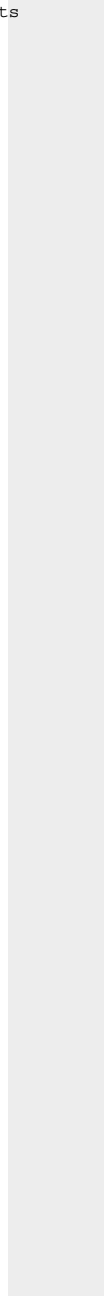
QC Batch ID: MP43441
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/07/25

Metal	DA75916-15A Original MS	SpikeLot ICPAL6	% Rec	QC Limits
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(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested



8.3.2
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75926
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: TASMCOA: Bernhardt 21-1

QC Batch ID: MP43441
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 10/07/25

Metal	DA75916-15A Original MSD	Spikelot ICPAL6	% Rec	MSD RPD	QC Limit	
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium	66900	449000	375000	101.9	0.4	20
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Lithium						
Magnesium	12300	405000	375000	105.3	0.5	20
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium						
Silicon						
Silver						
Sodium	20000	416000	375000	105.6	1.4	20
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc						

Associated samples MP43441: DA75926-1A

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

8.3.2
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75926
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 21-1

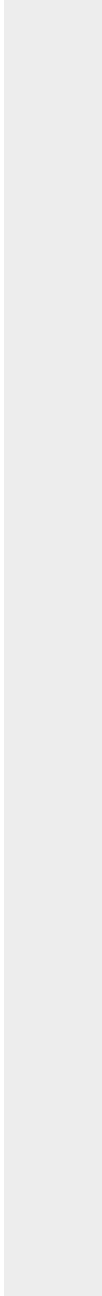
QC Batch ID: MP43441
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/07/25

Metal	DA75916-15A Original MSD	SpikeLot ICPAL6 % Rec	MSD RPD	QC Limit
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(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested



8.3.2
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA75926
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: TASMCOA: Bernhardt 21-1

QC Batch ID: MP43441
 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				
Cadmium				
Calcium	389000	375000	103.7	80-120
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	382000	375000	101.9	80-120
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	376000	375000	100.3	80-120
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP43441: DA75926-1A

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

8.3.3
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA75926
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 21-1

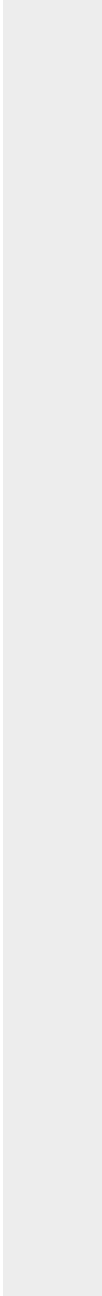
QC Batch ID: MP43441
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/07/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
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(anr) Analyte not requested



8.3.3
8

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA75926
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: TASMCOA: Bernhardt 21-1

QC Batch ID: MP43441
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 10/07/25

Metal	DA75916-15A Original	SDL 1:1	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	4460	4510	1.2	0-10
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	821	608	9.5	0-10
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	1330	302	77.3*(a)	0-10
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP43441: DA75926-1A

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

8.3.4
8

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA75926
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 21-1

QC Batch ID: MP43441
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/07/25

Metal	DA75916-15A	QC
	Original SDL 1:1 %DIF	Limits

(anr) Analyte not requested

(a) RPD acceptable due to low duplicate and sample concentrations.

8.3.4

8

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: DA75926
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 21-1

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Specific Conductivity	GP39638/GN69617			mmhos/cm	1.409	1.4	96.1	90-110%

Associated Samples:
Batch GP39638: DA75926-1
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA75926
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Bernhardt 21-1

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GP39638/GN69617	DA75933-2	mmhos/cm	4.2	4.2	0.4	0-20%
pH	GN69616	DA75924-3	su	7.79	7.82	0.4	0-5%

Associated Samples:
Batch GN69616: DA75926-1
Batch GP39638: DA75926-1
(*) 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: 303-425-6884
 www.sgs.com/ehsusa

SS

Field Testing # 7044-9078-9641	Bottle Order Control #
SGS Quote #	SGS Job # DA75926

Client / Reporting Information		Project Information				Requested Analysis (see TEST CODE sheet)										Matrix Codes
Company Name: SGS North America Inc.		Project Name: TASMCO: Bernhardt 21-1														DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment CI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank
Street Address: 4036 Youngfield Street		Street: TASMCO: Bernhardt 21-1														
City State Zip: Wheat Ridge, CO 80033		Billing Information (If different from Report to) Company Name:														
Project Contact E-mail: pama.eskandaripavandeh@sgs.com		Project #														
Phone # Fax #: 303-425-6021		Client Purchase Order #														
Sampler(s) Name(s): EG		Project Manager														
Turnaround Time (Business days)		Data Deliverable Information				Comments / Special Instructions										

<input type="checkbox"/> Standard 10 Day (business) <input type="checkbox"/> 5 Business Days RUSH <input type="checkbox"/> 3 Business Days RUSH <input type="checkbox"/> 2 Business Days RUSH <input type="checkbox"/> 1 Business Day EMERGENCY <input checked="" type="checkbox"/> other Due 10/20/2025 <small>Emergency & Rush T/A data available via Lablink Approval needed for RUSH/Emergency TAT</small>		Approved By (SGS PM) / Date: _____		<input type="checkbox"/> Commercial "A" (Level 1) <input type="checkbox"/> State Forms <input type="checkbox"/> Commercial "B" (Level 2) <input type="checkbox"/> EDD Format <input type="checkbox"/> REDT1 (Level 3) <input type="checkbox"/> Other _____ <input type="checkbox"/> FULT1 (Level 4) <input type="checkbox"/> _____ <input type="checkbox"/> Commercial "C" <input checked="" type="checkbox"/> CL		1 202 1 1st Assessment DA-31A 1 1st Level Verification									
--	--	------------------------------------	--	---	--	--	--	--	--	--	--	--	--	--	--

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

Relinquished by Sampler: <i>[Signature]</i>	Date Time: 10-7-25	Received By: Fedex	Relinquished By: Fedex	Date Time: 10/08	Received By: 2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time: 10-08	Received By: 4
Relinquished by:	Date Time:	Received By: 5	Custody Seal #	<input type="checkbox"/> Intact <input type="checkbox"/> Not Intact	Preserved where applicable <input type="checkbox"/> Therm. ID:

On Ice Cooler Temp. **2.2**

10.1 10



SGS Sample Receipt Summary

Job Number: da75926

Client: SGS WHEAT RIDGE CO

Project: TASMCOA: BERNHARDT 21-1

Date / Time Received: 10/8/2025 9:55:00 AM

Delivery Method: fedex

Airbill #'s: _____

Cooler Temps (Raw Measured) °C: Cooler 1: (2.2);

Cooler Temps (Corrected) °C: Cooler 1: (2.3);

<u>Cooler Security</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>Y</u>	<u>or</u>	<u>N</u>
1. Custody Seals Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	3. COC Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Custody Seals Intact:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	4. SmpI Dates/Time OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>

<u>Cooler Temperature</u>	<u>Y</u>	<u>or</u>	<u>N</u>
1. Temp criteria achieved:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Cooler temp verification:	<u>IR-50</u>		
3. Cooler media:	<u>Ice (Bag)</u>		
4. No. Coolers:	<u>1</u>		

<u>Quality Control Preservation</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Trip Blank present / cooler:	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Trip Blank listed on COC:	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Samples preserved properly:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. VOCs headspace free:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

<u>Sample Integrity - Documentation</u>	<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Container labeling complete:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Sample container label / COC agree:	<input checked="" type="checkbox"/>		<input type="checkbox"/>

<u>Sample Integrity - Condition</u>	<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample recvd within HT:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. All containers accounted for:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Condition of sample:	<u>Intact</u>		

<u>Sample Integrity - Instructions</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Analysis requested is clear:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
3. Sufficient volume recvd for analysis:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Compositing instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Filtering instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Test Strip Lot #s:	pH 1-12: <u>231619</u>	pH 12+: <u>203117A</u>	Other: (Specify) _____
--------------------	------------------------	------------------------	------------------------

Comments

SM089-03
Rev. Date 12/7/17

DA75926: Chain of Custody

Page 2 of 2

10.1 10

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: DA75926
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA: Bernhardt 21-1

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chromium, Hexavalent	GP65166/GN75614	0.40	0.0	mg/kg	40	36.4	91.0	80-120%
Chromium, Hexavalent	GP65166/GN75614			mg/kg	798	805	100.9	80-120%

Associated Samples:
Batch GP65166: DA75926-1
(*) Outside of QC limits

11.1
11

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA75926
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA: Bernhardt 21-1

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chromium, Hexavalent	GP65166/GN75614	DA75919-1	mg/kg	0.0	0.0	0.0	0-20%

Associated Samples:
Batch GP65166: DA75926-1
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA75926
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA: Bernhardt 21-1

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chromium, Hexavalent	GP65166/GN75614	DA75919-1	mg/kg	0.0	47.7	36.1	75.7 (a)	75-125%
Chromium, Hexavalent	GP65166/GN75614	DA75919-1	mg/kg	0.0	917	851	92.8 (b)	75-125%

Associated Samples:

Batch GP65166: DA75926-1

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(a) Good recovery on soluble XCR matrix spike. Good recovery (102.7%) on the post-spike.

(b) Good recovery on insoluble XCR matrix spike. See additional comments on soluble matrix spike recovery.