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: Cache 66N63W 17NENW

10587

SGS Job Number: DA73360

Sampling Date: 07/01/25

Report to:

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Total number of pages in report: 80

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

Eric Hoffman

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

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SGS North America Inc.

Sample Summary

Chevron USA, Inc.

Job No: DA73360

TASMCOA: Cache 66N63W 17NENW
Project No: 10587

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
DA73360-1	07/01/25	09:40	EC	07/01/25	SO	Soil	AST01@0-6"
DA73360-1A	07/01/25	09:40	EC	07/01/25	SO	Soil	AST01@0-6"
DA73360-1B	07/01/25	09:40	EC	07/01/25	SO	Soil	AST01@0-6"
DA73360-2	07/01/25	09:55	EC	07/01/25	SO	Soil	AST02@0-6"
DA73360-2A	07/01/25	09:55	EC	07/01/25	SO	Soil	AST02@0-6"
DA73360-2B	07/01/25	09:55	EC	07/01/25	SO	Soil	AST02@0-6"

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

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

Summary of Hits

Job Number: DA73360
Account: Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW
Collected: 07/01/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA73360-1	**AST01@0-6"**					
TPH-GRO (C6-C10)		0.150 J	0.20	0.12	mg/kg	SW846 8260B
TPH-DRO (C10-C28)		1750	3.9	3.7	mg/kg	SW846-8015C
TPH-ORO (> C28-C36)		2980	58	48	mg/kg	SW846-8015C
Arsenic		2.3	0.10		mg/kg	SW846 6020B
Barium		20.4	1.0		mg/kg	SW846 6020B
Cadmium		0.067	0.051		mg/kg	SW846 6020B
Copper		2.1	1.0		mg/kg	SW846 6020B
Lead		2.7	0.25		mg/kg	SW846 6020B
Nickel		2.0	1.0		mg/kg	SW846 6020B
Zinc		10.2	5.1		mg/kg	SW846 6020B
pH		7.20			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.32	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA73360-1A	**AST01@0-6"**					
Calcium		55.1	6.0		mg/l	SW846 6010C
Magnesium		13.7	3.0		mg/l	SW846 6010C
Sodium		7.77	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		0.243			ratio	USDA HANDBOOK 60
DA73360-1B	**AST01@0-6"**					
No hits reported in this sample.						
DA73360-2	**AST02@0-6"**					
TPH-DRO (C10-C28)		6.03	3.9	3.7	mg/kg	SW846-8015C
TPH-ORO (> C28-C36)		13.1	5.9	4.9	mg/kg	SW846-8015C
Arsenic		3.0	0.099		mg/kg	SW846 6020B
Barium		63.0	0.99		mg/kg	SW846 6020B
Cadmium		0.059	0.050		mg/kg	SW846 6020B
Copper		3.3	0.99		mg/kg	SW846 6020B
Lead		8.7	0.25		mg/kg	SW846 6020B
Nickel		2.5	0.99		mg/kg	SW846 6020B
Zinc		9.4	5.0		mg/kg	SW846 6020B
pH		7.34			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.60	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA73360-2A	**AST02@0-6"**					
Calcium		59.7	6.0		mg/l	SW846 6010C
Magnesium		15.5	3.0		mg/l	SW846 6010C
Sodium		13.0	6.0		mg/l	SW846 6010C

Summary of Hits

Job Number: DA73360
Account: Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW
Collected: 07/01/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Sodium Adsorption Ratio [a]		0.387			ratio	USDA HANDBOOK 60

DA73360-2B **AST02@0-6"**

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:	AST01@0-6"		
Lab Sample ID:	DA73360-1	**Date Sampled:**	07/01/25
Matrix:	SO - Soil	**Date Received:**	07/01/25
Method:	SW846 8260B	**Percent Solids:**	96.8
Project:	TASMCOA: Cache 66N63W 17NENW		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4V36820.D	1	07/08/25 22:49	MB	n/a	n/a	V4V1856
Run #2							

	Initial Weight	Final Volume
Run #1	5.28 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.00098	0.00049	mg/kg	
100-41-4	Ethylbenzene	ND	0.0020	0.00049	mg/kg	
108-88-3	Toluene	ND	0.0020	0.00098	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0020	0.00088	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0020	0.00088	mg/kg	
	m,p-Xylene	ND	0.0020	0.0018	mg/kg	
95-47-6	o-Xylene	ND	0.0020	0.00068	mg/kg	
1330-20-7	Xylene (total)	ND	0.0020	0.0018	mg/kg	
	TPH-GRO (C6-C10)	0.150	0.20	0.12	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		70-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	109%		70-130%
17060-07-0	1,2-Dichloroethane-D4	103%		70-130%

ND = Not detected MDL = Method Detection Limit
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:	AST01@0-6"		
Lab Sample ID:	DA73360-1	**Date Sampled:**	07/01/25
Matrix:	SO - Soil	**Date Received:**	07/01/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	96.8
Project:	TASMCOA: Cache 66N63W 17NENW		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3G58042.D	100	07/03/25 20:43	ZL	07/03/25 10:00	OP27980	E3G2827
Run #2							

	Initial Weight	Final Volume
Run #1	5.0 g	10.0 ml
Run #2		

COGCC Table 915-1 PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.41	0.21	mg/kg	
120-12-7	Anthracene	ND	0.41	0.21	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.52	0.31	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.41	0.21	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.41	0.21	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.41	0.21	mg/kg	
218-01-9	Chrysene	ND	0.41	0.21	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.41	0.21	mg/kg	
206-44-0	Fluoranthene	ND	0.41	0.21	mg/kg	
86-73-7	Fluorene	ND	0.41	0.21	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.41	0.21	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.41	0.21	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.41	0.21	mg/kg	
91-20-3	Naphthalene	ND	0.21	0.15	mg/kg	
129-00-0	Pyrene	ND	0.41	0.21	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	73%		10-130%
4165-60-0	Nitrobenzene-d5	159% [b]		10-130%
1718-51-0	Terphenyl-d14	98%		10-130%

(a) Dilution required due to matrix interference; High concentration of TPH detected.
(b) Outside control limits due to dilution.

ND = Not detected MDL = Method Detection Limit
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:	AST01@0-6"		
Lab Sample ID:	DA73360-1	**Date Sampled:**	07/01/25
Matrix:	SO - Soil	**Date Received:**	07/01/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	96.8
Project:	TASMCOA: Cache 66N63W 17NENW		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FP081899.D	1	07/02/25 08:25	JB	07/01/25 10:00	OP27972	GFP2436
Run #2	FP081971.D	10	07/03/25 21:25	JB	07/02/25 10:00	OP27979	GFP2437

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

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	1750	3.9	3.7	mg/kg	
	TPH-ORO (> C28-C36)	2980 [a]	58	48	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	121%	115%	20-142%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
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:	AST01@0-6"		
Lab Sample ID:	DA73360-1	**Date Sampled:**	07/01/25
Matrix:	SO - Soil	**Date Received:**	07/01/25
		Percent Solids:	96.8
Project:	TASMCOA: Cache 66N63W 17NENW		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.3	0.10	mg/kg	5	07/02/25	07/08/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	20.4	1.0	mg/kg	5	07/02/25	07/08/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.067	0.051	mg/kg	5	07/02/25	07/08/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	2.1	1.0	mg/kg	5	07/02/25	07/08/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	2.7	0.25	mg/kg	5	07/02/25	07/08/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	2.0	1.0	mg/kg	5	07/02/25	07/08/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.20	0.20	mg/kg	5	07/02/25	07/08/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.051	0.051	mg/kg	5	07/02/25	07/08/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	10.2	5.1	mg/kg	5	07/02/25	07/08/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19332
(2) Prep QC Batch: MP41790

RL = Reporting Limit

Report of Analysis

Client Sample ID:	AST01@0-6"		
Lab Sample ID:	DA73360-1	**Date Sampled:**	07/01/25
Matrix:	SO - Soil	**Date Received:**	07/01/25
		Percent Solids:	96.8
Project:	TASMCOA: Cache 66N63W 17NENW		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	96.8		%	1	07/02/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH	7.20		su	1	07/03/25 12:57	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.32	0.0010	mmhos/cm	1	07/03/25 13:00	TMP	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.42	0.42	mg/kg	1	07/11/25 22:07	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	AST01@0-6"		
Lab Sample ID:	DA73360-1A	**Date Sampled:**	07/01/25
Matrix:	SO - Soil	**Date Received:**	07/01/25
		Percent Solids:	96.8
Project:	TASMCOA: Cache 66N63W 17NENW		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	55.1	6.0	mg/l	1	07/10/25	07/11/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	13.7	3.0	mg/l	1	07/10/25	07/11/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	7.77	6.0	mg/l	1	07/10/25	07/11/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19343
(2) Prep QC Batch: MP41835

RL = Reporting Limit

Report of Analysis

Client Sample ID:	AST01@0-6"		
Lab Sample ID:	DA73360-1A	**Date Sampled:**	07/01/25
Matrix:	SO - Soil	**Date Received:**	07/01/25
		Percent Solids:	96.8
Project:	TASMCOA: Cache 66N63W 17NENW		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.243		ratio	1	07/11/25 12:12	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:	AST01@0-6"		
Lab Sample ID:	DA73360-1B	**Date Sampled:**	07/01/25
Matrix:	SO - Soil	**Date Received:**	07/01/25
		Percent Solids:	96.8
Project:	TASMCOA: Cache 66N63W 17NENW		

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	07/02/25	07/10/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19340
(2) Prep QC Batch: MP41789

RL = Reporting Limit

Report of Analysis

Client Sample ID:	AST02@0-6"		
Lab Sample ID:	DA73360-2	**Date Sampled:**	07/01/25
Matrix:	SO - Soil	**Date Received:**	07/01/25
Method:	SW846 8260B	**Percent Solids:**	95.8
Project:	TASMCOA: Cache 66N63W 17NENW		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4V36821.D	1	07/08/25 23:12	MB	n/a	n/a	V4V1856
Run #2							

	Initial Weight	Final Volume
Run #1	5.16 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00051	mg/kg	
100-41-4	Ethylbenzene	ND	0.0020	0.00051	mg/kg	
108-88-3	Toluene	ND	0.0020	0.0010	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0020	0.00091	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0020	0.00091	mg/kg	
	m,p-Xylene	ND	0.0020	0.0018	mg/kg	
95-47-6	o-Xylene	ND	0.0020	0.00071	mg/kg	
1330-20-7	Xylene (total)	ND	0.0020	0.0018	mg/kg	
	TPH-GRO (C6-C10)	ND	0.20	0.12	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		70-130%
2037-26-5	Toluene-D8	95%		70-130%
460-00-4	4-Bromofluorobenzene	87%		70-130%
17060-07-0	1,2-Dichloroethane-D4	106%		70-130%

ND = Not detected MDL = Method Detection Limit
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:	AST02@0-6"		
Lab Sample ID:	DA73360-2	**Date Sampled:**	07/01/25
Matrix:	SO - Soil	**Date Received:**	07/01/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	95.8
Project:	TASMCOA: Cache 66N63W 17NENW		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G18618.D	1	07/03/25 17:36	ZL	07/03/25 10:00	OP27980	E6G701
Run #2							

	Initial Weight	Final Volume
Run #1	4.9 g	10.0 ml
Run #2		

COGCC Table 915-1 PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.0043	0.0021	mg/kg	
120-12-7	Anthracene	ND	0.0043	0.0021	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0053	0.0032	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.0043	0.0021	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.0043	0.0021	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0043	0.0021	mg/kg	
218-01-9	Chrysene	ND	0.0043	0.0021	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0043	0.0021	mg/kg	
206-44-0	Fluoranthene	ND	0.0043	0.0021	mg/kg	
86-73-7	Fluorene	ND	0.0043	0.0021	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0043	0.0021	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.0043	0.0021	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0043	0.0021	mg/kg	
91-20-3	Naphthalene	ND	0.0021	0.0016	mg/kg	
129-00-0	Pyrene	ND	0.0043	0.0021	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	69%		10-130%
4165-60-0	Nitrobenzene-d5	74%		10-130%
1718-51-0	Terphenyl-d14	85%		10-130%

ND = Not detected MDL = Method Detection Limit
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:	AST02@0-6"		
Lab Sample ID:	DA73360-2	**Date Sampled:**	07/01/25
Matrix:	SO - Soil	**Date Received:**	07/01/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	95.8
Project:	TASMCOA: Cache 66N63W 17NENW		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FP081972.D	1	07/03/25 21:40	JB	07/02/25 10:00	OP27979	GFP2437
Run #2							

	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	MDL	Units	Q
	TPH-DRO (C10-C28)	6.03	3.9	3.7	mg/kg	
	TPH-ORO (> C28-C36)	13.1	5.9	4.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		20-142%

ND = Not detected MDL = Method Detection Limit
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:	AST02@0-6"		
Lab Sample ID:	DA73360-2	**Date Sampled:**	07/01/25
Matrix:	SO - Soil	**Date Received:**	07/01/25
		Percent Solids:	95.8
Project:	TASMCOA: Cache 66N63W 17NENW		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.0	0.099	mg/kg	5	07/02/25	07/08/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	63.0	0.99	mg/kg	5	07/02/25	07/08/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.059	0.050	mg/kg	5	07/02/25	07/08/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	3.3	0.99	mg/kg	5	07/02/25	07/08/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	8.7	0.25	mg/kg	5	07/02/25	07/08/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	2.5	0.99	mg/kg	5	07/02/25	07/08/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.20	0.20	mg/kg	5	07/02/25	07/08/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.050	0.050	mg/kg	5	07/02/25	07/08/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	9.4	5.0	mg/kg	5	07/02/25	07/08/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19332
(2) Prep QC Batch: MP41790

RL = Reporting Limit

Report of Analysis

Client Sample ID:	AST02@0-6"		
Lab Sample ID:	DA73360-2	**Date Sampled:**	07/01/25
Matrix:	SO - Soil	**Date Received:**	07/01/25
		Percent Solids:	95.8
Project:	TASMCOA: Cache 66N63W 17NENW		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	95.8		%	1	07/02/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH	7.34		su	1	07/03/25 12:57	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.60	0.0010	mmhos/cm	1	07/03/25 13:00	TMP	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.42	0.42	mg/kg	1	07/11/25 22:23	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	AST02@0-6"		
Lab Sample ID:	DA73360-2A	**Date Sampled:**	07/01/25
Matrix:	SO - Soil	**Date Received:**	07/01/25
		Percent Solids:	95.8
Project:	TASMCOA: Cache 66N63W 17NENW		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	59.7	6.0	mg/l	1	07/10/25	07/11/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	15.5	3.0	mg/l	1	07/10/25	07/11/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	13.0	6.0	mg/l	1	07/10/25	07/11/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19343
(2) Prep QC Batch: MP41835

RL = Reporting Limit

Report of Analysis

Client Sample ID:	AST02@0-6"		
Lab Sample ID:	DA73360-2A	**Date Sampled:**	07/01/25
Matrix:	SO - Soil	**Date Received:**	07/01/25
		Percent Solids:	95.8
Project:	TASMCOA: Cache 66N63W 17NENW		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.387		ratio	1	07/11/25 12:14	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:	AST02@0-6"		
Lab Sample ID:	DA73360-2B	**Date Sampled:**	07/01/25
Matrix:	SO - Soil	**Date Received:**	07/01/25
		Percent Solids:	95.8
Project:	TASMCOA: Cache 66N63W 17NENW		

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	07/02/25	07/10/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19340
(2) Prep QC Batch: MP41789

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

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
www.sgs.com/ehsusa

Bottle Order Control #:
FED-EX Tracking #:
SGS Quote #:
SGS Job #: DA73360

Client / Reporting Information

Company: Tasman, Inc.
Street: 4725 Independence St.
City, State ZIP: Wheat Ridge, CO 80033
Project Contact: Eric Vonde
Phone: (303) 487-1228
Email: las-chevron-5@tasman-geo.com / rbueul27@chevron.com / karen.olson@chevron.com / evonde@tasman-geo.com
Sampler(s) Name(s): E. Card

Project Information

Project Name: Cache 66N63W 17NENW
Check Box if Project Report to Division of Oil and Public Safety (OPS): ☐
Street:
City, State ZIP:
Project #: 10587
Client Purchase Order #: UWRWE-A5144-AES
Project Manager: Eric Vonde

Billing Information (if different from Report to)

Company: Noble Energy
Street Address:
City, State ZIP:
Attention: Karen Olson

Requested Analysis (see TEST CODE sheet)

Field ID / Point of Collection	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: NONE	HCl	NaOH	HNO3	H2SO4	DI Water	MeOH	ENCORE	Na2S2O3	NaZSO3	Metals - 915	VOCs - 915	TPH - 915	PAHs - 915	pH, EC, SAR, boron	TDS, Cl, SO4	Hold	LAB USE ONLY
AST01@0-6"	7/1/25	940	EC	SO	4	4										X	X	X	X	X			01
AST02@0-6"	1	955	1	1	1	1										1	1	1	1	1			02

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
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

**Metals: specify metal(s), method, and type (D, PD, TR)

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	7/1/25 1215	1	2		2
Relinquished by/Affiliation:	Date/Time:	Received By/Affiliation:	Relinquished By/Affiliation:	Date/Time:	Received By/Affiliation:
3		3	4		4

Custody Seal #: Intact ☑ Not Intact ☐ Absent ☐
Preserved where applicable ☑ Cooler Temp. °C (corrected): 3.9 Therm. ID: IR7 On Ice ☒

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

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

SGS Sample Receipt Summary

Job Number: da73360 **Client:** TASMAN **Project:** CACHE 66N63W 17NENW

Date / Time Received: 7/1/2025 12:15:00 PM **Delivery Method:** hd **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (3.9);

Cooler Temps (Corrected) °C: Cooler 1: (3.9);

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. 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

SM001
Rev. Date 05/04/17

Technician: JEREMYD Date: 7/1/2025 12:15:06 PM Reviewer: Date:

DA73360: Chain of Custody
Page 2 of 2

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: DA73360
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4V1856-MB	4V36819.D	1	07/08/25	MB	n/a	n/a	V4V1856

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

DA73360-1, DA73360-2

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.50	ug/kg	
108-88-3	Toluene	ND	2.0	1.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.90	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.90	ug/kg	
	m,p-Xylene	ND	2.0	1.8	ug/kg	
95-47-6	o-Xylene	ND	2.0	0.70	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	1.8	ug/kg	
	TPH-GRO (C6-C10)	ND	200	120	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	70-130%
2037-26-5	Toluene-D8	94%	70-130%
460-00-4	4-Bromofluorobenzene	90%	70-130%
17060-07-0	1,2-Dichloroethane-D4	104%	70-130%

Blank Spike Summary

Job Number: DA73360
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4V1856-BS	4V36816.D	1	07/08/25	MB	n/a	n/a	V4V1856

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

DA73360-1, DA73360-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	52.4	105	70-130
100-41-4	Ethylbenzene	50	51.2	102	70-130
108-88-3	Toluene	50	52.2	104	70-130
95-63-6	1,2,4-Trimethylbenzene	50	53.4	107	70-130
108-67-8	1,3,5-Trimethylbenzene	50	55.0	110	70-130
	m,p-Xylene	100	103	103	70-130
95-47-6	o-Xylene	50	55.7	111	70-130
1330-20-7	Xylene (total)	150	159	106	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	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.

Blank Spike Summary

Job Number: DA73360
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4V1856-BS	4V36818.D	1	07/08/25	MB	n/a	n/a	V4V1856

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

DA73360-1, DA73360-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
	TPH-GRO (C6-C10)	2000	2380	119	50-200

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	70-130%
2037-26-5	Toluene-D8	98%	70-130%
460-00-4	4-Bromofluorobenzene	90%	70-130%
17060-07-0	1,2-Dichloroethane-D4	98%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA73360
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA73360-1MS	4V36822.D	1	07/08/25	MB	n/a	n/a	V4V1856
DA73360-1MSD	4V36823.D	1	07/08/25	MB	n/a	n/a	V4V1856
DA73360-1	4V36820.D	1	07/08/25	MB	n/a	n/a	V4V1856

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

DA73360-1, DA73360-2

CAS No.	Compound	DA73360-1 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	ND		48.5	44.8	92	47.7	38.9	81	14	43-130/30
100-41-4	Ethylbenzene	ND		48.5	39.3	81	47.7	29.6	62	28	15-145/30
108-88-3	Toluene	ND		48.5	42.7	88	47.7	34.5	72	21	37-130/30
95-63-6	1,2,4-Trimethylbenzene	ND		48.5	38.2	79	47.7	28.1	59	30	5-177/30
108-67-8	1,3,5-Trimethylbenzene	ND		48.5	40.7	84	47.7	27.9	58	37* [a]	6-159/30
	m,p-Xylene	ND		96.9	78.0	80	95.5	58.8	62	28	21-142/30
95-47-6	o-Xylene	ND		48.5	42.3	87	47.7	32.6	68	26	25-140/30
1330-20-7	Xylene (total)	ND		145	120	83	143	91.3	64	27	17-142/30

CAS No.	Surrogate Recoveries	MS	MSD	DA73360-1	Limits
1868-53-7	Dibromofluoromethane	107%	104%	104%	70-130%
2037-26-5	Toluene-D8	101%	101%	100%	70-130%
460-00-4	4-Bromofluorobenzene	113%	113%	109%	70-130%
17060-07-0	1,2-Dichloroethane-D4	103%	105%	103%	70-130%

(a) Outside control limits due to possible matrix interference.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA73360
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA73360-2MS	4V36824.D	1	07/09/25	MB	n/a	n/a	V4V1856
DA73360-2MSD	4V36825.D	1	07/09/25	MB	n/a	n/a	V4V1856
DA73360-2	4V36821.D	1	07/08/25	MB	n/a	n/a	V4V1856

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

DA73360-1, DA73360-2

CAS No.	Compound	DA73360-2 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)	ND		2030	2180	107	1920	1830	95	17	5-200/30

CAS No.	Surrogate Recoveries	MS	MSD	DA73360-2	Limits
1868-53-7	Dibromofluoromethane	104%	107%	105%	70-130%
2037-26-5	Toluene-D8	96%	95%	95%	70-130%
460-00-4	4-Bromofluorobenzene	90%	91%	87%	70-130%
17060-07-0	1,2-Dichloroethane-D4	102%	106%	106%	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: DA73360
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27980-MB	6G18616.D	1	07/03/25	ZL	07/03/25	OP27980	E6G701

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

DA73360-1, DA73360-2

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.0	2.0	ug/kg	
120-12-7	Anthracene	ND	4.0	2.0	ug/kg	
56-55-3	Benzo(a)anthracene	ND	5.0	3.0	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	4.0	2.0	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	4.0	2.0	ug/kg	
50-32-8	Benzo(a)pyrene	ND	4.0	2.0	ug/kg	
218-01-9	Chrysene	ND	4.0	2.0	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	4.0	2.0	ug/kg	
206-44-0	Fluoranthene	ND	4.0	2.0	ug/kg	
86-73-7	Fluorene	ND	4.0	2.0	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.0	2.0	ug/kg	
90-12-0	1-Methylnaphthalene	ND	4.0	2.0	ug/kg	
91-57-6	2-Methylnaphthalene	ND	4.0	2.0	ug/kg	
91-20-3	Naphthalene	ND	2.0	1.5	ug/kg	
129-00-0	Pyrene	ND	4.0	2.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
321-60-8	2-Fluorobiphenyl	66%	10-130%
4165-60-0	Nitrobenzene-d5	66%	10-130%
1718-51-0	Terphenyl-d14	89%	10-130%

Blank Spike Summary

Job Number: DA73360
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27980-BS	6G18617.D	1	07/03/25	ZL	07/03/25	OP27980	E6G701

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

DA73360-1, DA73360-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
83-32-9	Acenaphthene	200	157	79	31-130
120-12-7	Anthracene	200	157	79	46-134
56-55-3	Benzo(a)anthracene	200	150	75	52-135
205-99-2	Benzo(b)fluoranthene	200	171	86	50-136
207-08-9	Benzo(k)fluoranthene	200	163	82	52-134
50-32-8	Benzo(a)pyrene	200	162	81	50-130
218-01-9	Chrysene	200	163	82	51-131
53-70-3	Dibenzo(a,h)anthracene	200	149	75	49-136
206-44-0	Fluoranthene	200	159	80	51-137
86-73-7	Fluorene	200	151	76	38-130
193-39-5	Indeno(1,2,3-cd)pyrene	200	157	79	50-139
90-12-0	1-Methylnaphthalene	200	155	78	18-130
91-57-6	2-Methylnaphthalene	200	155	78	16-130
91-20-3	Naphthalene	200	144	72	5-130
129-00-0	Pyrene	200	168	84	48-136

CAS No.	Surrogate Recoveries	BSP	Limits
321-60-8	2-Fluorobiphenyl	72%	10-130%
4165-60-0	Nitrobenzene-d5	73%	10-130%
1718-51-0	Terphenyl-d14	81%	10-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA73360
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27980-MS	3G58043.D	100	07/03/25	ZL	07/03/25	OP27980	E3G2827
OP27980-MSD	3G58044.D	100	07/03/25	ZL	07/03/25	OP27980	E3G2827
DA73360-1 [a]	3G58042.D	100	07/03/25	ZL	07/03/25	OP27980	E3G2827

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

DA73360-1, DA73360-2

CAS No.	Compound	DA73360-1 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	ND		207	252	122	207	180	89	32	12-130/52
120-12-7	Anthracene	ND		207	237	115	207	331	160* [b]	33	31-130/60
56-55-3	Benzo(a)anthracene	ND		207	459	222* [b]	207	250	120	60* [b]	34-130/60
205-99-2	Benzo(b)fluoranthene	ND		207	274	133	207	283	137	3	10-168/60
207-08-9	Benzo(k)fluoranthene	ND		207	279	135* [b]	207	210	99	31* [b]	30-130/60
50-32-8	Benzo(a)pyrene	ND		207	321	155	207	314	152	2	10-179/60
218-01-9	Chrysene	ND		207	85	41	207	291	141* [b]	110* [b]	34-130/60
53-70-3	Dibenzo(a,h)anthracene	ND		207	200	95	207	221	107	11	20-138/60
206-44-0	Fluoranthene	ND		207	286	138* [b]	207	287	139* [b]	0	32-130/60
86-73-7	Fluorene	ND		207	236	114	207	285	138* [b]	19	20-130/60
193-39-5	Indeno(1,2,3-cd)pyrene	ND		207	214	104	207	219	106	2	17-148/60
90-12-0	1-Methylnaphthalene	ND		207	80	39	207	160	76	64* [b]	10-130/41
91-57-6	2-Methylnaphthalene	ND		207	180	87	207	300	145* [b]	50* [b]	14-130/40
91-20-3	Naphthalene	ND		207	100	47	207	86	42	16	10-130/40
129-00-0	Pyrene	ND		207	356	172* [b]	207	281	136* [b]	24	31-130/60

CAS No.	Surrogate Recoveries	MS	MSD	DA73360-1	Limits
321-60-8	2-Fluorobiphenyl	75%	63%	73%	10-130%
4165-60-0	Nitrobenzene-d5	114%	145%* [b]	159%* [b]	10-130%
1718-51-0	Terphenyl-d14	98%	109%	98%	10-130%

(a) Dilution required due to matrix interference; High concentration of TPH detected.
(b) Outside control limits due to dilution.

* = 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: DA73360
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27972-MB [a]	FP081878.D	1	07/02/25	JB	07/01/25	OP27972	GFP2436

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

DA73360-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	4.45	4.0	3.8	mg/kg	B

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	98%	20-142%

(a) Detection due to lab contamination.

Method Blank Summary

Job Number: DA73360
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27979-MB	FP081958.D	1	07/03/25	JB	07/02/25	OP27979	GFP2437

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

DA73360-1, DA73360-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	4.0	3.8	mg/kg	
	TPH-ORO (> C28-C36)	ND	6.0	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	104%	20-142%

Blank Spike Summary

Job Number: DA73360
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27972-BS	FP081879.D	1	07/02/25	JB	07/01/25	OP27972	GFP2436

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

DA73360-1

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	200	175	88	70-130

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

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA73360
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27972-BS2	FP081880.D	1	07/02/25	JB	07/01/25	OP27972	GFP2436

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

DA73360-1

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	89%	20-142%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA73360
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27979-BS	FP081959.D	1	07/03/25	JB	07/02/25	OP27979	GFP2437

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

DA73360-1, DA73360-2

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	200	238	119	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	102%	20-142%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA73360
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27979-BS2	FP081960.D	1	07/03/25	JB	07/02/25	OP27979	GFP2437

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

DA73360-1, DA73360-2

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-ORO (> C28-C36)	200	231	116	70-138

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	91%	20-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA73360
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27972-MS1	FP081881.D	1	07/02/25	JB	07/01/25	OP27972	GFP2436
OP27972-MSD1	FP081882.D	1	07/02/25	JB	07/01/25	OP27972	GFP2436
DA73339-8	FP081885.D	1	07/02/25	JB	07/01/25	OP27972	GFP2436

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

DA73360-1

CAS No.	Compound	DA73339-8 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)	ND		226	194	86	227	192	84	1	59-130/30

CAS No.	Surrogate Recoveries	MS	MSD	DA73339-8	Limits
84-15-1	o-Terphenyl	103%	88%	75%	20-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA73360
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27972-MS2	FP081883.D	1	07/02/25	JB	07/01/25	OP27972	GFP2436
OP27972-MSD2	FP081884.D	1	07/02/25	JB	07/01/25	OP27972	GFP2436
DA73339-9	FP081886.D	1	07/02/25	JB	07/01/25	OP27972	GFP2436

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

DA73360-1

CAS No.	Compound	DA73339-9 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD

CAS No.	Surrogate Recoveries	MS	MSD	DA73339-9	Limits
84-15-1	o-Terphenyl	89%	86%	88%	20-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA73360
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27979-MS1	FP081961.D	1	07/03/25	JB	07/02/25	OP27979	GFP2437
OP27979-MSD1	FP081962.D	1	07/03/25	JB	07/02/25	OP27979	GFP2437

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

DA73360-1, DA73360-2

CAS No.	Compound	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)			200	256	128	212	203	96	23	59-130/30

CAS No.	Surrogate Recoveries	MS	MSD	Limits
84-15-1	o-Terphenyl	105%	107%	20-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA73360
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27979-MS2	FP081963.D	1	07/03/25	JB	07/02/25	OP27979	GFP2437
OP27979-MSD2	FP081964.D	1	07/03/25	JB	07/02/25	OP27979	GFP2437
DA73339-10	FP081968.D	1	07/03/25	JB	07/02/25	OP27979	GFP2437

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

DA73360-1, DA73360-2

CAS No.	Compound	DA73339-10 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)	19.3		225	271	112	206	258	116	5	70-153/30

CAS No.	Surrogate Recoveries	MS	MSD	DA73339-10	Limits
84-15-1	o-Terphenyl	92%	96%	93%	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: DA73360
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

QC Batch ID: MP41789
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/02/25

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	5.5	<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 MP41789: DA73360-1B, DA73360-2B

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA73360
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

QC Batch ID: MP41789
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/02/25

Metal	RL	IDL	MDL	MB raw	final

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA73360
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

QC Batch ID: MP41789
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/02/25

Metal	DA73370-18B Original	DUP	RPD	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	10100	541	179.7*(a	0-20
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 MP41789: DA73360-1B, DA73360-2B

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA73360
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

QC Batch ID: MP41789
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/02/25

	DA73370-18B		QC
Metal	Original DUP	RPD	Limits

(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Duplicate outside of control limits. Blank spike in control.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA73360
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

QC Batch ID: MP41789
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/02/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	9710	10000	97.1	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 MP41789: DA73360-1B, DA73360-2B

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA73360
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

QC Batch ID: MP41789
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/02/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits

(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA73360
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

QC Batch ID: MP41789
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/02/25

Metal	DA73370-18B Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	2010	1990	1.4	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 MP41789: DA73360-1B, DA73360-2B

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA73360
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

QC Batch ID: MP41789
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/02/25

	DA73370-18B		QC
Metal	Original SDL 1:5	%DIF	Limits

(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA73360
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

QC Batch ID: MP41790
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 07/02/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	25	.26	2.5		
Antimony	0.20	.005	.025		
Arsenic	0.10	.025	.025	0.047	<0.10
Barium	1.0	.048	.12	0.30	<1.0
Beryllium	0.10	.038	.02		
Boron	20	9.1	5		
Cadmium	0.050	.015	.02	0.017	<0.050
Calcium	200	13	15		
Chromium	1.0	.043	.3		
Cobalt	0.10	.02	.013		
Copper	1.0	.025	.13	0.030	<1.0
Iron	10	.8	7.5		
Lead	0.25	.047	.1	0.0045	<0.25
Magnesium	50	5	5		
Manganese	0.50	.04	.1		
Molybdenum	0.50	.019	.14		
Nickel	1.0	.049	.1	0.031	<1.0
Phosphorus	30	3.8	13		
Potassium	100	1	13		
Selenium	0.20	.025	.025	0.028	<0.20
Silver	0.050	.0041	.015	0.0065	<0.050
Sodium	250	5	15		
Strontium	10	.05	.5		
Thallium	0.10	.016	.02		
Tin	5.0	.11	2		
Titanium	1.0	.025	.15		
Uranium	0.10	.0074	.05		
Vanadium	0.50	.071	.1		
Zinc	5.0	.025	.5	-0.41	<5.0

Associated samples MP41790: DA73360-1, DA73360-2

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: DA73360
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

QC Batch ID: MP41790
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 07/02/25

Metal	DA73360-1 Original	MS	Spikelot ICPMS6	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	2.3	68.6	101	65.5N(a)	75-125
Barium	20.4	150	203	64.0N(a)	75-125
Beryllium					
Boron					
Cadmium	0.067	35.8	50.6	70.6N(a)	75-125
Calcium					
Chromium					
Cobalt					
Copper	2.1	37.1	50.6	69.1N(a)	75-125
Iron					
Lead	2.7	72.4	101	68.8N(a)	75-125
Magnesium					
Manganese					
Molybdenum					
Nickel	2.0	36.2	50.6	67.5N(a)	75-125
Phosphorus					
Potassium					
Selenium	0.15	66.9	101	65.9N(a)	75-125
Silver	0.0090	15.0	20.3	74.0N(a)	75-125
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc	10.2	40.2	50.6	59.2N(a)	75-125

Associated samples MP41790: DA73360-1, DA73360-2

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
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA73360
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

QC Batch ID: MP41790 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 07/02/25

Metal	DA73360-1 Original	MSD	Spikelot ICPMS6	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	2.3	67.7	98.4	66.5N(a)	1.3	20
Barium	20.4	152	197	66.9N(a)	1.3	20
Beryllium						
Boron						
Cadmium	0.067	35.8	49.2	72.6N(a)	0.0	20
Calcium						
Chromium						
Cobalt						
Copper	2.1	36.9	49.2	70.7N(a)	0.5	20
Iron						
Lead	2.7	72.6	98.4	71.0N(a)	0.3	20
Magnesium						
Manganese						
Molybdenum						
Nickel	2.0	36.2	49.2	69.5N(a)	0.0	20
Phosphorus						
Potassium						
Selenium	0.15	66.7	98.4	67.6N(a)	0.3	20
Silver	0.0090	15.1	19.7	76.7	0.7	20
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc	10.2	39.9	49.2	60.4N(a)	0.7	20

Associated samples MP41790: DA73360-1, DA73360-2

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
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA73360
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

QC Batch ID: MP41790
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 07/02/25

Metal	BSP Result	Spikelot ICPMS6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	103	100	103.0	80-120
Barium	198	200	99.0	80-120
Beryllium				
Boron				
Cadmium	53.1	50	106.2	80-120
Calcium				
Chromium				
Cobalt				
Copper	53.9	50	107.8	80-120
Iron				
Lead	105	100	105.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel	53.4	50	106.8	80-120
Phosphorus				
Potassium				
Selenium	104	100	104.0	80-120
Silver	21.8	20	109.0	80-120
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	49.9	50	99.8	80-120

Associated samples MP41790: DA73360-1, DA73360-2

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA73360
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

QC Batch ID: MP41790
Matrix Type: SOLID

Methods: SW846 6020B
Units: ug/l

Prep Date: 07/02/25

Metal	DA73360-1 Original	SDL 5:25	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	23.0	22.5	1.8	0-20
Barium	201	206	2.7	0-20
Beryllium				
Boron				
Cadmium	0.659	0.00	100.0(a)	0-20
Calcium				
Chromium				
Cobalt				
Copper	20.4	19.8	2.9	0-20
Iron				
Lead	26.5	23.5	11.5	0-20
Magnesium				
Manganese				
Molybdenum				
Nickel	19.6	19.5	0.4	0-20
Phosphorus				
Potassium				
Selenium	1.45	0.00	100.0(a)	0-20
Silver	0.0892	0.00	100.0(a)	0-20
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	101	93.7	7.4	0-20

Associated samples MP41790: DA73360-1, DA73360-2

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: DA73360
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

QC Batch ID: MP41835
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/10/25

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	125	<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	-78	<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	407	<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 MP41835: DA73360-1A, DA73360-2A

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA73360
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

QC Batch ID: MP41835
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/10/25

Metal	RL	IDL	MDL	MB raw	final

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA73360
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

QC Batch ID: MP41835
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/10/25

Metal	DA73370-1A Original	MS	Spikelot ICPALL6	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium	36300	455000	375000	111.7	75-125
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Lithium					
Magnesium	16000	426000	375000	109.3	75-125
Manganese					
Molybdenum					
Nickel					
Phosphorus					
Potassium					
Selenium					
Silicon					
Silver					
Sodium	23300	435000	375000	109.8	75-125
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc					

Associated samples MP41835: DA73360-1A, DA73360-2A

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA73360
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

QC Batch ID: MP41835 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 07/10/25

Metal	DA73370-1A 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: DA73360
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

QC Batch ID: MP41835 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 07/10/25

Metal	DA73370-1A Original	MSD	Spikelot ICPALL6	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium	36300	446000	375000	109.3	2.0	20
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Lithium						
Magnesium	16000	415000	375000	106.4	2.6	20
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium						
Silicon						
Silver						
Sodium	23300	427000	375000	107.7	1.9	20
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc						

Associated samples MP41835: DA73360-1A, DA73360-2A

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA73360
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

QC Batch ID: MP41835 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 07/10/25

Metal	DA73370-1A 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: DA73360
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

QC Batch ID: MP41835
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/10/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	411000	375000	109.6	80-120
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	406000	375000	108.3	80-120
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	409000	375000	109.1	80-120
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP41835: DA73360-1A, DA73360-2A

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA73360
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

QC Batch ID: MP41835
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/10/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits

(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA73360
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

QC Batch ID: MP41835
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/10/25

Metal	DA73370-1A Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	2420	2410	0.4	0-10
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	1070	1030	3.7	0-10
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	1550	1610	3.9	0-10
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP41835: DA73360-1A, DA73360-2A

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA73360
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

QC Batch ID: MP41835
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/10/25

	DA73370-1A		QC
Metal	Original SDL 1:5	%DIF	Limits

(anr) Analyte not requested

General Chemistry

QC Data Summaries

Includes the following where applicable:

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

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA73360
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Specific Conductivity	GP38925/GN67727			mmhos/cm	1.409	1.4	101.3	90-110%

Associated Samples:
Batch GP38925: DA73360-1, DA73360-2
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA73360
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Cache 66N63W 17NENW

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GP38925/GN67727	DA73343-9	mmhos/cm	1.4	1.4	0.7	0-20%
pH	GN67729	DA73344-21	su	7.73	7.85	0.2	0-5%

Associated Samples:
Batch GN67729: DA73360-1, DA73360-2
Batch GP38925: DA73360-1, DA73360-2
(*) Outside of QC limits

Misc. Forms

Custody Documents and Other Forms

(SGS Dayton, NJ)

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 FAX: 303-425-6854
www.sgs.com/ehsusa

SO SO

FED-EX Tracking # 744490773860 | Bottle Order Control # | SGS Quote # | SGS Job # DA73360

Client / Reporting Information	Project Information	Billing Information (if different from Report to)
Company Name: SGS North America Inc.	Project Name: TASMCOA: Cache 66N63W 17NENW	Company Name
Street Address: 4036 Youngfield Street	Street	Street Address
City: Wheat Ridge, State: CO Zip: 8003	City State	City State Zip
Project Contact: parna.eskandaripayandeh@sgs.com E-mail	Project #	
Phone #: 303-425-6021 Fax #	Client Purchase Order #	
Sampler(s) Name(s): EC Phone	Project Manager	Attention:

Requested Analysis (see TEST CODE sheet)

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

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	XCRA7199	LAB USE ONLY
1	AST01@0-6"		7/1/25	9:40:00 AM	EC	SO										X	L2T2
2	AST02@0-6"		7/1/25	9:55:00 AM	EC	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 7/10/2025

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

Data Deliverable Information

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

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

Comments / Special Instructions

Initial Assessment MB3B
Label Verification

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

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

Relinquished by Sampler: 1	Date Time: 7-2-25	Received By: 1 FEDEX	Relinquished By: 2 FEDEX 7/3/25	Date Time: 10:30	Received By: 2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal # ☐ Intact ☐ Not intact	Preserved where applicable ☐ Therm. ID:	On Ice ☐ Cooler Temp. 0.9°/2.5°

10.1 10

DA73360: Chain of Custody
Page 1 of 2
SGS Dayton, NJ

SGS Sample Receipt Summary

Job Number: DA73360 **Client:** SGS NORTH AMERICA INC. **Project:** TASMCOA: CACHE 66N63W 17NENW

Date / Time Received: 7/3/2025 10:30:00 AM **Delivery Method:** FEDEX **Airbill #'s:** 744490773860

Cooler Temps (Raw Measured) °C: Cooler 1: (0.9);

Cooler Temps (Corrected) °C: Cooler 1: (0.9);

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

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

Quality Control Preservatio	Y	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	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

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

Sample Integrity - Instructions	Y	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

DA73360: 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: DA73360
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA: Cache 66N63W 17NENW Tank Battery

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chromium, Hexavalent	GP62408/GN70809	0.40	0.0	mg/kg	40	37.9	94.8	80-120%
Chromium, Hexavalent	GP62408/GN70809			mg/kg	1100	1000	90.9	80-120%

Associated Samples:
Batch GP62408: DA73360-1, DA73360-2
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA73360
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA: Cache 66N63W 17NENW Tank Battery

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chromium, Hexavalent	GP62408/GN70809	DA73370-10	mg/kg	0.0	0.0	0.0	0-20%

Associated Samples:
Batch GP62408: DA73360-1, DA73360-2
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA73360
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA: Cache 66N63W 17NENW Tank Battery

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chromium, Hexavalent	GP62408/GN70809	DA73370-10	mg/kg	0.0	44.3	39.0	88.0(a)	75-125%
Chromium, Hexavalent	GP62408/GN70809	DA73370-10	mg/kg	0.0	1090	1020	93.2(b)	75-125%

Associated Samples:
Batch GP62408: DA73360-1, DA73360-2
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Good recovery on soluble XCR matrix spike. Good recovery (97.9) on the post-spike.
(b) Good recovery on insoluble XCR matrix spike. See additional comments on soluble matrix spike recovery.