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

e-Hardcopy 2.0
Automated Report

Technical Report for

Chevron USA, Inc.

TASMCOA: Vern Marshall 1

6270

SGS Job Number: DA75869

Sampling Date: 10/02/25

Report to:

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

ATTN: Bryce Goldade

Total number of pages in report: **114**

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: Joseph Rhoades 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)

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

How did we do today?
Your feedback helps us improve our service and takes less than a minute to complete.
START SURVEY

SGS is the sole authority for authorizing edits or modifications to this document.
Unauthorized modification of this report is strictly prohibited.
Review standard terms at: http://www.sgs.com/en/terms-and-conditions

Please share your ideas about how we can serve you better at:
EHS.US.CustomerCare@sgs.com

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

Table of Contents

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

Table of Contents

Sample Summary

Chevron USA, Inc.

Job No: DA75869

TASMCOA: Vern Marshall 1
Project No: 6270

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
DA75869-1	10/02/25	10:56	EL	10/02/25	SO	Soil	SS01-B@4'
DA75869-1A	10/02/25	10:56	EL	10/02/25	SO	Soil	SS01-B@4'
DA75869-1B	10/02/25	10:56	EL	10/02/25	SO	Soil	SS01-B@4'
DA75869-1C	10/02/25	10:56	EL	10/02/25	SO	Soil	SS01-B@4'
DA75869-2	10/02/25	11:00	EL	10/02/25	SO	Soil	SS02-B@4'
DA75869-2A	10/02/25	11:00	EL	10/02/25	SO	Soil	SS02-B@4'
DA75869-2B	10/02/25	11:00	EL	10/02/25	SO	Soil	SS02-B@4'
DA75869-2C	10/02/25	11:00	EL	10/02/25	SO	Soil	SS02-B@4'
DA75869-3	10/02/25	11:05	EL	10/02/25	SO	Soil	SS03-B@4'
DA75869-3A	10/02/25	11:05	EL	10/02/25	SO	Soil	SS03-B@4'
DA75869-3B	10/02/25	11:05	EL	10/02/25	SO	Soil	SS03-B@4'
DA75869-3C	10/02/25	11:05	EL	10/02/25	SO	Soil	SS03-B@4'
DA75869-4	10/02/25	11:09	EL	10/02/25	SO	Soil	SS04-B@4'

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

Sample Summary
(continued)

Chevron USA, Inc.

Job No: DA75869

TASMCOA: Vern Marshall 1
Project No: 6270

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
DA75869-4A	10/02/25	11:09	EL	10/02/25	SO	Soil	SS04-B@4'
DA75869-4B	10/02/25	11:09	EL	10/02/25	SO	Soil	SS04-B@4'
DA75869-4C	10/02/25	11:09	EL	10/02/25	SO	Soil	SS04-B@4'
DA75869-5	10/02/25	13:35	EL	10/02/25	SO	Soil	FS01-B@6'
DA75869-5A	10/02/25	13:35	EL	10/02/25	SO	Soil	FS01-B@6'
DA75869-5B	10/02/25	13:35	EL	10/02/25	SO	Soil	FS01-B@6'
DA75869-5C	10/02/25	13:35	EL	10/02/25	SO	Soil	FS01-B@6'

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

Summary of Hits

Job Number: DA75869
Account: Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1
Collected: 10/02/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA75869-1	**SS01-B@4'**					
TPH-DRO (C10-C28)		16.6	4.4		mg/kg	SW846-8015C
TPH-ORO (> C28-C36)		29.7	6.5		mg/kg	SW846-8015C
DA75869-1A	**SS01-B@4'**					
Calcium		59.7	6.0		mg/l	SW846 6010C
Magnesium		10.3	3.0		mg/l	SW846 6010C
Sodium		18.9	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		0.594			ratio	USDA HANDBOOK 60
DA75869-1B	**SS01-B@4'**					
No hits reported in this sample.						
DA75869-1C	**SS01-B@4'**					
Arsenic		2.4	0.22		mg/kg	SW846 6020B
Barium		62.0	2.2		mg/kg	SW846 6020B
Cadmium		0.12	0.11		mg/kg	SW846 6020B
Copper		7.8	2.2		mg/kg	SW846 6020B
Lead		7.8	0.54		mg/kg	SW846 6020B
Nickel		5.6	2.2		mg/kg	SW846 6020B
Zinc		26.0	11		mg/kg	SW846 6020B
pH		7.77			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.45	0.0010		mmhos/cm	SM 2510B-2011 MOD
Chromium, Hexavalent [b]		0.51	0.44		mg/kg	SW846 3060A/7199
DA75869-2	**SS02-B@4'**					
No hits reported in this sample.						
DA75869-2A	**SS02-B@4'**					
Calcium		35.0	6.0		mg/l	SW846 6010C
Magnesium		7.37	3.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		0.228			ratio	USDA HANDBOOK 60
DA75869-2B	**SS02-B@4'**					
No hits reported in this sample.						

Summary of Hits

Job Number: DA75869
Account: Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1
Collected: 10/02/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA75869-2C	**SS02-B@4'**					
Arsenic		1.6	0.21		mg/kg	SW846 6020B
Barium		51.2	2.1		mg/kg	SW846 6020B
Copper		3.6	2.1		mg/kg	SW846 6020B
Lead		4.0	0.53		mg/kg	SW846 6020B
Nickel		4.7	2.1		mg/kg	SW846 6020B
Zinc		14.8	11		mg/kg	SW846 6020B
pH		7.54			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.28	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA75869-3	**SS03-B@4'**					
No hits reported in this sample.						
DA75869-3A	**SS03-B@4'**					
Calcium		37.4	6.0		mg/l	SW846 6010C
Magnesium		9.74	3.0		mg/l	SW846 6010C
Sodium		24.1	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		0.907			ratio	USDA HANDBOOK 60
DA75869-3B	**SS03-B@4'**					
No hits reported in this sample.						
DA75869-3C	**SS03-B@4'**					
Arsenic		2.0	0.21		mg/kg	SW846 6020B
Barium		56.9	2.1		mg/kg	SW846 6020B
Copper		4.9	2.1		mg/kg	SW846 6020B
Lead		5.1	0.52		mg/kg	SW846 6020B
Nickel		7.0	2.1		mg/kg	SW846 6020B
Zinc		20.0	10		mg/kg	SW846 6020B
pH		7.28			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.42	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA75869-4	**SS04-B@4'**					
No hits reported in this sample.						
DA75869-4A	**SS04-B@4'**					
Calcium		44.3	6.0		mg/l	SW846 6010C
Magnesium		10.4	3.0		mg/l	SW846 6010C

Summary of Hits

Job Number: DA75869
Account: Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1
Collected: 10/02/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Sodium		70.0	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		2.46			ratio	USDA HANDBOOK 60
DA75869-4B	**SS04-B@4'**					
No hits reported in this sample.						
DA75869-4C	**SS04-B@4'**					
Arsenic		2.9	0.23		mg/kg	SW846 6020B
Barium		81.3	2.3		mg/kg	SW846 6020B
Copper		7.2	2.3		mg/kg	SW846 6020B
Lead		8.3	0.57		mg/kg	SW846 6020B
Nickel		8.8	2.3		mg/kg	SW846 6020B
Zinc		28.6	11		mg/kg	SW846 6020B
pH		7.88			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.53	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA75869-5	**FS01-B@6'**					
No hits reported in this sample.						
DA75869-5A	**FS01-B@6'**					
Calcium		41.2	6.0		mg/l	SW846 6010C
Magnesium		11.6	3.0		mg/l	SW846 6010C
Sodium		27.8	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		0.985			ratio	USDA HANDBOOK 60
DA75869-5B	**FS01-B@6'**					
No hits reported in this sample.						
DA75869-5C	**FS01-B@6'**					
Arsenic		4.4	0.23		mg/kg	SW846 6020B
Barium		124	2.3		mg/kg	SW846 6020B
Cadmium		0.17	0.12		mg/kg	SW846 6020B
Copper		11.5	2.3		mg/kg	SW846 6020B
Lead		10.4	0.58		mg/kg	SW846 6020B
Nickel		12.5	2.3		mg/kg	SW846 6020B
Zinc		41.6	12		mg/kg	SW846 6020B
pH		7.86			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.42	0.0010		mmhos/cm	SM 2510B-2011 MOD

Summary of Hits

Job Number: DA75869
Account: Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1
Collected: 10/02/25

Lab Sample ID	Client Sample ID	Result/				
Analyte		Qual	RL	MDL	Units	Method

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]
(b) Analysis performed at SGS Dayton, NJ.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS01-B@4'		
Lab Sample ID:	DA75869-1	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
Method:	SW846 8260D	**Percent Solids:**	91.0
Project:	TASMCOA: Vern Marshall 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V95047.D	1	10/02/25 19:12	MB	n/a	n/a	V5V4520
Run #2							

	Initial Weight	Final Volume
Run #1	5.03 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	< 0.0022	0.0022	mg/kg	
108-88-3	Toluene	< 0.0022	0.0022	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	< 0.0022	0.0022	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	< 0.0022	0.0022	mg/kg	
	m,p-Xylene	< 0.0022	0.0022	mg/kg	
95-47-6	o-Xylene	< 0.0022	0.0022	mg/kg	
1330-20-7	Xylene (total)	< 0.0022	0.0022	mg/kg	
	TPH-GRO (C6-C10)	< 0.22	0.22	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		70-130%
2037-26-5	Toluene-D8	96%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%
17060-07-0	1,2-Dichloroethane-D4	105%		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:	SS01-B@4'		
Lab Sample ID:	DA75869-1	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	91.0
Project:	TASMCOA: Vern Marshall 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G60824.D	1	10/03/25 03:40	ZL	10/02/25 19:45	OP28769	E3G2924
Run #2							

	Initial Weight	Final Volume
Run #1	5.1 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	98%		22-138%
4165-60-0	Nitrobenzene-d5	105%		32-143%
1718-51-0	Terphenyl-d14	95%		48-149%

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

Report of Analysis

Client Sample ID:	SS01-B@4'		
Lab Sample ID:	DA75869-1	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	91.0
Project:	TASMCOA: Vern Marshall 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW48144.D	1	10/03/25 03:07	JB	10/02/25 00:18	OP28771	GLW1126
Run #2							

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

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	16.6	4.4	mg/kg	
	TPH-ORO (> C28-C36)	29.7	6.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		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:	SS01-B@4'		
Lab Sample ID:	DA75869-1A	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
		Percent Solids:	91.0
Project:	TASMCOA: Vern Marshall 1		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	59.7	6.0	mg/l	1	10/06/25	10/13/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	10.3	3.0	mg/l	1	10/06/25	10/13/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	18.9	6.0	mg/l	1	10/06/25	10/13/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19722
(2) Prep QC Batch: MP43407

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS01-B@4'		
Lab Sample ID:	DA75869-1A	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
		Percent Solids:	91.0
Project:	TASMCOA: Vern Marshall 1		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.594		ratio	1	10/13/25 21:37	BR	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS01-B@4'		
Lab Sample ID:	DA75869-1B	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
		Percent Solids:	91.0
Project:	TASMCOA: Vern Marshall 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	10/03/25	10/09/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19711
(2) Prep QC Batch: MP43362

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS01-B@4'		
Lab Sample ID:	DA75869-1C	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
		Percent Solids:	91.0
Project:	TASMCOA: Vern Marshall 1		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.4	0.22	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	62.0	2.2	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.12	0.11	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	7.8	2.2	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	7.8	0.54	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	5.6	2.2	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.22	0.22	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.11	0.11	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	26.0	11	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19705
(2) Prep QC Batch: MP43365

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS01-B@4'		
Lab Sample ID:	DA75869-1C	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
		Percent Solids:	91.0
Project:	TASMCOA: Vern Marshall 1		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
pH-saturated paste method							
pH	7.77		su	1	10/06/25 12:49	SN	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.45	0.0010	mmhos/cm	1	10/06/25 13:00	SN	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	0.51	0.44	mg/kg	1	10/31/25 14:48	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS02-B@4'		
Lab Sample ID:	DA75869-2	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
Method:	SW846 8260D	**Percent Solids:**	94.2
Project:	TASMCOA: Vern Marshall 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V95048.D	1	10/02/25 19:35	MB	n/a	n/a	V5V4520
Run #2							

	Initial Weight	Final Volume
Run #1	5.35 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	< 0.00099	0.00099	mg/kg	
100-41-4	Ethylbenzene	< 0.0020	0.0020	mg/kg	
108-88-3	Toluene	< 0.0020	0.0020	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	< 0.0020	0.0020	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	< 0.0020	0.0020	mg/kg	
	m,p-Xylene	< 0.0020	0.0020	mg/kg	
95-47-6	o-Xylene	< 0.0020	0.0020	mg/kg	
1330-20-7	Xylene (total)	< 0.0020	0.0020	mg/kg	
	TPH-GRO (C6-C10)	< 0.20	0.20	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-130%
2037-26-5	Toluene-D8	96%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%
17060-07-0	1,2-Dichloroethane-D4	106%		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:	SS02-B@4'		
Lab Sample ID:	DA75869-2	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	94.2
Project:	TASMCOA: Vern Marshall 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G60825.D	1	10/03/25 04:02	ZL	10/02/25 19:45	OP28769	E3G2924
Run #2							

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

COGCC Table 915-1 PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	< 0.0041	0.0041	mg/kg	
120-12-7	Anthracene	< 0.0041	0.0041	mg/kg	
56-55-3	Benzo(a)anthracene	< 0.0051	0.0051	mg/kg	
205-99-2	Benzo(b)fluoranthene	< 0.0041	0.0041	mg/kg	
207-08-9	Benzo(k)fluoranthene	< 0.0041	0.0041	mg/kg	
50-32-8	Benzo(a)pyrene	< 0.0041	0.0041	mg/kg	
218-01-9	Chrysene	< 0.0041	0.0041	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	< 0.0041	0.0041	mg/kg	
206-44-0	Fluoranthene	< 0.0041	0.0041	mg/kg	
86-73-7	Fluorene	< 0.0041	0.0041	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	< 0.0041	0.0041	mg/kg	
90-12-0	1-Methylnaphthalene	< 0.0041	0.0041	mg/kg	
91-57-6	2-Methylnaphthalene	< 0.0041	0.0041	mg/kg	
91-20-3	Naphthalene	< 0.0020	0.0020	mg/kg	
129-00-0	Pyrene	< 0.0041	0.0041	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	95%		22-138%
4165-60-0	Nitrobenzene-d5	106%		32-143%
1718-51-0	Terphenyl-d14	93%		48-149%

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

Report of Analysis

Client Sample ID:	SS02-B@4'		
Lab Sample ID:	DA75869-2	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	94.2
Project:	TASMCOA: Vern Marshall 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW48145.D	1	10/03/25 03:20	JB	10/02/25 00:18	OP28771	GLW1126
Run #2							

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

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	< 4.2	4.2	mg/kg	
	TPH-ORO (> C28-C36)	< 6.3	6.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		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:	SS02-B@4'		
Lab Sample ID:	DA75869-2A	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
		Percent Solids:	94.2
Project:	TASMCOA: Vern Marshall 1		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	35.0	6.0	mg/l	1	10/06/25	10/13/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	7.37	3.0	mg/l	1	10/06/25	10/13/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	< 6.0	6.0	mg/l	1	10/06/25	10/13/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19722
(2) Prep QC Batch: MP43407

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS02-B@4'		
Lab Sample ID:	DA75869-2A	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
		Percent Solids:	94.2
Project:	TASMCOA: Vern Marshall 1		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.228		ratio	1	10/13/25 21:38	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:	SS02-B@4'		
Lab Sample ID:	DA75869-2B	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
		Percent Solids:	94.2
Project:	TASMCOA: Vern Marshall 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	10/03/25	10/09/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19711
(2) Prep QC Batch: MP43362

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS02-B@4'		
Lab Sample ID:	DA75869-2C	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
		Percent Solids:	94.2
Project:	TASMCOA: Vern Marshall 1		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.6	0.21	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	51.2	2.1	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	< 0.11	0.11	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	3.6	2.1	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	4.0	0.53	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	4.7	2.1	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.21	0.21	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.11	0.11	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	14.8	11	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19705
(2) Prep QC Batch: MP43365

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS02-B@4'		
Lab Sample ID:	DA75869-2C	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
		Percent Solids:	94.2
Project:	TASMCOA: Vern Marshall 1		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
pH-saturated paste method							
pH	7.54		su	1	10/06/25 12:49	SN	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.28	0.0010	mmhos/cm	1	10/06/25 13:00	SN	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.42	0.42	mg/kg	1	10/31/25 15:04	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS03-B@4'		
Lab Sample ID:	DA75869-3	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
Method:	SW846 8260D	**Percent Solids:**	92.2
Project:	TASMCOA: Vern Marshall 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V95049.D	1	10/02/25 19:58	MB	n/a	n/a	V5V4520
Run #2							

	Initial Weight	Final Volume
Run #1	5.04 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	< 0.0022	0.0022	mg/kg	
108-88-3	Toluene	< 0.0022	0.0022	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	< 0.0022	0.0022	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	< 0.0022	0.0022	mg/kg	
	m,p-Xylene	< 0.0022	0.0022	mg/kg	
95-47-6	o-Xylene	< 0.0022	0.0022	mg/kg	
1330-20-7	Xylene (total)	< 0.0022	0.0022	mg/kg	
	TPH-GRO (C6-C10)	< 0.22	0.22	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		70-130%
2037-26-5	Toluene-D8	96%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%
17060-07-0	1,2-Dichloroethane-D4	107%		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:	SS03-B@4'		
Lab Sample ID:	DA75869-3	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	92.2
Project:	TASMCOA: Vern Marshall 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G60826.D	1	10/03/25 04:24	ZL	10/02/25 19:45	OP28769	E3G2924
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	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	96%		22-138%
4165-60-0	Nitrobenzene-d5	106%		32-143%
1718-51-0	Terphenyl-d14	92%		48-149%

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

Report of Analysis

Client Sample ID:	SS03-B@4'		
Lab Sample ID:	DA75869-3	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	92.2
Project:	TASMCOA: Vern Marshall 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW48146.D	1	10/03/25 03:34	JB	10/02/25 00:18	OP28771	GLW1126
Run #2							

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

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	< 4.2	4.2	mg/kg	
	TPH-ORO (> C28-C36)	< 6.3	6.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		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:	SS03-B@4'		
Lab Sample ID:	DA75869-3A	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
		Percent Solids:	92.2
Project:	TASMCOA: Vern Marshall 1		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	37.4	6.0	mg/l	1	10/06/25	10/13/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	9.74	3.0	mg/l	1	10/06/25	10/13/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	24.1	6.0	mg/l	1	10/06/25	10/13/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19722
(2) Prep QC Batch: MP43408

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS03-B@4'		
Lab Sample ID:	DA75869-3A	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
		Percent Solids:	92.2
Project:	TASMCOA: Vern Marshall 1		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.907		ratio	1	10/13/25 21:44	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:	SS03-B@4'		
Lab Sample ID:	DA75869-3B	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
		Percent Solids:	92.2
Project:	TASMCOA: Vern Marshall 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	10/03/25	10/09/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19711
(2) Prep QC Batch: MP43362

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS03-B@4'		
Lab Sample ID:	DA75869-3C	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
		Percent Solids:	92.2
Project:	TASMCOA: Vern Marshall 1		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.0	0.21	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	56.9	2.1	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	< 0.10	0.10	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	4.9	2.1	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	5.1	0.52	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	7.0	2.1	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.21	0.21	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.10	0.10	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	20.0	10	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19705
(2) Prep QC Batch: MP43365

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS03-B@4'		
Lab Sample ID:	DA75869-3C	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
		Percent Solids:	92.2
Project:	TASMCOA: Vern Marshall 1		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
pH-saturated paste method							
pH	7.28		su	1	10/06/25 12:49	SN	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.42	0.0010	mmhos/cm	1	10/06/25 13:00	SN	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.45	0.45	mg/kg	1	10/31/25 15:28	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS04-B@4'		
Lab Sample ID:	DA75869-4	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
Method:	SW846 8260D	**Percent Solids:**	86.1
Project:	TASMCOA: Vern Marshall 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V95050.D	1	10/02/25 20:21	MB	n/a	n/a	V5V4520
Run #2							

	Initial Weight	Final Volume
Run #1	5.22 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	< 0.0022	0.0022	mg/kg	
108-88-3	Toluene	< 0.0022	0.0022	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	< 0.0022	0.0022	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	< 0.0022	0.0022	mg/kg	
	m,p-Xylene	< 0.0022	0.0022	mg/kg	
95-47-6	o-Xylene	< 0.0022	0.0022	mg/kg	
1330-20-7	Xylene (total)	< 0.0022	0.0022	mg/kg	
	TPH-GRO (C6-C10)	< 0.22	0.22	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	99%		70-130%
17060-07-0	1,2-Dichloroethane-D4	107%		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:	SS04-B@4'		
Lab Sample ID:	DA75869-4	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	86.1
Project:	TASMCOA: Vern Marshall 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G60827.D	1	10/03/25 04:46	ZL	10/02/25 19:45	OP28769	E3G2924
Run #2							

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

COGCC Table 915-1 PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	< 0.0045	0.0045	mg/kg	
120-12-7	Anthracene	< 0.0045	0.0045	mg/kg	
56-55-3	Benzo(a)anthracene	< 0.0056	0.0056	mg/kg	
205-99-2	Benzo(b)fluoranthene	< 0.0045	0.0045	mg/kg	
207-08-9	Benzo(k)fluoranthene	< 0.0045	0.0045	mg/kg	
50-32-8	Benzo(a)pyrene	< 0.0045	0.0045	mg/kg	
218-01-9	Chrysene	< 0.0045	0.0045	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	< 0.0045	0.0045	mg/kg	
206-44-0	Fluoranthene	< 0.0045	0.0045	mg/kg	
86-73-7	Fluorene	< 0.0045	0.0045	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	< 0.0045	0.0045	mg/kg	
90-12-0	1-Methylnaphthalene	< 0.0045	0.0045	mg/kg	
91-57-6	2-Methylnaphthalene	< 0.0045	0.0045	mg/kg	
91-20-3	Naphthalene	< 0.0022	0.0022	mg/kg	
129-00-0	Pyrene	< 0.0045	0.0045	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	80%		22-138%
4165-60-0	Nitrobenzene-d5	98%		32-143%
1718-51-0	Terphenyl-d14	86%		48-149%

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

Report of Analysis

Client Sample ID:	SS04-B@4'		
Lab Sample ID:	DA75869-4	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	86.1
Project:	TASMCOA: Vern Marshall 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW48147.D	1	10/03/25 03:47	JB	10/02/25 00:18	OP28771	GLW1126
Run #2							

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

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	< 4.6	4.6	mg/kg	
	TPH-ORO (> C28-C36)	< 6.9	6.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	78%		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:	SS04-B@4'		
Lab Sample ID:	DA75869-4A	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
		Percent Solids:	86.1
Project:	TASMCOA: Vern Marshall 1		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	44.3	6.0	mg/l	1	10/06/25	10/14/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	10.4	3.0	mg/l	1	10/06/25	10/14/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	70.0	6.0	mg/l	1	10/06/25	10/14/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19722
(2) Prep QC Batch: MP43408

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS04-B@4'		
Lab Sample ID:	DA75869-4A	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
		Percent Solids:	86.1
Project:	TASMCOA: Vern Marshall 1		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	2.46		ratio	1	10/14/25 08:38	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:	SS04-B@4'		
Lab Sample ID:	DA75869-4B	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
		Percent Solids:	86.1
Project:	TASMCOA: Vern Marshall 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	10/03/25	10/09/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19711
(2) Prep QC Batch: MP43362

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS04-B@4'		
Lab Sample ID:	DA75869-4C	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
		Percent Solids:	86.1
Project:	TASMCOA: Vern Marshall 1		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.9	0.23	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	81.3	2.3	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	< 0.11	0.11	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	7.2	2.3	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	8.3	0.57	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	8.8	2.3	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.23	0.23	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.11	0.11	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	28.6	11	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19705
(2) Prep QC Batch: MP43365

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS04-B@4'		
Lab Sample ID:	DA75869-4C	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
		Percent Solids:	86.1
Project:	TASMCOA: Vern Marshall 1		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
pH-saturated paste method							
pH	7.88		su	1	10/06/25 12:49	SN	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.53	0.0010	mmhos/cm	1	10/06/25 13:00	SN	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.46	0.46	mg/kg	1	10/31/25 15:36	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FS01-B@6'		
Lab Sample ID:	DA75869-5	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
Method:	SW846 8260D	**Percent Solids:**	82.0
Project:	TASMCOA: Vern Marshall 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V95051.D	1	10/02/25 20:44	MB	n/a	n/a	V5V4520
Run #2							

	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	< 0.0012	0.0012	mg/kg	
100-41-4	Ethylbenzene	< 0.0024	0.0024	mg/kg	
108-88-3	Toluene	< 0.0024	0.0024	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	< 0.0024	0.0024	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	< 0.0024	0.0024	mg/kg	
	m,p-Xylene	< 0.0024	0.0024	mg/kg	
95-47-6	o-Xylene	< 0.0024	0.0024	mg/kg	
1330-20-7	Xylene (total)	< 0.0024	0.0024	mg/kg	
	TPH-GRO (C6-C10)	< 0.24	0.24	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		70-130%
2037-26-5	Toluene-D8	96%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%
17060-07-0	1,2-Dichloroethane-D4	106%		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:	FS01-B@6'		
Lab Sample ID:	DA75869-5	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	82.0
Project:	TASMCOA: Vern Marshall 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G60828.D	1	10/03/25 05:08	ZL	10/02/25 19:45	OP28769	E3G2924
Run #2							

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

COGCC Table 915-1 PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	< 0.0048	0.0048	mg/kg	
120-12-7	Anthracene	< 0.0048	0.0048	mg/kg	
56-55-3	Benzo(a)anthracene	< 0.0060	0.0060	mg/kg	
205-99-2	Benzo(b)fluoranthene	< 0.0048	0.0048	mg/kg	
207-08-9	Benzo(k)fluoranthene	< 0.0048	0.0048	mg/kg	
50-32-8	Benzo(a)pyrene	< 0.0048	0.0048	mg/kg	
218-01-9	Chrysene	< 0.0048	0.0048	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	< 0.0048	0.0048	mg/kg	
206-44-0	Fluoranthene	< 0.0048	0.0048	mg/kg	
86-73-7	Fluorene	< 0.0048	0.0048	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	< 0.0048	0.0048	mg/kg	
90-12-0	1-Methylnaphthalene	< 0.0048	0.0048	mg/kg	
91-57-6	2-Methylnaphthalene	< 0.0048	0.0048	mg/kg	
91-20-3	Naphthalene	< 0.0024	0.0024	mg/kg	
129-00-0	Pyrene	< 0.0048	0.0048	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	103%		22-138%
4165-60-0	Nitrobenzene-d5	112%		32-143%
1718-51-0	Terphenyl-d14	98%		48-149%

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

Report of Analysis

Client Sample ID:	FS01-B@6'		
Lab Sample ID:	DA75869-5	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	82.0
Project:	TASMCOA: Vern Marshall 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW48148.D	1	10/03/25 04:00	JB	10/02/25 00:18	OP28771	GLW1126
Run #2							

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

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	< 4.8	4.8	mg/kg	
	TPH-ORO (> C28-C36)	< 7.3	7.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	72%		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:	FS01-B@6'		
Lab Sample ID:	DA75869-5A	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
		Percent Solids:	82.0
Project:	TASMCOA: Vern Marshall 1		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	41.2	6.0	mg/l	1	10/06/25	10/14/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	11.6	3.0	mg/l	1	10/06/25	10/14/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	27.8	6.0	mg/l	1	10/06/25	10/14/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19722
(2) Prep QC Batch: MP43408

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FS01-B@6'		
Lab Sample ID:	DA75869-5A	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
		Percent Solids:	82.0
Project:	TASMCOA: Vern Marshall 1		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.985		ratio	1	10/14/25 08:40	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:	FS01-B@6'		
Lab Sample ID:	DA75869-5B	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
		Percent Solids:	82.0
Project:	TASMCOA: Vern Marshall 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	10/03/25	10/09/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19711
(2) Prep QC Batch: MP43362

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FS01-B@6'		
Lab Sample ID:	DA75869-5C	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
		Percent Solids:	82.0
Project:	TASMCOA: Vern Marshall 1		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	4.4	0.23	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	124	2.3	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.17	0.12	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	11.5	2.3	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	10.4	0.58	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	12.5	2.3	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.23	0.23	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.12	0.12	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	41.6	12	mg/kg	10	10/03/25	10/07/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19705
(2) Prep QC Batch: MP43365

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FS01-B@6'		
Lab Sample ID:	DA75869-5C	**Date Sampled:**	10/02/25
Matrix:	SO - Soil	**Date Received:**	10/02/25
		Percent Solids:	82.0
Project:	TASMCOA: Vern Marshall 1		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
pH-saturated paste method							
pH	7.86		su	1	10/06/25 12:49	SN	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.42	0.0010	mmhos/cm	1	10/06/25 13:00	SN	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.49	0.49	mg/kg	1	10/31/25 16:00	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

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 # DA75869

Client / Reporting Information

Company: Tasman
Street: 4725 Independence St
City, State ZIP: Wheat Ridge / CO / 80033
Project Contact: Bryce Goldade
Phone: (704) 231-1819
Email: tas-chevron-4@tasman-geo.com, rbrieuf27@chevron.com
Sampler(s) Name(s): Emily Lambert

Project Information

Project Name: Vern Marshall 1
Check Box if Project Report to Division of Oil and Public Safety (OPS): ☐
Street:
City, State ZIP:
Project #: 6270
Client Purchase Order #:
Project Manager: Bryce Goldade

Billing Information (if different from Report to)

Company: Noble
Street Address:
City, State ZIP:
Attention: Keith McLean

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

Field ID / Point of Collection	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: NONE	HCl	NaOH	HNO3	H2SO4	DI Water	MeOH	ENCORE	Na2S2O3	Na2SO3	**Metals (specify): Full 915 Suite	LAB USE ONLY
SS01-B@4'	10/2/25	1056	EL	SO	3	3										X	
SS02-B@4'	"	1100	"	"	"	"										"	
SS03-B@4'	"	1105	"	"	"	"										"	
SS04-B@4'	"	1109	"	"	"	"										"	
~~FS~~EL FS01-B@6'	"	1335	"	"	"	"										"	

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)**
BTEXN, TPH, + PAH on same day.
All else standard

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	10/2/25 1512	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): 3.1 Therm. ID: IR2 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: da75869 **Client:** TASMAN **Project:** VERN MARSHALL 1

Date / Time Received: 10/2/2025 3:12:00 PM **Delivery Method:** hd **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (3.1);

Cooler Temps (Corrected) °C: Cooler 1: (3.1);

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

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

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

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

Misc Information

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

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

Residual Chlorine Test Strip Lot #

Comments 8260 soils will be in freezer by 7PM 10/2/2025.

SM001
Rev. Date 05/04/17

Technician: TERRIM Date: 10/2/2025 3:17:12 PM Reviewer: Date:

MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: DA75869
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V4520-MB	5V95031.D	1	10/02/25	MB	n/a	n/a	V5V4520

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

DA75869-1, DA75869-2, DA75869-3, DA75869-4, DA75869-5

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	103%	70-130%
2037-26-5	Toluene-D8	98%	70-130%
460-00-4	4-Bromofluorobenzene	101%	70-130%
17060-07-0	1,2-Dichloroethane-D4	107%	70-130%

Method Blank Summary

Job Number: DA75869
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V4520-MB [a]	5V95038.D	1	10/02/25	MB	n/a	n/a	V5V4520

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

DA75869-1, DA75869-2, DA75869-3, DA75869-4, DA75869-5

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	50	ug/kg	
100-41-4	Ethylbenzene	ND	100	ug/kg	
108-88-3	Toluene	ND	100	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	100	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	100	ug/kg	
	m,p-Xylene	ND	100	ug/kg	
95-47-6	o-Xylene	ND	100	ug/kg	
1330-20-7	Xylene (total)	ND	100	ug/kg	
	TPH-GRO (C6-C10)	ND	10000	ug/kg	

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

(a) Methanol extraction.

Blank Spike Summary

Job Number: DA75869
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V4520-BS	5V95029.D	1	10/02/25	MB	n/a	n/a	V5V4520

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

DA75869-1, DA75869-2, DA75869-3, DA75869-4, DA75869-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	55.3	111	70-130
100-41-4	Ethylbenzene	50	58.7	117	70-130
108-88-3	Toluene	50	56.4	113	70-130
95-63-6	1,2,4-Trimethylbenzene	50	59.9	120	70-134
108-67-8	1,3,5-Trimethylbenzene	50	61.2	122	70-134
	m,p-Xylene	100	117	117	70-130
95-47-6	o-Xylene	50	60.1	120	70-136
1330-20-7	Xylene (total)	150	177	118	70-131

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	70-130%
2037-26-5	Toluene-D8	98%	70-130%
460-00-4	4-Bromofluorobenzene	99%	70-130%
17060-07-0	1,2-Dichloroethane-D4	100%	70-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA75869
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V4520-BS	5V95030.D	1	10/02/25	MB	n/a	n/a	V5V4520

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

DA75869-1, DA75869-2, DA75869-3, DA75869-4, DA75869-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
	TPH-GRO (C6-C10)	2000	2830	142	64-144

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	70-130%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	101%	70-130%
17060-07-0	1,2-Dichloroethane-D4	98%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA75869
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA75807-1MS	5V95034.D	1	10/02/25	MB	n/a	n/a	V5V4520
DA75807-1MSD	5V95035.D	1	10/02/25	MB	n/a	n/a	V5V4520
DA75807-1	5V95032.D	1	10/02/25	MB	n/a	n/a	V5V4520

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

DA75869-1, DA75869-2, DA75869-3, DA75869-4, DA75869-5

CAS No.	Compound	DA75807-1 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	< 1.1		57.3	56.3	98	57.3	56.6	99	1	44-150/44
100-41-4	Ethylbenzene	< 2.1		57.3	59.0	103	57.3	58.4	102	1	41-149/49
108-88-3	Toluene	< 2.1		57.3	55.8	97	57.3	56.4	98	1	40-149/47
95-63-6	1,2,4-Trimethylbenzene	< 2.1		57.3	61.9	108	57.3	59.8	104	3	26-164/57
108-67-8	1,3,5-Trimethylbenzene	< 2.1		57.3	62.1	108	57.3	60.5	106	3	30-161/60
	m,p-Xylene	< 2.1		115	118	103	115	116	101	2	36-152/49
95-47-6	o-Xylene	< 2.1		57.3	60.6	106	57.3	59.7	104	1	33-168/49
1330-20-7	Xylene (total)	< 2.1		172	178	104	172	175	102	2	36-157/49

CAS No.	Surrogate Recoveries	MS	MSD	DA75807-1	Limits
1868-53-7	Dibromofluoromethane	102%	102%	102%	70-130%
2037-26-5	Toluene-D8	97%	97%	97%	70-130%
460-00-4	4-Bromofluorobenzene	100%	100%	102%	70-130%
17060-07-0	1,2-Dichloroethane-D4	101%	102%	105%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA75869
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA75807-2MS	5V95036.D	1	10/02/25	MB	n/a	n/a	V5V4520
DA75807-2MSD	5V95037.D	1	10/02/25	MB	n/a	n/a	V5V4520
DA75807-2	5V95033.D	1	10/02/25	MB	n/a	n/a	V5V4520

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

DA75869-1, DA75869-2, DA75869-3, DA75869-4, DA75869-5

CAS No.	Compound	DA75807-2 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)	< 220		2330	2890	124	2330	2750	118	5	18-158/83

CAS No.	Surrogate Recoveries	MS	MSD	DA75807-2	Limits
1868-53-7	Dibromofluoromethane	100%	100%	105%	70-130%
2037-26-5	Toluene-D8	98%	97%	97%	70-130%
460-00-4	4-Bromofluorobenzene	99%	100%	102%	70-130%
17060-07-0	1,2-Dichloroethane-D4	104%	102%	108%	70-130%

* = Outside of Control Limits.

MS Semi-volatiles

6

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: DA75869
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28769-MB	3G60811.D	1	10/02/25	ZL	10/02/25	OP28769	E3G2924

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

DA75869-1, DA75869-2, DA75869-3, DA75869-4, DA75869-5

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	90%	22-138%
4165-60-0	Nitrobenzene-d5	96%	32-143%
1718-51-0	Terphenyl-d14	96%	48-149%

Blank Spike Summary

Job Number: DA75869
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28769-BS	3G60812.D	1	10/02/25	ZL	10/02/25	OP28769	E3G2924

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

DA75869-1, DA75869-2, DA75869-3, DA75869-4, DA75869-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
83-32-9	Acenaphthene	200	243	122	46-152
120-12-7	Anthracene	200	259	130	65-147
56-55-3	Benzo(a)anthracene	200	272	136	64-144
205-99-2	Benzo(b)fluoranthene	200	250	125	70-154
207-08-9	Benzo(k)fluoranthene	200	243	122	70-158
50-32-8	Benzo(a)pyrene	200	258	129	64-159
218-01-9	Chrysene	200	241	121	70-156
53-70-3	Dibenzo(a,h)anthracene	200	260	130	63-156
206-44-0	Fluoranthene	200	252	126	62-155
86-73-7	Fluorene	200	251	126	55-151
193-39-5	Indeno(1,2,3-cd)pyrene	200	259	130	67-156
90-12-0	1-Methylnaphthalene	200	231	116	21-168
91-57-6	2-Methylnaphthalene	200	230	115	18-161
91-20-3	Naphthalene	200	216	108	2-173
129-00-0	Pyrene	200	258	129	61-158

CAS No.	Surrogate Recoveries	BSP	Limits
321-60-8	2-Fluorobiphenyl	94%	22-138%
4165-60-0	Nitrobenzene-d5	98%	32-143%
1718-51-0	Terphenyl-d14	101%	48-149%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA75869
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28769-MS	3G60813.D	1	10/02/25	ZL	10/02/25	OP28769	E3G2924
OP28769-MSD	3G60814.D	1	10/02/25	ZL	10/02/25	OP28769	E3G2924
DA75840-15	3G60815.D	1	10/03/25	ZL	10/02/25	OP28769	E3G2924

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

DA75869-1, DA75869-2, DA75869-3, DA75869-4, DA75869-5

CAS No.	Compound	DA75840-15 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	< 4.9		248	264	106	248	291	117	10	30-148/32
120-12-7	Anthracene	< 4.9		248	284	114	248	317	128	11	40-148/33
56-55-3	Benzo(a)anthracene	< 6.1		248	279	112	248	295	119	6	44-144/32
205-99-2	Benzo(b)fluoranthene	< 4.9		248	277	112	248	313	126	12	36-166/43
207-08-9	Benzo(k)fluoranthene	< 4.9		248	268	108	248	259	104	3	43-165/41
50-32-8	Benzo(a)pyrene	< 4.9		248	283	114	248	295	119	4	41-161/37
218-01-9	Chrysene	< 4.9		248	254	102	248	273	110	7	52-152/32
53-70-3	Dibenzo(a,h)anthracene	< 4.9		248	287	116	248	295	119	3	42-155/36
206-44-0	Fluoranthene	< 4.9		248	273	110	248	304	122	11	40-151/34
86-73-7	Fluorene	< 4.9		248	284	114	248	304	122	7	34-149/34
193-39-5	Indeno(1,2,3-cd)pyrene	< 4.9		248	280	113	248	289	116	3	41-156/37
90-12-0	1-Methylnaphthalene	< 4.9		248	252	102	248	302	122	18	23-149/36
91-57-6	2-Methylnaphthalene	< 4.9		248	244	98	248	296	119	19	18-144/35
91-20-3	Naphthalene	< 2.4		248	232	93	248	285	115	21	18-150/32
129-00-0	Pyrene	< 4.9		248	283	114	248	301	121	6	38-156/33

CAS No.	Surrogate Recoveries	MS	MSD	DA75840-15	Limits
321-60-8	2-Fluorobiphenyl	92%	91%	72%	22-138%
4165-60-0	Nitrobenzene-d5	100%	101%	89%	32-143%
1718-51-0	Terphenyl-d14	90%	90%	68%	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: DA75869
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28771-MB	LW48131.D	1	10/03/25	JB	10/02/25	OP28771	GLW1126

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

DA75869-1, DA75869-2, DA75869-3, DA75869-4, DA75869-5

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: DA75869
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28771-BS1	LW48132.D	1	10/03/25	JB	10/02/25	OP28771	GLW1126

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

DA75869-1, DA75869-2, DA75869-3, DA75869-4, DA75869-5

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	200	186	93	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	96%	20-142%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA75869
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28771-BS2	LW48133.D	1	10/03/25	JB	10/02/25	OP28771	GLW1126

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

DA75869-1, DA75869-2, DA75869-3, DA75869-4, DA75869-5

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-ORO (> C28-C36)	200	221	111	70-138

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	103%	20-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA75869
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28771-MS1	LW48134.D	1	10/03/25	JB	10/02/25	OP28771	GLW1126
OP28771-MSD1	LW48135.D	1	10/03/25	JB	10/02/25	OP28771	GLW1126
DA75840-3	FN95372.D	1	10/03/25	JB	10/02/25	OP28771	GFN519

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

DA75869-1, DA75869-2, DA75869-3, DA75869-4, DA75869-5

CAS No.	Compound	DA75840-3 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	< 4.9		235	196	83	249	220	88	12	59-130/30

CAS No.	Surrogate Recoveries	MS	MSD	DA75840-3	Limits
84-15-1	o-Terphenyl	83%	86%	66%	20-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA75869
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28771-MS2	LW48136.D	1	10/03/25	JB	10/02/25	OP28771	GLW1126
OP28771-MSD2	LW48137.D	1	10/03/25	JB	10/02/25	OP28771	GLW1126
DA75840-4	FN95373.D	1	10/03/25	JB	10/02/25	OP28771	GFN519

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

DA75869-1, DA75869-2, DA75869-3, DA75869-4, DA75869-5

CAS No.	Compound	DA75840-4 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)	< 6.9		238	246	103	238	268	113	9	70-153/30

CAS No.	Surrogate Recoveries	MS	MSD	DA75840-4	Limits
84-15-1	o-Terphenyl	74%	85%	75%	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: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43362
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/03/25

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	-18	<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 MP43362: DA75869-1B, DA75869-2B, DA75869-3B, DA75869-4B, DA75869-5B

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43362
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/03/25

Metal	RL	IDL	MDL	MB raw	final

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43362
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			10/03/25					10/03/25	
Metal	DA75883-1B Original	DUP	RPD	QC Limits	DA75883-1B Original	MS	Spikelot ICPALL6	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Boron	95.5	82.0	15.2	0-20	95.5	10200	10000	101.0	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 MP43362: DA75869-1B, DA75869-2B, DA75869-3B, DA75869-4B, DA75869-5B

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43362
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/03/25 10/03/25

Metal	DA75883-1B Original DUP	RPD	QC Limits	DA75883-1B Original MS	Spikelot ICPALL6	% Rec	QC Limits

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43362
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/03/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	8070	10000	80.7	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 MP43362: DA75869-1B, DA75869-2B, DA75869-3B, DA75869-4B, DA75869-5B

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43362
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/03/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits

(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43362
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/03/25

Metal	DA75883-1B Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	19.1	0.00	100.0(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 MP43362: DA75869-1B, DA75869-2B, DA75869-3B, DA75869-4B, DA75869-5B

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43362 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/03/25

	DA75883-1B		QC
Metal	Original SDL 1:5	%DIF	Limits

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43365
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 10/03/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	50	.52	5		
Antimony	0.40	.01	.05		
Arsenic	0.20	.05	.05	0.075	<0.20
Barium	2.0	.096	.24	0.12	<2.0
Beryllium	0.20	.077	.04		
Boron	40	18	10		
Cadmium	0.10	.03	.04	0.026	<0.10
Calcium	400	25	30		
Chromium	2.0	.087	.6		
Cobalt	0.20	.04	.025		
Copper	2.0	.05	.25	0.010	<2.0
Iron	20	1.6	15		
Lead	0.50	.094	.2	0.053	<0.50
Magnesium	100	10	10		
Manganese	1.0	.079	.2		
Molybdenum	1.0	.037	.27		
Nickel	2.0	.098	.2	0.0026	<2.0
Phosphorus	60	7.6	25		
Potassium	200	2	25		
Selenium	0.20	.05	.05	0.041	<0.20
Silver	0.10	.0081	.03	0.0059	<0.10
Sodium	500	10	30		
Strontium	20	.1	1		
Thallium	0.20	.032	.04		
Tin	10	.22	4		
Titanium	2.0	.05	.3		
Uranium	0.20	.015	.1		
Vanadium	1.0	.14	.2		
Zinc	10	.05	1	-0.10	<10

Associated samples MP43365: DA75869-1C, DA75869-2C, DA75869-3C, DA75869-4C, DA75869-5C

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: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43365
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 10/03/25

Metal	DA75883-1C Original	MS	Spikelot ICPMS6	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	0.63	110	109	100.4	75-125
Barium	20.6	234	218	97.9	75-125
Beryllium					
Boron					
Cadmium	0.093	57.5	54.5	105.4	75-125
Calcium					
Chromium					
Cobalt					
Copper	2.9	58.7	54.5	102.4	75-125
Iron					
Lead	3.3	116	109	103.5	75-125
Magnesium					
Manganese					
Molybdenum					
Nickel	1.9	56.9	54.5	101.0	75-125
Phosphorus					
Potassium					
Selenium	0.98	106	109	96.4	75-125
Silver	0.013	22.9	21.8	105.0	75-125
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc	10.8	64.6	54.5	98.8	75-125

Associated samples MP43365: DA75869-1C, DA75869-2C, DA75869-3C, DA75869-4C, DA75869-5C

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43365
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 10/03/25

Metal	DA75883-1C Original	MSD	Spikelot ICPMS6	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	0.63	111	111	99.4	0.9	20
Barium	20.6	240	222	98.8	2.5	20
Beryllium						
Boron						
Cadmium	0.093	58.1	55.5	104.5	1.0	20
Calcium						
Chromium						
Cobalt						
Copper	2.9	59.2	55.5	101.4	0.8	20
Iron						
Lead	3.3	118	111	103.3	1.7	20
Magnesium						
Manganese						
Molybdenum						
Nickel	1.9	58.5	55.5	102.0	2.8	20
Phosphorus						
Potassium						
Selenium	0.98	110	111	98.2	3.7	20
Silver	0.013	23.1	22.2	104.0	0.9	20
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc	10.8	65.9	55.5	99.3	2.0	20

Associated samples MP43365: DA75869-1C, DA75869-2C, DA75869-3C, DA75869-4C, DA75869-5C

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43365
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 10/03/25

Metal	BSP Result	Spikelot ICPMS6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	99.7	100	99.7	80-120
Barium	193	200	96.5	80-120
Beryllium				
Boron				
Cadmium	50.9	50	101.8	80-120
Calcium				
Chromium				
Cobalt				
Copper	51.2	50	102.4	80-120
Iron				
Lead	100	100	100.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel	50.7	50	101.4	80-120
Phosphorus				
Potassium				
Selenium	99.2	100	99.2	80-120
Silver	20.4	20	102.0	80-120
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	49.0	50	98.0	80-120

Associated samples MP43365: DA75869-1C, DA75869-2C, DA75869-3C, DA75869-4C, DA75869-5C

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43365
Matrix Type: SOLID

Methods: SW846 6020B
Units: ug/l

Prep Date: 10/03/25

Metal	DA75883-1C Original	SDL 10:50	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	5.64	5.29	6.2	0-20
Barium	184	177	4.1	0-20
Beryllium				
Boron				
Cadmium	0.830	0.00	100.0(a)	0-20
Calcium				
Chromium				
Cobalt				
Copper	25.8	25.3	1.8	0-20
Iron				
Lead	29.0	28.8	0.8	0-20
Magnesium				
Manganese				
Molybdenum				
Nickel	16.9	15.1	11.0	0-20
Phosphorus				
Potassium				
Selenium	8.73	8.11	7.1	0-20
Silver	0.112	0.00	100.0(a)	0-20
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	96.2	90.0	6.4	0-20

Associated samples MP43365: DA75869-1C, DA75869-2C, DA75869-3C, DA75869-4C, DA75869-5C

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: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43407
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/06/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	1500	30	230		
Antimony	450	90	100		
Arsenic	380	34	69		
Barium	150	2.9	20		
Beryllium	150	1.5	20		
Boron	750	19	95		
Cadmium	150	3.2	20		
Calcium	6000	84	750	-1100	<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	-130	<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	336	<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 MP43407: DA75869-1A, DA75869-2A

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43407
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/06/25

Metal	RL	IDL	MDL	MB raw	final

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43407 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/06/25

Metal	DA75870-24A Original	MS	Spikelot ICPALL6	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium	404000	782000	375000	100.8	75-125
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Lithium					
Magnesium	371000	748000	375000	100.5	75-125
Manganese					
Molybdenum					
Nickel					
Phosphorus					
Potassium					
Selenium					
Silicon					
Silver					
Sodium	1270000	1630000	375000	96.0	75-125
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc					

Associated samples MP43407: DA75869-1A, DA75869-2A

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43407 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/06/25

	DA75870-24A	Spikelot		QC
Metal	Original MS	ICPALL6	% Rec	Limits

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43407 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/06/25

Metal	DA75870-24A Original	MSD	Spikelot ICPALL6	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium	404000	781000	375000	100.5	0.1	20
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Lithium						
Magnesium	371000	747000	375000	100.3	0.1	20
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium						
Silicon						
Silver						
Sodium	1270000	1660000	375000	104.0	1.8	20
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc						

Associated samples MP43407: DA75869-1A, DA75869-2A

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43407
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/06/25

Metal	DA75870-24A 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: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43407
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/06/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	377000	375000	100.5	80-120
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	377000	375000	100.5	80-120
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	369000	375000	98.4	80-120
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP43407: DA75869-1A, DA75869-2A

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43407
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/06/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits

(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43407
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/06/25

Metal	DA75870-24A Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	26900	25100	7.0	0-10
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	24700	23100	6.6	0-10
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	84700	84800	0.1	0-10
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP43407: DA75869-1A, DA75869-2A

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43407
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/06/25

	DA75870-24A		QC
Metal	Original SDL 1:5	%DIF	Limits

(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43408
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/06/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	1500	30	230		
Antimony	450	90	100		
Arsenic	380	34	69		
Barium	150	2.9	20		
Beryllium	150	1.5	20		
Boron	750	19	95		
Cadmium	150	3.2	20		
Calcium	6000	84	750	-820	<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	645	<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 MP43408: DA75869-3A, DA75869-4A, DA75869-5A

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43408
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/06/25

Metal	RL	IDL	MDL	MB raw	final

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43408 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/06/25

Metal	DA75869-3A Original	MS	Spikelot ICPALL6	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium	37400	426000	375000	103.6	75-125
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Lithium					
Magnesium	9740	397000	375000	103.3	75-125
Manganese					
Molybdenum					
Nickel					
Phosphorus					
Potassium					
Selenium					
Silicon					
Silver					
Sodium	24100	403000	375000	101.0	75-125
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc					

Associated samples MP43408: DA75869-3A, DA75869-4A, DA75869-5A

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43408
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/06/25

Metal	DA75869-3A 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: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43408 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/06/25

Metal	DA75869-3A Original	MSD	Spikelot ICPALL6	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium	37400	423000	375000	102.8	0.7	20
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Lithium						
Magnesium	9740	392000	375000	101.9	1.3	20
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium						
Silicon						
Silver						
Sodium	24100	393000	375000	98.4	2.5	20
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc						

Associated samples MP43408: DA75869-3A, DA75869-4A, DA75869-5A

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43408 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/06/25

Metal	DA75869-3A 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: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43408
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/06/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	387000	375000	103.2	80-120
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	385000	375000	102.7	80-120
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	380000	375000	101.3	80-120
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP43408: DA75869-3A, DA75869-4A, DA75869-5A

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43408
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/06/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits

(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43408
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/06/25

Metal	DA75869-3A Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	2490	2270	9.1	0-10
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	649	620	4.5	0-10
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	1600	1680	4.6	0-10
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP43408: DA75869-3A, DA75869-4A, DA75869-5A

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43408 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/06/25

	DA75869-3A		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: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Specific Conductivity	GP39621/GN69582			mmhos/cm	1.409	1.3	92.5	90-110%

Associated Samples:
Batch GP39621: DA75869-1C, DA75869-2C, DA75869-3C, DA75869-4C, DA75869-5C
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA75869
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GP39621/GN69582	DA75868-6	mmhos/cm	1.9	1.8	1.7	0-20%
pH	GN69574	DA75868-6	su	6.29	6.32	0.5	0-5%

Associated Samples:
Batch GN69574: DA75869-1C, DA75869-2C, DA75869-3C, DA75869-4C, DA75869-5C
Batch GP39621: DA75869-1C, DA75869-2C, DA75869-3C, DA75869-4C, DA75869-5C
(*) 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

FED-EX Tracking #: 7444-9078-9300
Bottle Order Control #:
SGS Quote #:
SGS Job #: DA75869

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

Project Information
Project Name: TASMCOA: Vern Marshall 1
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet): XCRA7199

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	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	XCRA7199	LAB USE ONLY
1C	SS01-B@4'		10/2/25	10:56:00 AM	EL	SO										X	
2C	SS02-B@4'		10/2/25	11:00:00 AM	EL	SO										X	
3C	SS03-B@4'		10/2/25	11:05:00 AM	EL	SO										X	
4C	SS04-B@4'		10/2/25	11:09:00 AM	EL	SO										X	
5C	FS01-B@6'		10/2/25	1:35:00 PM	EL	SO										X	

Turnaround Time (Business days)
- ☐ Standard 10 Day (business)
- ☐ 5 Business Days RUSH
- ☐ 3 Business Days RUSH
- ☐ 2 Business Days RUSH
- ☐ 1 Business Day EMERGENCY
- ☒ other Due 10/13/2025

Approved By (SGS PM): / Date:

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
- ☐
- ☒ CC

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

Comments / Special Instructions
2 of 6
Initial Assessment PF-ZA
Label Verification________

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

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	10/3/25	1 FedEx	2 FedEx	10/04	2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time: 11:30	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. 1.8

10.1
10

DA75869: Chain of Custody
Page 1 of 2
SGS Dayton, NJ

SGS Sample Receipt Summary

Job Number: DA75869 **Client:** SGS NORTH AMERICA INC. **Project:** TASMCOA

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

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

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

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

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

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

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

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

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

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

Comments

SM089-03
Rev. Date 12/7/17

10.1 10

DA75869: 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: DA75869
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA: Vern Marshall 1

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chromium, Hexavalent	GP65103/GN75496	0.40	0.0	mg/kg	40	36.0	90.0	80-120%
Chromium, Hexavalent	GP65103/GN75496	0.40	0.0	mg/kg	1180	1020	86.1	80-120%
Chromium, Hexavalent	GP65103/GN75496			mg/kg	40	35.7	89.3	80-120%

Associated Samples:
Batch GP65103: DA75869-1C, DA75869-2C, DA75869-3C, DA75869-4C, DA75869-5C
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA75869
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA: Vern Marshall 1

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chromium, Hexavalent	GP65103/GN75496	DA76581-1C	mg/kg	0.0	0.0	0.0	0-20%

Associated Samples:
Batch GP65103: DA75869-1C, DA75869-2C, DA75869-3C, DA75869-4C, DA75869-5C
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA75869
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA: Vern Marshall 1

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chromium, Hexavalent	GP65103/GN75496	DA76581-1C	mg/kg	0.0	1130	798	70.7N(a)	75-125%
Chromium, Hexavalent	GP65103/GN75496	DA76581-1C	mg/kg	0.0	50.6	2.9	5.7N(b)	75-125%

Associated Samples:
Batch GP65103: DA75869-1C, DA75869-2C, DA75869-3C, DA75869-4C, DA75869-5C
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Insoluble XCR matrix spike recovery indicates possible matrix interference. See additional comments on soluble matrix spike recovery.
(b) Soluble XCR matrix spike recovery indicates possible matrix interference. Good post spike recovery (93.3%) on this sample.