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

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Automated Report

Technical Report for

Chevron USA, Inc.

TASMCOA: Vern Marshall 1

6270

SGS Job Number: DA75902

Sampling Date: 10/03/25

Report to:

Chevron USA, Inc.
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ATTN: Bryce Goldade

Total number of pages in report: **103**

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

Eric Hoffman

Client Service contact: Parna Payandeh 303-425-6021
Certifications: CO (CO00049), ND (R-027), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY (8TMS-L) HI (CO00049), NJ (CO011), NV (CO00049), AK (CO00049), CA (3076), and NC (08701)

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SGS North America Inc.

Sample Summary

Chevron USA, Inc.

Job No: DA75902

TASMCOA: Vern Marshall 1
Project No: 6270

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
DA75902-1	10/03/25	10:50	EL	10/03/25	SO	Soil	FS01-A@7'
DA75902-1A	10/03/25	10:50	EL	10/03/25	SO	Soil	FS01-A@7'
DA75902-1B	10/03/25	10:50	EL	10/03/25	SO	Soil	FS01-A@7'
DA75902-1C	10/03/25	10:50	EL	10/03/25	SO	Soil	FS01-A@7'
DA75902-2	10/03/25	10:57	EL	10/03/25	SO	Soil	SS01-A@4'
DA75902-2A	10/03/25	10:57	EL	10/03/25	SO	Soil	SS01-A@4'
DA75902-2B	10/03/25	10:57	EL	10/03/25	SO	Soil	SS01-A@4'
DA75902-2C	10/03/25	10:57	EL	10/03/25	SO	Soil	SS01-A@4'
DA75902-3	10/03/25	11:02	EL	10/03/25	SO	Soil	SS02-A@4'
DA75902-3A	10/03/25	11:02	EL	10/03/25	SO	Soil	SS02-A@4'
DA75902-3B	10/03/25	11:02	EL	10/03/25	SO	Soil	SS02-A@4'
DA75902-3C	10/03/25	11:02	EL	10/03/25	SO	Soil	SS02-A@4'
DA75902-4	10/03/25	11:06	EL	10/03/25	SO	Soil	SS03-A@4'

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

Sample Summary
(continued)

Chevron USA, Inc.

Job No: DA75902

TASMCOA: Vern Marshall 1
Project No: 6270

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
DA75902-4A	10/03/25	11:06	EL	10/03/25	SO	Soil	SS03-A@4'
DA75902-4B	10/03/25	11:06	EL	10/03/25	SO	Soil	SS03-A@4'
DA75902-4C	10/03/25	11:06	EL	10/03/25	SO	Soil	SS03-A@4'
DA75902-5	10/03/25	11:09	EL	10/03/25	SO	Soil	SS04-A@4'
DA75902-5A	10/03/25	11:09	EL	10/03/25	SO	Soil	SS04-A@4'
DA75902-5B	10/03/25	11:09	EL	10/03/25	SO	Soil	SS04-A@4'
DA75902-5C	10/03/25	11:09	EL	10/03/25	SO	Soil	SS04-A@4'

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

Summary of Hits

Job Number: DA75902
Account: Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1
Collected: 10/03/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA75902-1	**FS01-A@7'**					
No hits reported in this sample.						
DA75902-1A	**FS01-A@7'**					
Calcium		30.2	6.0		mg/l	SW846 6010C
Magnesium		13.9	3.0		mg/l	SW846 6010C
Sodium		35.7	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		1.35			ratio	USDA HANDBOOK 60
DA75902-1B	**FS01-A@7'**					
No hits reported in this sample.						
DA75902-1C	**FS01-A@7'**					
Arsenic		5.4	0.23		mg/kg	SW846 6020B
Barium		185	2.3		mg/kg	SW846 6020B
Cadmium		0.25	0.12		mg/kg	SW846 6020B
Copper		13.5	2.3		mg/kg	SW846 6020B
Lead		12.4	0.58		mg/kg	SW846 6020B
Nickel		12.4	2.3		mg/kg	SW846 6020B
Selenium		0.27	0.23		mg/kg	SW846 6020B
Zinc		43.6	12		mg/kg	SW846 6020B
pH		8.10			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.54	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA75902-2	**SS01-A@4'**					
Chrysene		0.0044	0.0042		mg/kg	SW846 8270E
Fluoranthene		0.0061	0.0042		mg/kg	SW846 8270E
Pyrene		0.0057	0.0042		mg/kg	SW846 8270E
DA75902-2A	**SS01-A@4'**					
Calcium		147	6.0		mg/l	SW846 6010C
Magnesium		95.2	3.0		mg/l	SW846 6010C
Sodium		8.61	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		0.136			ratio	USDA HANDBOOK 60
DA75902-2B	**SS01-A@4'**					
No hits reported in this sample.						

Summary of Hits

Job Number: DA75902
Account: Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1
Collected: 10/03/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA75902-2C	**SS01-A@4'**					
Arsenic		2.1	0.21		mg/kg	SW846 6020B
Barium		54.7	2.1		mg/kg	SW846 6020B
Copper		4.8	2.1		mg/kg	SW846 6020B
Lead		5.5	0.53		mg/kg	SW846 6020B
Nickel		4.5	2.1		mg/kg	SW846 6020B
Zinc		59.7	11		mg/kg	SW846 6020B
pH		7.45			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.27	0.0010		mmhos/cm	SM 2510B-2011 MOD
Chromium, Hexavalent [b]		0.49	0.45		mg/kg	SW846 3060A/7199
DA75902-3	**SS02-A@4'**					
No hits reported in this sample.						
DA75902-3A	**SS02-A@4'**					
Calcium		34.3	6.0		mg/l	SW846 6010C
Magnesium		9.93	3.0		mg/l	SW846 6010C
Sodium		14.9	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		0.576			ratio	USDA HANDBOOK 60
DA75902-3B	**SS02-A@4'**					
No hits reported in this sample.						
DA75902-3C	**SS02-A@4'**					
Arsenic		3.4	0.22		mg/kg	SW846 6020B
Barium		80.0	2.2		mg/kg	SW846 6020B
Copper		8.7	2.2		mg/kg	SW846 6020B
Lead		8.1	0.55		mg/kg	SW846 6020B
Nickel		8.8	2.2		mg/kg	SW846 6020B
Zinc		30.9	11		mg/kg	SW846 6020B
pH		7.75			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.35	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA75902-4	**SS03-A@4'**					
TPH-DRO (C10-C28)		22.6	3.9		mg/kg	SW846-8015C
TPH-ORO (> C28-C36)		41.2	5.9		mg/kg	SW846-8015C

Summary of Hits

Job Number: DA75902
Account: Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1
Collected: 10/03/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA75902-4A	**SS03-A@4'**					
Calcium		316	6.0		mg/l	SW846 6010C
Magnesium		216	3.0		mg/l	SW846 6010C
Sodium		9.95	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		0.106			ratio	USDA HANDBOOK 60
DA75902-4B	**SS03-A@4'**					
No hits reported in this sample.						
DA75902-4C	**SS03-A@4'**					
Arsenic		1.9	0.21		mg/kg	SW846 6020B
Barium		56.1	2.1		mg/kg	SW846 6020B
Cadmium		0.10	0.10		mg/kg	SW846 6020B
Copper		5.1	2.1		mg/kg	SW846 6020B
Lead		6.0	0.52		mg/kg	SW846 6020B
Nickel		4.0	2.1		mg/kg	SW846 6020B
Zinc		20.2	10		mg/kg	SW846 6020B
pH		6.61			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.21	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA75902-5	**SS04-A@4'**					
Anthracene		0.0067	0.0039		mg/kg	SW846 8270E
Benzo(a)anthracene		0.0197	0.0049		mg/kg	SW846 8270E
Benzo(b)fluoranthene		0.0252	0.0039		mg/kg	SW846 8270E
Benzo(k)fluoranthene		0.0073	0.0039		mg/kg	SW846 8270E
Benzo(a)pyrene		0.0167	0.0039		mg/kg	SW846 8270E
Chrysene		0.0207	0.0039		mg/kg	SW846 8270E
Dibenzo(a,h)anthracene		0.0048	0.0039		mg/kg	SW846 8270E
Fluoranthene		0.0327	0.0039		mg/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		0.0111	0.0039		mg/kg	SW846 8270E
Pyrene		0.0342	0.0039		mg/kg	SW846 8270E
TPH-ORO (> C28-C36)		7.83	6.2		mg/kg	SW846-8015C
DA75902-5A	**SS04-A@4'**					
Calcium		46.4	6.0		mg/l	SW846 6010C
Magnesium		10.9	3.0		mg/l	SW846 6010C
Sodium		15.5	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		0.532			ratio	USDA HANDBOOK 60

Summary of Hits

Job Number: DA75902
Account: Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1
Collected: 10/03/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA75902-5B	**SS04-A@4'**					
No hits reported in this sample.						
DA75902-5C	**SS04-A@4'**					
Arsenic		1.5	0.20		mg/kg	SW846 6020B
Barium		54.3	2.0		mg/kg	SW846 6020B
Cadmium		0.11	0.10		mg/kg	SW846 6020B
Copper		4.4	2.0		mg/kg	SW846 6020B
Lead		5.4	0.50		mg/kg	SW846 6020B
Nickel		3.1	2.0		mg/kg	SW846 6020B
Zinc		90.3	10		mg/kg	SW846 6020B
pH		7.67			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.43	0.0010		mmhos/cm	SM 2510B-2011 MOD

(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:	FS01-A@7'		
Lab Sample ID:	DA75902-1	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
Method:	SW846 8260D	**Percent Solids:**	83.9
Project:	TASMCOA: Vern Marshall 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4V39755.D	1	10/03/25 18:01	MB	n/a	n/a	V4V1958
Run #2							

	Initial Weight	Final Volume
Run #1	5.15 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		70-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	86%		70-130%
17060-07-0	1,2-Dichloroethane-D4	104%		70-130%

RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	FS01-A@7'		
Lab Sample ID:	DA75902-1	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	83.9
Project:	TASMCOA: Vern Marshall 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G60876.D	1	10/04/25 00:18	TH	10/03/25 15:00	OP28781	E3G2925
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	< 0.0047	0.0047	mg/kg	
120-12-7	Anthracene	< 0.0047	0.0047	mg/kg	
56-55-3	Benzo(a)anthracene	< 0.0058	0.0058	mg/kg	
205-99-2	Benzo(b)fluoranthene	< 0.0047	0.0047	mg/kg	
207-08-9	Benzo(k)fluoranthene	< 0.0047	0.0047	mg/kg	
50-32-8	Benzo(a)pyrene	< 0.0047	0.0047	mg/kg	
218-01-9	Chrysene	< 0.0047	0.0047	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	< 0.0047	0.0047	mg/kg	
206-44-0	Fluoranthene	< 0.0047	0.0047	mg/kg	
86-73-7	Fluorene	< 0.0047	0.0047	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	< 0.0047	0.0047	mg/kg	
90-12-0	1-Methylnaphthalene	< 0.0047	0.0047	mg/kg	
91-57-6	2-Methylnaphthalene	< 0.0047	0.0047	mg/kg	
91-20-3	Naphthalene	< 0.0023	0.0023	mg/kg	
129-00-0	Pyrene	< 0.0047	0.0047	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	100%		22-138%
4165-60-0	Nitrobenzene-d5	107%		32-143%
1718-51-0	Terphenyl-d14	76%		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-A@7'		
Lab Sample ID:	DA75902-1	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	83.9
Project:	TASMCOA: Vern Marshall 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FH080807.D	1	10/04/25 00:56	JB	10/03/25 15:00	OP28783	GFH24009
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)	< 4.7	4.7	mg/kg	
	TPH-ORO (> C28-C36)	< 7.1	7.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	62%		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-A@7'		
Lab Sample ID:	DA75902-1A	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
		Percent Solids:	83.9
Project:	TASMCOA: Vern Marshall 1		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	30.2	6.0	mg/l	1	10/06/25	10/07/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	13.9	3.0	mg/l	1	10/06/25	10/07/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	35.7	6.0	mg/l	1	10/06/25	10/07/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19702
(2) Prep QC Batch: MP43405

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FS01-A@7'		
Lab Sample ID:	DA75902-1A	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
		Percent Solids:	83.9
Project:	TASMCOA: Vern Marshall 1		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	1.35		ratio	1	10/07/25 19:50	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-A@7'		
Lab Sample ID:	DA75902-1B	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
		Percent Solids:	83.9
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	10/07/25	10/11/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19716
(2) Prep QC Batch: MP43379

RL = Reporting Limit

Report of Analysis

Client Sample ID: FS01-A@7'
Lab Sample ID: DA75902-1C
Matrix: SO - Soil
Project: TASMCOA: Vern Marshall 1

Date Sampled: 10/03/25
Date Received: 10/03/25
Percent Solids: 83.9

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	5.4	0.23	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	185	2.3	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.25	0.12	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	13.5	2.3	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	12.4	0.58	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	12.4	2.3	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	0.27	0.23	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.12	0.12	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	43.6	12	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19715
(2) Prep QC Batch: MP43378

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FS01-A@7'		
Lab Sample ID:	DA75902-1C	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
		Percent Solids:	83.9
Project:	TASMCOA: Vern Marshall 1		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
pH-saturated paste method							
pH	8.10		su	1	10/04/25 16:41	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.54	0.0010	mmhos/cm	1	10/04/25 16:41	SG	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.46	0.46	mg/kg	1	11/03/25 16:20	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS01-A@4'		
Lab Sample ID:	DA75902-2	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
Method:	SW846 8260D	**Percent Solids:**	90.9
Project:	TASMCOA: Vern Marshall 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4V39756.D	1	10/03/25 18:24	MB	n/a	n/a	V4V1958
Run #2							

	Initial Weight	Final Volume
Run #1	5.23 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	< 0.0021	0.0021	mg/kg	
108-88-3	Toluene	< 0.0021	0.0021	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	< 0.0021	0.0021	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	< 0.0021	0.0021	mg/kg	
	m,p-Xylene	< 0.0021	0.0021	mg/kg	
95-47-6	o-Xylene	< 0.0021	0.0021	mg/kg	
1330-20-7	Xylene (total)	< 0.0021	0.0021	mg/kg	
	TPH-GRO (C6-C10)	< 0.21	0.21	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	89%		70-130%
17060-07-0	1,2-Dichloroethane-D4	103%		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-A@4'		
Lab Sample ID:	DA75902-2	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	90.9
Project:	TASMCOA: Vern Marshall 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G60877.D	1	10/04/25 00:41	TH	10/03/25 15:00	OP28781	E3G2925
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	< 0.0042	0.0042	mg/kg	
120-12-7	Anthracene	< 0.0042	0.0042	mg/kg	
56-55-3	Benzo(a)anthracene	< 0.0053	0.0053	mg/kg	
205-99-2	Benzo(b)fluoranthene	< 0.0042	0.0042	mg/kg	
207-08-9	Benzo(k)fluoranthene	< 0.0042	0.0042	mg/kg	
50-32-8	Benzo(a)pyrene	< 0.0042	0.0042	mg/kg	
218-01-9	Chrysene	0.0044	0.0042	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	< 0.0042	0.0042	mg/kg	
206-44-0	Fluoranthene	0.0061	0.0042	mg/kg	
86-73-7	Fluorene	< 0.0042	0.0042	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	< 0.0042	0.0042	mg/kg	
90-12-0	1-Methylnaphthalene	< 0.0042	0.0042	mg/kg	
91-57-6	2-Methylnaphthalene	< 0.0042	0.0042	mg/kg	
91-20-3	Naphthalene	< 0.0021	0.0021	mg/kg	
129-00-0	Pyrene	0.0057	0.0042	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	95%		22-138%
4165-60-0	Nitrobenzene-d5	100%		32-143%
1718-51-0	Terphenyl-d14	87%		48-149%

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

Report of Analysis

Client Sample ID:	SS01-A@4'		
Lab Sample ID:	DA75902-2	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	90.9
Project:	TASMCOA: Vern Marshall 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FH080808.D	1	10/04/25 01:07	JB	10/03/25 15:00	OP28783	GFH24009
Run #2							

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

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	< 4.1	4.1	mg/kg	
	TPH-ORO (> C28-C36)	< 6.2	6.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	70%		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-A@4'		
Lab Sample ID:	DA75902-2A	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
		Percent Solids:	90.9
Project:	TASMCOA: Vern Marshall 1		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	147	6.0	mg/l	1	10/06/25	10/07/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	95.2	3.0	mg/l	1	10/06/25	10/07/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	8.61	6.0	mg/l	1	10/06/25	10/07/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19702
(2) Prep QC Batch: MP43405

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS01-A@4'		
Lab Sample ID:	DA75902-2A	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
		Percent Solids:	90.9
Project:	TASMCOA: Vern Marshall 1		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.136		ratio	1	10/07/25 19:59	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-A@4'		
Lab Sample ID:	DA75902-2B	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
		Percent Solids:	90.9
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	10/07/25	10/11/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19716
(2) Prep QC Batch: MP43379

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS01-A@4'		
Lab Sample ID:	DA75902-2C	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
		Percent Solids:	90.9
Project:	TASMCOA: Vern Marshall 1		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.1	0.21	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	54.7	2.1	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	< 0.11	0.11	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	4.8	2.1	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	5.5	0.53	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	4.5	2.1	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.21	0.21	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.11	0.11	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	59.7	11	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19715
(2) Prep QC Batch: MP43378

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS01-A@4'		
Lab Sample ID:	DA75902-2C	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
		Percent Solids:	90.9
Project:	TASMCOA: Vern Marshall 1		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
pH-saturated paste method							
pH	7.45		su	1	10/04/25 16:41	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.27	0.0010	mmhos/cm	1	10/04/25 16:41	SG	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	0.49	0.45	mg/kg	1	11/03/25 16:36	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS02-A@4'		
Lab Sample ID:	DA75902-3	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
Method:	SW846 8260D	**Percent Solids:**	87.1
Project:	TASMCOA: Vern Marshall 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4V39749.D	1	10/03/25 15:45	MB	n/a	n/a	V4V1958
Run #2							

	Initial Weight	Final Volume
Run #1	5.30 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	94%		70-130%
2037-26-5	Toluene-D8	97%		70-130%
460-00-4	4-Bromofluorobenzene	86%		70-130%
17060-07-0	1,2-Dichloroethane-D4	108%		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-A@4'		
Lab Sample ID:	DA75902-3	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	87.1
Project:	TASMCOA: Vern Marshall 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G60878.D	1	10/04/25 01:03	TH	10/03/25 15:00	OP28781	E3G2925
Run #2							

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

COGCC Table 915-1 PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	88%		22-138%
4165-60-0	Nitrobenzene-d5	95%		32-143%
1718-51-0	Terphenyl-d14	88%		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-A@4'		
Lab Sample ID:	DA75902-3	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	87.1
Project:	TASMCOA: Vern Marshall 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FH080809.D	1	10/04/25 01:18	JB	10/03/25 15:00	OP28783	GFH24009
Run #2							

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

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	< 4.4	4.4	mg/kg	
	TPH-ORO (> C28-C36)	< 6.6	6.6	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:	SS02-A@4'		
Lab Sample ID:	DA75902-3A	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
		Percent Solids:	87.1
Project:	TASMCOA: Vern Marshall 1		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	34.3	6.0	mg/l	1	10/06/25	10/07/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	9.93	3.0	mg/l	1	10/06/25	10/07/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	14.9	6.0	mg/l	1	10/06/25	10/07/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19702
(2) Prep QC Batch: MP43405

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS02-A@4'		
Lab Sample ID:	DA75902-3A	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
		Percent Solids:	87.1
Project:	TASMCOA: Vern Marshall 1		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.576		ratio	1	10/07/25 20:00	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-A@4'		
Lab Sample ID:	DA75902-3B	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
		Percent Solids:	87.1
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	10/07/25	10/11/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19716
(2) Prep QC Batch: MP43379

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS02-A@4'		
Lab Sample ID:	DA75902-3C	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
		Percent Solids:	87.1
Project:	TASMCOA: Vern Marshall 1		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.4	0.22	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	80.0	2.2	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	< 0.11	0.11	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	8.7	2.2	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	8.1	0.55	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	8.8	2.2	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.22	0.22	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.11	0.11	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	30.9	11	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19715
(2) Prep QC Batch: MP43378

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS02-A@4'		
Lab Sample ID:	DA75902-3C	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
		Percent Solids:	87.1
Project:	TASMCOA: Vern Marshall 1		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
pH-saturated paste method							
pH	7.75		su	1	10/04/25 16:41	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.35	0.0010	mmhos/cm	1	10/04/25 16:41	SG	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.45	0.45	mg/kg	1	11/03/25 16:51	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS03-A@4'		
Lab Sample ID:	DA75902-4	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
Method:	SW846 8260D	**Percent Solids:**	93.9
Project:	TASMCOA: Vern Marshall 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4V39750.D	1	10/03/25 16:08	MB	n/a	n/a	V4V1958
Run #2							

	Initial Weight	Final Volume
Run #1	5.06 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	< 0.0021	0.0021	mg/kg	
108-88-3	Toluene	< 0.0021	0.0021	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	< 0.0021	0.0021	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	< 0.0021	0.0021	mg/kg	
	m,p-Xylene	< 0.0021	0.0021	mg/kg	
95-47-6	o-Xylene	< 0.0021	0.0021	mg/kg	
1330-20-7	Xylene (total)	< 0.0021	0.0021	mg/kg	
	TPH-GRO (C6-C10)	< 0.21	0.21	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		70-130%
2037-26-5	Toluene-D8	97%		70-130%
460-00-4	4-Bromofluorobenzene	92%		70-130%
17060-07-0	1,2-Dichloroethane-D4	102%		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-A@4'		
Lab Sample ID:	DA75902-4	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	93.9
Project:	TASMCOA: Vern Marshall 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G60879.D	1	10/04/25 01:25	TH	10/03/25 15:00	OP28781	E3G2925
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	< 0.0042	0.0042	mg/kg	
120-12-7	Anthracene	< 0.0042	0.0042	mg/kg	
56-55-3	Benzo(a)anthracene	< 0.0052	0.0052	mg/kg	
205-99-2	Benzo(b)fluoranthene	< 0.0042	0.0042	mg/kg	
207-08-9	Benzo(k)fluoranthene	< 0.0042	0.0042	mg/kg	
50-32-8	Benzo(a)pyrene	< 0.0042	0.0042	mg/kg	
218-01-9	Chrysene	< 0.0042	0.0042	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	< 0.0042	0.0042	mg/kg	
206-44-0	Fluoranthene	< 0.0042	0.0042	mg/kg	
86-73-7	Fluorene	< 0.0042	0.0042	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	< 0.0042	0.0042	mg/kg	
90-12-0	1-Methylnaphthalene	< 0.0042	0.0042	mg/kg	
91-57-6	2-Methylnaphthalene	< 0.0042	0.0042	mg/kg	
91-20-3	Naphthalene	< 0.0021	0.0021	mg/kg	
129-00-0	Pyrene	< 0.0042	0.0042	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	95%		22-138%
4165-60-0	Nitrobenzene-d5	98%		32-143%
1718-51-0	Terphenyl-d14	83%		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-A@4'		
Lab Sample ID:	DA75902-4	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	93.9
Project:	TASMCOA: Vern Marshall 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FH080810.D	1	10/04/25 01:30	JB	10/03/25 15:00	OP28783	GFH24009
Run #2							

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

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	22.6	3.9	mg/kg	
	TPH-ORO (> C28-C36)	41.2	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		20-142%

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

Report of Analysis

Client Sample ID:	SS03-A@4'		
Lab Sample ID:	DA75902-4A	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
		Percent Solids:	93.9
Project:	TASMCOA: Vern Marshall 1		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	316	6.0	mg/l	1	10/06/25	10/07/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	216	3.0	mg/l	1	10/06/25	10/07/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	9.95	6.0	mg/l	1	10/06/25	10/07/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19702
(2) Prep QC Batch: MP43405

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS03-A@4'		
Lab Sample ID:	DA75902-4A	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
		Percent Solids:	93.9
Project:	TASMCOA: Vern Marshall 1		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.106		ratio	1	10/07/25 20:02	BR	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS03-A@4'		
Lab Sample ID:	DA75902-4B	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
		Percent Solids:	93.9
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	10/07/25	10/11/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19716
(2) Prep QC Batch: MP43379

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS03-A@4'		
Lab Sample ID:	DA75902-4C	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
		Percent Solids:	93.9
Project:	TASMCOA: Vern Marshall 1		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.9	0.21	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	56.1	2.1	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.10	0.10	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	5.1	2.1	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	6.0	0.52	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	4.0	2.1	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.21	0.21	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.10	0.10	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	20.2	10	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19715
(2) Prep QC Batch: MP43378

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS03-A@4'		
Lab Sample ID:	DA75902-4C	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
		Percent Solids:	93.9
Project:	TASMCOA: Vern Marshall 1		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
pH-saturated paste method							
pH	6.61		su	1	10/04/25 16:41	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.21	0.0010	mmhos/cm	1	10/04/25 16:41	SG	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.43	0.43	mg/kg	1	11/03/25 17:23	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS04-A@4'		
Lab Sample ID:	DA75902-5	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
Method:	SW846 8260D	**Percent Solids:**	94.1
Project:	TASMCOA: Vern Marshall 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4V39757.D	1	10/03/25 18:47	MB	n/a	n/a	V4V1958
Run #2							

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

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	< 0.0010	0.0010	mg/kg	
100-41-4	Ethylbenzene	< 0.0021	0.0021	mg/kg	
108-88-3	Toluene	< 0.0021	0.0021	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	< 0.0021	0.0021	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	< 0.0021	0.0021	mg/kg	
	m,p-Xylene	< 0.0021	0.0021	mg/kg	
95-47-6	o-Xylene	< 0.0021	0.0021	mg/kg	
1330-20-7	Xylene (total)	< 0.0021	0.0021	mg/kg	
	TPH-GRO (C6-C10)	< 0.21	0.21	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		70-130%
2037-26-5	Toluene-D8	101%		70-130%
460-00-4	4-Bromofluorobenzene	89%		70-130%
17060-07-0	1,2-Dichloroethane-D4	101%		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-A@4'		
Lab Sample ID:	DA75902-5	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	94.1
Project:	TASMCOA: Vern Marshall 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G60880.D	1	10/04/25 01:47	TH	10/03/25 15:00	OP28781	E3G2925
Run #2							

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

COGCC Table 915-1 PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	< 0.0039	0.0039	mg/kg	
120-12-7	Anthracene	0.0067	0.0039	mg/kg	
56-55-3	Benzo(a)anthracene	0.0197	0.0049	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.0252	0.0039	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.0073	0.0039	mg/kg	
50-32-8	Benzo(a)pyrene	0.0167	0.0039	mg/kg	
218-01-9	Chrysene	0.0207	0.0039	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.0048	0.0039	mg/kg	
206-44-0	Fluoranthene	0.0327	0.0039	mg/kg	
86-73-7	Fluorene	< 0.0039	0.0039	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0111	0.0039	mg/kg	
90-12-0	1-Methylnaphthalene	< 0.0039	0.0039	mg/kg	
91-57-6	2-Methylnaphthalene	< 0.0039	0.0039	mg/kg	
91-20-3	Naphthalene	< 0.0020	0.0020	mg/kg	
129-00-0	Pyrene	0.0342	0.0039	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	94%		22-138%
4165-60-0	Nitrobenzene-d5	102%		32-143%
1718-51-0	Terphenyl-d14	73%		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-A@4'		
Lab Sample ID:	DA75902-5	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	94.1
Project:	TASMCOA: Vern Marshall 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FH080811.D	1	10/04/25 01:41	JB	10/03/25 15:00	OP28783	GFH24009
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)	< 4.1	4.1	mg/kg	
	TPH-ORO (> C28-C36)	7.83	6.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	65%		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-A@4'		
Lab Sample ID:	DA75902-5A	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
		Percent Solids:	94.1
Project:	TASMCOA: Vern Marshall 1		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	46.4	6.0	mg/l	1	10/06/25	10/07/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	10.9	3.0	mg/l	1	10/06/25	10/07/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	15.5	6.0	mg/l	1	10/06/25	10/07/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19702
(2) Prep QC Batch: MP43405

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS04-A@4'		
Lab Sample ID:	DA75902-5A	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
		Percent Solids:	94.1
Project:	TASMCOA: Vern Marshall 1		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.532		ratio	1	10/07/25 20:03	BR	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS04-A@4'		
Lab Sample ID:	DA75902-5B	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
		Percent Solids:	94.1
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	10/07/25	10/11/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19716
(2) Prep QC Batch: MP43379

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS04-A@4'		
Lab Sample ID:	DA75902-5C	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
		Percent Solids:	94.1
Project:	TASMCOA: Vern Marshall 1		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.5	0.20	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	54.3	2.0	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.11	0.10	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	4.4	2.0	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	5.4	0.50	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	3.1	2.0	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.20	0.20	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.10	0.10	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	90.3	10	mg/kg	10	10/03/25	10/10/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19715
(2) Prep QC Batch: MP43378

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS04-A@4'		
Lab Sample ID:	DA75902-5C	**Date Sampled:**	10/03/25
Matrix:	SO - Soil	**Date Received:**	10/03/25
		Percent Solids:	94.1
Project:	TASMCOA: Vern Marshall 1		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
pH-saturated paste method							
pH	7.67		su	1	10/04/25 16:41	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.43	0.0010	mmhos/cm	1	10/04/25 16:41	SG	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.43	0.43	mg/kg	1	11/03/25 17:39	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

Page 1 of 1

Bottle Order Control #	FED-EX Tracking #
SGS Quote #	SGS Job # DA75902

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; rbueuf27@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 #: 0270
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)

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	NaSO3	**Metals (specify): Full 915 Suite	LAB USE ONLY
FS01-A@7'	10/3/25	1050	EL	SO	3	3										X	
SS01-A@4'	"	1057	"	"	1	"										"	
SS02-A@4'	"	1102	"	"	"	"										"	
SS03-A@4'	"	1106	"	"	"	"										"	
SS04-A@4'	"	1109	"	"	"	"										"	

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED - Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB - Equipment Blank
RB - Rinse Blank
D=dissolved metals
PD=Potentially dissolved
TR=Total recoverable

Turnaround Time (Business days)

☒ 10 Business Days
☐ 5 Business Days
☐ 3 Business Days RUSH
☐ 2 Business Days RUSH
☒ 1 Business Day EMERGENCY
Emergency & Rush T/A data available via Email or LabLink. RUSH TAT approval needed.

Special Reporting Instructions

☐ Report in PPB
☐ Report in PPM
☐ Report MDLs

Data Deliverable Information

☐ Commercial "A" (Level 1, Results Only)
☐ Commercial "B" (Level 2, Results + QC Summary)
☐ COMMBN (Results/QC/Narrative)
☐ COMMBN+ [Results/QC/Narrative (+ chromatograms)]
☐ REDT2 (Results/QC Summary/partial raw data)
☐ FULT1
☒ EDD Format . Tasman

Comments / Special Instructions

**Metals: specify metal(s), method, and type (D, PD, TR)
BTEXN, TPH, PAHs 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: 1	Date/Time: 10/3/25 1315	Received By/Affiliation: 1	Relinquished By/Affiliation: 2	Date/Time:	Received By/Affiliation: 2
Relinquished by/Affiliation: 3	Date/Time:	Received By/Affiliation: 3	Relinquished By/Affiliation: 4	Date/Time:	Received By/Affiliation: 4

Custody Seal #: Intact ☐ Not Intact ☐ Absent ☐
Preserved where applicable ☐
Cooler Temp. °C (corrected): 3.5 Therm. ID: IR8
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: da75902 **Client:** TASMAN **Project:** VERN MARSHALL 1

Date / Time Received: 10/3/2025 1:15:00 PM **Delivery Method:** hd **Airbill #'s:**

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

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

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

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

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

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

Misc Information

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

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

Residual Chlorine Test Strip Lot

Comments 8260 soils will be in freezer by 7PM 10/3/2025.

SM001
Rev. Date 05/04/17

Technician: TERRIM Date: 10/3/2025 1:24:52 PM Reviewer: Date:

DA75902: Chain of Custody
Page 2 of 2

MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: DA75902
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4V1958-MB	4V39748.D	1	10/03/25	MB	n/a	n/a	V4V1958

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

DA75902-1, DA75902-2, DA75902-3, DA75902-4, DA75902-5

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	89%	70-130%
2037-26-5	Toluene-D8	96%	70-130%
460-00-4	4-Bromofluorobenzene	87%	70-130%
17060-07-0	1,2-Dichloroethane-D4	103%	70-130%

Blank Spike Summary

Job Number: DA75902
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4V1958-BS	4V39746.D	1	10/03/25	MB	n/a	n/a	V4V1958

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

DA75902-1, DA75902-2, DA75902-3, DA75902-4, DA75902-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	50.9	102	70-130
100-41-4	Ethylbenzene	50	57.4	115	70-130
108-88-3	Toluene	50	55.7	111	70-130
95-63-6	1,2,4-Trimethylbenzene	50	58.6	117	70-134
108-67-8	1,3,5-Trimethylbenzene	50	59.3	119	70-134
	m,p-Xylene	100	117	117	70-130
95-47-6	o-Xylene	50	61.7	123	70-136
1330-20-7	Xylene (total)	150	178	119	70-131

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	88%	70-130%
2037-26-5	Toluene-D8	104%	70-130%
460-00-4	4-Bromofluorobenzene	111%	70-130%
17060-07-0	1,2-Dichloroethane-D4	102%	70-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA75902
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4V1958-BS	4V39747.D	1	10/03/25	MB	n/a	n/a	V4V1958

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

DA75902-1, DA75902-2, DA75902-3, DA75902-4, DA75902-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
	TPH-GRO (C6-C10)	2000	2180	109	64-144

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	85%	70-130%
2037-26-5	Toluene-D8	98%	70-130%
460-00-4	4-Bromofluorobenzene	91%	70-130%
17060-07-0	1,2-Dichloroethane-D4	101%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA75902
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA75902-3MS	4V39751.D	1	10/03/25	MB	n/a	n/a	V4V1958
DA75902-3MSD	4V39752.D	1	10/03/25	MB	n/a	n/a	V4V1958
DA75902-3	4V39749.D	1	10/03/25	MB	n/a	n/a	V4V1958

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

DA75902-1, DA75902-2, DA75902-3, DA75902-4, DA75902-5

CAS No.	Compound	DA75902-3 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		56.5	54.1	96	56.3	53.7	95	1	44-150/44
100-41-4	Ethylbenzene	< 2.2		56.5	58.8	104	56.3	58.7	104	0	41-149/49
108-88-3	Toluene	< 2.2		56.5	59.9	106	56.3	59.7	106	0	40-149/47
95-63-6	1,2,4-Trimethylbenzene	< 2.2		56.5	60.3	107	56.3	60.5	107	0	26-164/57
108-67-8	1,3,5-Trimethylbenzene	< 2.2		56.5	61.0	108	56.3	61.1	109	0	30-161/60
	m,p-Xylene	< 2.2		113	121	107	113	119	106	2	36-152/49
95-47-6	o-Xylene	< 2.2		56.5	64.1	113	56.3	63.5	113	1	33-168/49
1330-20-7	Xylene (total)	< 2.2		170	185	109	169	182	108	2	36-157/49

CAS No.	Surrogate Recoveries	MS	MSD	DA75902-3	Limits
1868-53-7	Dibromofluoromethane	92%	92%	94%	70-130%
2037-26-5	Toluene-D8	107%	107%	97%	70-130%
460-00-4	4-Bromofluorobenzene	103%	105%	86%	70-130%
17060-07-0	1,2-Dichloroethane-D4	106%	105%	108%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA75902
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA75902-4MS	4V39753.D	1	10/03/25	MB	n/a	n/a	V4V1958
DA75902-4MSD	4V39754.D	1	10/03/25	MB	n/a	n/a	V4V1958
DA75902-4	4V39750.D	1	10/03/25	MB	n/a	n/a	V4V1958

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

DA75902-1, DA75902-2, DA75902-3, DA75902-4, DA75902-5

CAS No.	Compound	DA75902-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	< 210		2080	1920	92	2020	1820	90	5	18-158/83

CAS No.	Surrogate Recoveries	MS	MSD	DA75902-4	Limits
1868-53-7	Dibromofluoromethane	91%	91%	91%	70-130%
2037-26-5	Toluene-D8	102%	102%	97%	70-130%
460-00-4	4-Bromofluorobenzene	90%	92%	92%	70-130%
17060-07-0	1,2-Dichloroethane-D4	104%	106%	102%	70-130%

* = Outside of Control Limits.

MS Semi-volatiles

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QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: DA75902
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28781-MB	3G60872.D	1	10/03/25	TH	10/03/25	OP28781	E3G2925

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

DA75902-1, DA75902-2, DA75902-3, DA75902-4, DA75902-5

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	86%	22-138%
4165-60-0	Nitrobenzene-d5	82%	32-143%
1718-51-0	Terphenyl-d14	95%	48-149%

Blank Spike Summary

Job Number: DA75902
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28781-BS	3G60873.D	1	10/03/25	TH	10/03/25	OP28781	E3G2925

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

DA75902-1, DA75902-2, DA75902-3, DA75902-4, DA75902-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
83-32-9	Acenaphthene	200	251	126	46-152
120-12-7	Anthracene	200	263	132	65-147
56-55-3	Benzo(a)anthracene	200	254	127	64-144
205-99-2	Benzo(b)fluoranthene	200	263	132	70-154
207-08-9	Benzo(k)fluoranthene	200	262	131	70-158
50-32-8	Benzo(a)pyrene	200	258	129	64-159
218-01-9	Chrysene	200	246	123	70-156
53-70-3	Dibenzo(a,h)anthracene	200	269	135	63-156
206-44-0	Fluoranthene	200	260	130	62-155
86-73-7	Fluorene	200	248	124	55-151
193-39-5	Indeno(1,2,3-cd)pyrene	200	271	136	67-156
90-12-0	1-Methylnaphthalene	200	229	115	21-168
91-57-6	2-Methylnaphthalene	200	230	115	18-161
91-20-3	Naphthalene	200	218	109	2-173
129-00-0	Pyrene	200	253	127	61-158

CAS No.	Surrogate Recoveries	BSP	Limits
321-60-8	2-Fluorobiphenyl	101%	22-138%
4165-60-0	Nitrobenzene-d5	97%	32-143%
1718-51-0	Terphenyl-d14	106%	48-149%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA75902
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28781-MS	3G60874.D	1	10/03/25	TH	10/03/25	OP28781	E3G2925
OP28781-MSD	3G60875.D	1	10/03/25	TH	10/03/25	OP28781	E3G2925
DA75902-1	3G60876.D	1	10/04/25	TH	10/03/25	OP28781	E3G2925

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

DA75902-1, DA75902-2, DA75902-3, DA75902-4, DA75902-5

CAS No.	Compound	DA75902-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	< 4.7		234	265	113	238	295	124	11	30-148/32
120-12-7	Anthracene	< 4.7		234	292	125	238	313	131	7	40-148/33
56-55-3	Benzo(a)anthracene	< 5.8		234	294	126	238	273	115	7	44-144/32
205-99-2	Benzo(b)fluoranthene	< 4.7		234	280	120	238	259	109	8	36-166/43
207-08-9	Benzo(k)fluoranthene	< 4.7		234	282	121	238	251	105	12	43-165/41
50-32-8	Benzo(a)pyrene	< 4.7		234	280	120	238	259	109	8	41-161/37
218-01-9	Chrysene	< 4.7		234	271	116	238	245	103	10	52-152/32
53-70-3	Dibenzo(a,h)anthracene	< 4.7		234	278	119	238	243	102	13	42-155/36
206-44-0	Fluoranthene	< 4.7		234	292	125	238	305	128	4	40-151/34
86-73-7	Fluorene	< 4.7		234	264	113	238	296	124	11	34-149/34
193-39-5	Indeno(1,2,3-cd)pyrene	< 4.7		234	282	121	238	250	105	12	41-156/37
90-12-0	1-Methylnaphthalene	< 4.7		234	247	106	238	265	111	7	23-149/36
91-57-6	2-Methylnaphthalene	< 4.7		234	244	104	238	273	115	11	18-144/35
91-20-3	Naphthalene	< 2.3		234	239	102	238	269	113	12	18-150/32
129-00-0	Pyrene	< 4.7		234	285	122	238	302	127	6	38-156/33

CAS No.	Surrogate Recoveries	MS	MSD	DA75902-1	Limits
321-60-8	2-Fluorobiphenyl	90%	92%	100%	22-138%
4165-60-0	Nitrobenzene-d5	102%	98%	107%	32-143%
1718-51-0	Terphenyl-d14	72%	87%	76%	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: DA75902
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28783-MB	FH080800.D	1	10/03/25	JB	10/03/25	OP28783	GFH24009

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

DA75902-1, DA75902-2, DA75902-3, DA75902-4, DA75902-5

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	102%	20-142%

Blank Spike Summary

Job Number: DA75902
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28783-BS1	FH080801.D	1	10/03/25	JB	10/03/25	OP28783	GFH24009

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

DA75902-1, DA75902-2, DA75902-3, DA75902-4, DA75902-5

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	200	191	96	70-130

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

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA75902
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28783-BS2	FH080802.D	1	10/03/25	JB	10/03/25	OP28783	GFH24009

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

DA75902-1, DA75902-2, DA75902-3, DA75902-4, DA75902-5

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-ORO (> C28-C36)	200	201	101	70-138

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

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA75902
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28783-MS1	FH080803.D	1	10/04/25	JB	10/03/25	OP28783	GFH24009
OP28783-MSD1	FH080804.D	1	10/04/25	JB	10/03/25	OP28783	GFH24009
DA75902-1	FH080807.D	1	10/04/25	JB	10/03/25	OP28783	GFH24009

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

DA75902-1, DA75902-2, DA75902-3, DA75902-4, DA75902-5

CAS No.	Compound	DA75902-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	< 4.7		235	187	80	231	184	80	2	59-130/30

CAS No.	Surrogate Recoveries	MS	MSD	DA75902-1	Limits
84-15-1	o-Terphenyl	70%	69%	62%	20-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA75902
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28783-MS2	FH080805.D	1	10/04/25	JB	10/03/25	OP28783	GFH24009
OP28783-MSD2	FH080806.D	1	10/04/25	JB	10/03/25	OP28783	GFH24009
DA75902-2	FH080808.D	1	10/04/25	JB	10/03/25	OP28783	GFH24009

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

DA75902-1, DA75902-2, DA75902-3, DA75902-4, DA75902-5

CAS No.	Compound	DA75902-2 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)	< 6.2		209	201	96	208	202	97	0	70-153/30

CAS No.	Surrogate Recoveries	MS	MSD	DA75902-2	Limits
84-15-1	o-Terphenyl	79%	79%	70%	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: DA75902
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43378
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	0.041	<0.20
Barium	2.0	.096	.24	0.035	<2.0
Beryllium	0.20	.077	.04		
Boron	40	18	10		
Cadmium	0.10	.03	.04	0.013	<0.10
Calcium	400	25	30		
Chromium	2.0	.087	.6		
Cobalt	0.20	.04	.025		
Copper	2.0	.05	.25	0.041	<2.0
Iron	20	1.6	15		
Lead	0.50	.094	.2	0.029	<0.50
Magnesium	100	10	10		
Manganese	1.0	.079	.2		
Molybdenum	1.0	.037	.27		
Nickel	2.0	.098	.2	-0.51	<2.0
Phosphorus	60	7.6	25		
Potassium	200	2	25		
Selenium	0.20	.05	.05	0.031	<0.20
Silver	0.10	.0081	.03	0.0032	<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	0.13	<10

Associated samples MP43378: DA75902-1C, DA75902-2C, DA75902-3C, DA75902-4C, DA75902-5C

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: DA75902
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43378
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 10/03/25

Metal	DA75902-1C Original	MS	Spikelot ICPMS6	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	5.4	119	112	101.0	75-125
Barium	185	364	225	79.6	75-125
Beryllium					
Boron					
Cadmium	0.25	62.7	56.2	111.1	75-125
Calcium					
Chromium					
Cobalt					
Copper	13.5	73.1	56.2	106.0	75-125
Iron					
Lead	12.4	133	112	107.3	75-125
Magnesium					
Manganese					
Molybdenum					
Nickel	12.4	71.2	56.2	104.6	75-125
Phosphorus					
Potassium					
Selenium	0.27	110	112	97.6	75-125
Silver	0.038	25.5	22.5	113.2	75-125
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc	43.6	107	56.2	112.8	75-125

Associated samples MP43378: DA75902-1C, DA75902-2C, DA75902-3C, DA75902-4C, DA75902-5C

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: DA75902
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43378 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 10/03/25

Metal	DA75902-1C Original	MSD	Spikelot ICPMS6	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	5.4	121	116	99.9	1.7	20
Barium	185	356	231	73.9N(a)	2.2	20
Beryllium						
Boron						
Cadmium	0.25	63.6	57.9	109.5	1.4	20
Calcium						
Chromium						
Cobalt						
Copper	13.5	74.5	57.9	105.4	1.9	20
Iron						
Lead	12.4	135	116	105.9	1.5	20
Magnesium						
Manganese						
Molybdenum						
Nickel	12.4	72.4	57.9	103.7	1.7	20
Phosphorus						
Potassium						
Selenium	0.27	111	116	95.7	0.9	20
Silver	0.038	26.0	23.1	112.2	1.9	20
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc	43.6	109	57.9	113.0	1.9	20

Associated samples MP43378: DA75902-1C, DA75902-2C, DA75902-3C, DA75902-4C, DA75902-5C

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
(a) Spike recovery indicates possible matrix interference.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA75902
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43378
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	103	100	103.0	80-120
Barium	196	200	98.0	80-120
Beryllium				
Boron				
Cadmium	54.6	50	109.2	80-120
Calcium				
Chromium				
Cobalt				
Copper	52.7	50	105.4	80-120
Iron				
Lead	104	100	104.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel	51.9	50	103.8	80-120
Phosphorus				
Potassium				
Selenium	102	100	102.0	80-120
Silver	22.0	20	110.0	80-120
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	52.2	50	104.4	80-120

Associated samples MP43378: DA75902-1C, DA75902-2C, DA75902-3C, DA75902-4C, DA75902-5C

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA75902
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43378
Matrix Type: SOLID

Methods: SW846 6020B
Units: ug/l

Prep Date: 10/03/25

Metal	DA75902-1C Original	SDL 10:50%DIF		QC Limits
Aluminum				
Antimony				
Arsenic	46.6	49.5	6.3	0-20
Barium	1590	1620	1.8	0-20
Beryllium				
Boron				
Cadmium	2.12	1.84	12.9	0-20
Calcium				
Chromium				
Cobalt				
Copper	115	119	3.2	0-20
Iron				
Lead	106	103	2.4	0-20
Magnesium				
Manganese				
Molybdenum				
Nickel	106	85.6	19.5	0-20
Phosphorus				
Potassium				
Selenium	2.31	3.80	64.4 (a)	0-20
Silver	0.321	0.00	100.0(a)	0-20
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	373	380	2.1	0-20

Associated samples MP43378: DA75902-1C, DA75902-2C, DA75902-3C, DA75902-4C, DA75902-5C

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: DA75902
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43379
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/07/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	500	9.9	75		
Antimony	150	30	34		
Arsenic	130	11	23		
Barium	50	.95	6.5		
Beryllium	50	.5	6.5		
Boron	250	6.3	32	1.0	<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 MP43379: DA75902-1B, DA75902-2B, DA75902-3B, DA75902-4B, DA75902-5B

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA75902
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43379
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/07/25

Metal	RL	IDL	MDL	MB raw	final

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75902
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43379
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			10/07/25					10/07/25	
Metal	DA75902-1B Original	DUP	RPD	QC Limits	DA75902-1B Original	MS	Spikelot ICPALL6	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Boron	103	103	0.0	0-20	103	9220	10000	91.2	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 MP43379: DA75902-1B, DA75902-2B, DA75902-3B, DA75902-4B, DA75902-5B

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75902
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43379
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

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

Metal	DA75902-1B Original DUP	RPD	QC Limits	DA75902-1B 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: DA75902
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43379
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/07/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	8480	10000	84.8	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 MP43379: DA75902-1B, DA75902-2B, DA75902-3B, DA75902-4B, DA75902-5B

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA75902
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43379
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/07/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits

(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA75902
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43379
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/07/25

Metal	DA75902-1B Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	20.5	21.1	2.9	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 MP43379: DA75902-1B, DA75902-2B, DA75902-3B, DA75902-4B, DA75902-5B

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA75902
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43379
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/07/25

	DA75902-1B		QC
Metal	Original SDL 1:5	%DIF	Limits

(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA75902
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43405
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	-140	<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	97.5	<3000
Manganese	75	2.6	9.5		
Molybdenum	150	38	42		
Nickel	450	17	57		
Phosphorus	1500	170	240		
Potassium	15000	540	1900		
Selenium	750	140	320		
Silicon	3000	620	2300		
Silver	450	8.4	57		
Sodium	6000	130	750	410	<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 MP43405: DA75902-1A, DA75902-2A, DA75902-3A, DA75902-4A, DA75902-5A

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA75902
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43405
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: DA75902
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43405 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/06/25

Metal	DA75902-1A Original	MS	Spikelot ICPALL6	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium	30200	410000	375000	101.3	75-125
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Lithium					
Magnesium	13900	393000	375000	101.1	75-125
Manganese					
Molybdenum					
Nickel					
Phosphorus					
Potassium					
Selenium					
Silicon					
Silver					
Sodium	35700	406000	375000	98.7	75-125
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc					

Associated samples MP43405: DA75902-1A, DA75902-2A, DA75902-3A, DA75902-4A, DA75902-5A

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75902
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43405
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/06/25

Metal	DA75902-1A Original MS	Spikelot ICPALL6	% Rec	QC Limits

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75902
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43405 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/06/25

Metal	DA75902-1A Original	MSD	Spikelot ICPALL6	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium	30200	404000	375000	99.7	1.5	20
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Lithium						
Magnesium	13900	388000	375000	99.8	1.3	20
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium						
Silicon						
Silver						
Sodium	35700	402000	375000	97.7	1.0	20
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc						

Associated samples MP43405: DA75902-1A, DA75902-2A, DA75902-3A, DA75902-4A, DA75902-5A

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75902
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43405 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/06/25

Metal	DA75902-1A Original MSD	Spikelot ICPALL6 % Rec	MSD RPD	QC Limit

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA75902
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43405
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	378000	375000	100.8	80-120
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	377000	375000	100.5	80-120
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	371000	375000	98.9	80-120
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP43405: DA75902-1A, DA75902-2A, DA75902-3A, DA75902-4A, DA75902-5A

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA75902
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43405
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: DA75902
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43405
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/06/25

Metal	DA75902-1A Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	2010	2010	0.0	0-10
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	926	932	0.6	0-10
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	2380	2450	2.8	0-10
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP43405: DA75902-1A, DA75902-2A, DA75902-3A, DA75902-4A, DA75902-5A

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA75902
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Vern Marshall 1

QC Batch ID: MP43405
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/06/25

Metal	DA75902-1A Original SDL 1:5	%DIF	QC 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: DA75902
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	GP39606/GN69554			mmhos/cm	1.409	1.4	100.4	90-110%

Associated Samples:
Batch GP39606: DA75902-1C, DA75902-2C, DA75902-3C, DA75902-4C, DA75902-5C
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA75902
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	GP39606/GN69554	DA75910-5C	mmhos/cm	0.32	0.34	8.5	0-20%
pH	GN69553	DA75902-1C	su	8.10	8.11	0.1	0-5%

Associated Samples:
Batch GN69553: DA75902-1C, DA75902-2C, DA75902-3C, DA75902-4C, DA75902-5C
Batch GP39606: DA75902-1C, DA75902-2C, DA75902-3C, DA75902-4C, DA75902-5C
(*) Outside of QC limits

Misc. Forms

Custody Documents and Other Forms

(SGS Dayton, NJ)

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

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

SO

NJ

FED-EX Tracking #: 7444-9078-9575
Bottle Order Control #:
SGS Quote #:
SGS Job #: DA75902

Client / Reporting Information	Project Information	Requested Analysis (see TEST CODE sheet)	Matrix Codes
Company Name: SGS North America Inc.	Project Name: TASMCOA: Vern Marshall 1		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
Street Address: 4036 Youngfield Street	Street:	Billing Information (if different from Report to)	
City: Wheat Ridge, State: CO, Zip: 8003	City: State:	Company Name:	
Project Contact: parna.eskandaripayandeh@sgs.com E-mail:	Project #:	Street Address:	
Phone #: 303-425-6021 Fax #:	Client Purchase Order #:	City: State: Zip:	
Sampler(s) Name(s): EL Phone:	Project Manager:	Attention:	

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	XCRA7199	LAB USE ONLY
1C	FS01-A@7'		10/3/25	10:50:00 AM	EL	SO										X	DFLR
2C	SS01-A@4'		10/3/25	10:57:00 AM	EL	SO										X	
3C	SS02-A@4'		10/3/25	11:02:00 AM	EL	SO										X	
4C	SS03-A@4'		10/3/25	11:06:00 AM	EL	SO										X	
5C	SS04-A@4'		10/3/25	11:09:00 AM	EL	SO										X	

Turnaround Time (Business days)

Approved By (SGS PM): / Date:

- [ ] Standard 10 Day (business)
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY
- [X] other Due 10/13/2025

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

Data Deliverable Information

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

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

Comments / Special Instructions

Initial Assessment DJ-2B
Label Verification

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

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	10/6/25	1 Fedex	2 Fedex	10/7/25	2
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4	11:50	4
Relinquished by:	Date Time:	Received By:	Custody Seal #	Preserved where applicable	On Ice / Cooler Temp.
5		5	Intact / Not intact	Therm. ID:	2.4

10.1 10

DA75902: Chain of Custody
Page 1 of 2
SGS Dayton, NJ

SGS Sample Receipt Summary

Job Number: DA75902 **Client:** SGS NORTH AMERICA INC **Project:**

Date / Time Received: 10/7/2025 11:50:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (2.4);

Cooler Temps (Corrected) °C: Cooler 1: (2.5);

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

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR-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

DA75902: 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: DA75902
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	GP65145/GN75569	0.40	0.0	mg/kg	40	35.7	89.3	80-120%
Chromium, Hexavalent	GP65145/GN75569			mg/kg	1060	1020	96.6	80-120%

Associated Samples:
Batch GP65145: DA75902-1C, DA75902-2C, DA75902-3C, DA75902-4C, DA75902-5C
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA75902
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	GP65145/GN75569	DA75901-15	mg/kg	0.0	0.0	0.0	0-20%

Associated Samples:
Batch GP65145: DA75902-1C, DA75902-2C, DA75902-3C, DA75902-4C, DA75902-5C
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA75902
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	GP65145/GN75569	DA75901-15	mg/kg	0.0	43.2	39.6	91.6(a)	75-125%
Chromium, Hexavalent	GP65145/GN75569	DA75901-15	mg/kg	0.0	957	956	99.9(b)	75-125%

Associated Samples:
Batch GP65145: DA75902-1C, DA75902-2C, DA75902-3C, DA75902-4C, DA75902-5C
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Good recovery on soluble XCR matrix spike. Good recovery (98.1%) on the post-spike.
(b) Good recovery on insoluble XCR matrix spike. See additional comments on soluble matrix spike recovery.