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: Ritchey H-63N65W 27NWNW

10649

SGS Job Number: DA73983

Sampling Date: 07/29/25

Report to:

Chevron USA, Inc.
2115 117th Avenue
Greeley, CO 80634
parna.eskandaripayandeh@sgs.com

ATTN: AJ Englehardt

Total number of pages in report: **143**

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)

August 26, 2025

Kristofer Shepherd
Chevron U.S.A. Inc.
2115 117th Avenue
Greeley, CO 80634

Subject: Report Reissue for SGS Job: DA73983

Dear Kristofer Shepherd,

This revised report includes updated limits for Selenium. Please accept our apologies for any inconvenience this may have caused you.

Any questions or concerns should be directed to the undersigned at 303-425-6021.

Sincerely,

Eric Hoffman
General Manager

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SGS North America Inc.

Sample Summary

Chevron USA, Inc.

Job No: DA73983

TASMCOA: Ritchey H-63N65W 27NWNW
Project No: 10649

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
DA73983-1	07/29/25	08:29	CK	07/29/25	SO	Soil	PWV01@0-6"
DA73983-1A	07/29/25	08:29	CK	07/29/25	SO	Soil	PWV01@0-6"
DA73983-1B	07/29/25	08:29	CK	07/29/25	SO	Soil	PWV01@0-6"
DA73983-2	07/29/25	09:29	CK	07/29/25	SO	Soil	AST01@0-6"
DA73983-2A	07/29/25	09:29	CK	07/29/25	SO	Soil	AST01@0-6"
DA73983-2B	07/29/25	09:29	CK	07/29/25	SO	Soil	AST01@0-6"
DA73983-3	07/29/25	11:06	CK	07/29/25	SO	Soil	SEP01-DL@3'
DA73983-3A	07/29/25	11:06	CK	07/29/25	SO	Soil	SEP01-DL@3'
DA73983-3B	07/29/25	11:06	CK	07/29/25	SO	Soil	SEP01-DL@3'
DA73983-4	07/29/25	11:31	CK	07/29/25	SO	Soil	SEP01-FL@3'
DA73983-4A	07/29/25	11:31	CK	07/29/25	SO	Soil	SEP01-FL@3'
DA73983-4B	07/29/25	11:31	CK	07/29/25	SO	Soil	SEP01-FL@3'
DA73983-5	07/29/25	13:04	CK	07/29/25	SO	Soil	BKG01@0-1'

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

Sample Summary
(continued)

Chevron USA, Inc.

Job No: DA73983

TASMCOA: Ritchey H-63N65W 27NWNW
Project No: 10649

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
DA73983-5A	07/29/25	13:04	CK	07/29/25	SO	Soil	BKG01@0-1'
DA73983-5B	07/29/25	13:04	CK	07/29/25	SO	Soil	BKG01@0-1'
DA73983-6	07/29/25	13:05	CK	07/29/25	SO	Soil	BKG01@1-2'
DA73983-6A	07/29/25	13:05	CK	07/29/25	SO	Soil	BKG01@1-2'
DA73983-6B	07/29/25	13:05	CK	07/29/25	SO	Soil	BKG01@1-2'
DA73983-7	07/29/25	13:06	CK	07/29/25	SO	Soil	BKG01@2-3'
DA73983-7A	07/29/25	13:06	CK	07/29/25	SO	Soil	BKG01@2-3'
DA73983-7B	07/29/25	13:06	CK	07/29/25	SO	Soil	BKG01@2-3'
DA73983-8	07/29/25	13:07	CK	07/29/25	SO	Soil	BKG01@3-4'
DA73983-8A	07/29/25	13:07	CK	07/29/25	SO	Soil	BKG01@3-4'
DA73983-8B	07/29/25	13:07	CK	07/29/25	SO	Soil	BKG01@3-4'
DA73983-9	07/29/25	13:21	CK	07/29/25	SO	Soil	BKG02@0-1'
DA73983-9A	07/29/25	13:21	CK	07/29/25	SO	Soil	BKG02@0-1'

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

Sample Summary
(continued)

Chevron USA, Inc.

Job No: DA73983

TASMCOA: Ritchey H-63N65W 27NWNW
Project No: 10649

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
DA73983-9B	07/29/25	13:21	CK	07/29/25	SO	Soil	BKG02@0-1'
DA73983-10	07/29/25	13:22	CK	07/29/25	SO	Soil	BKG02@1-2'
DA73983-10A	07/29/25	13:22	CK	07/29/25	SO	Soil	BKG02@1-2'
DA73983-10B	07/29/25	13:22	CK	07/29/25	SO	Soil	BKG02@1-2'
DA73983-11	07/29/25	13:23	CK	07/29/25	SO	Soil	BKG02@2-3'
DA73983-11A	07/29/25	13:23	CK	07/29/25	SO	Soil	BKG02@2-3'
DA73983-11B	07/29/25	13:23	CK	07/29/25	SO	Soil	BKG02@2-3'
DA73983-12	07/29/25	13:24	CK	07/29/25	SO	Soil	BKG02@3-4'
DA73983-12A	07/29/25	13:24	CK	07/29/25	SO	Soil	BKG02@3-4'
DA73983-12B	07/29/25	13:24	CK	07/29/25	SO	Soil	BKG02@3-4'

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

Summary of Hits

Job Number: DA73983
Account: Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW
Collected: 07/29/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA73983-1	**PWV01@0-6"**					
Arsenic		2.1	0.20		mg/kg	SW846 6020B
Barium		38.1	2.0		mg/kg	SW846 6020B
Copper		5.2	2.0		mg/kg	SW846 6020B
Lead		3.7	0.49		mg/kg	SW846 6020B
Nickel		4.0	2.0		mg/kg	SW846 6020B
Zinc		14.3	9.9		mg/kg	SW846 6020B
pH		7.86			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.28	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA73983-1A	**PWV01@0-6"**					
Calcium		40.6	6.0		mg/l	SW846 6010C
Magnesium		7.12	3.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		0.0658			ratio	USDA HANDBOOK 60
DA73983-1B	**PWV01@0-6"**					
No hits reported in this sample.						
DA73983-2	**AST01@0-6"**					
TPH-DRO (C10-C28)		6.80	3.9		mg/kg	SW846-8015C
TPH-ORO (> C28-C36)		126	5.9		mg/kg	SW846-8015C
Arsenic		1.3	0.20		mg/kg	SW846 6020B
Barium		51.0	2.0		mg/kg	SW846 6020B
Copper		7.7	2.0		mg/kg	SW846 6020B
Lead		4.2	0.50		mg/kg	SW846 6020B
Nickel		5.8	2.0		mg/kg	SW846 6020B
Zinc		25.9	10		mg/kg	SW846 6020B
pH		7.80			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.13	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA73983-2A	**AST01@0-6"**					
Calcium		967	6.0		mg/l	SW846 6010C
Magnesium		567	3.0		mg/l	SW846 6010C
Sodium		508	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		3.21			ratio	USDA HANDBOOK 60
DA73983-2B	**AST01@0-6"**					
Boron		0.515	0.50		mg/l	SW846 6010C

Summary of Hits

Job Number: DA73983
Account: Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW
Collected: 07/29/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA73983-3	**SEP01-DL@3'**					
Arsenic		1.4	0.23		mg/kg	SW846 6020B
Barium		41.4	2.3		mg/kg	SW846 6020B
Cadmium		0.12	0.11		mg/kg	SW846 6020B
Copper		4.3	2.3		mg/kg	SW846 6020B
Lead		5.8	0.57		mg/kg	SW846 6020B
Nickel		3.8	2.3		mg/kg	SW846 6020B
Zinc		16.1	11		mg/kg	SW846 6020B
pH		8.64			su	WREP-125,4E-SATPASTE
Specific Conductivity		1.8	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA73983-3A	**SEP01-DL@3'**					
Calcium		1410	6.0		mg/l	SW846 6010C
Magnesium		430	3.0		mg/l	SW846 6010C
Sodium		169	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		1.01			ratio	USDA HANDBOOK 60
DA73983-3B	**SEP01-DL@3'**					
No hits reported in this sample.						
DA73983-4	**SEP01-FL@3'**					
TPH-DRO (C10-C28)		23.2	4.6		mg/kg	SW846-8015C
Arsenic		2.1	0.23		mg/kg	SW846 6020B
Barium		52.2	2.3		mg/kg	SW846 6020B
Cadmium		0.16	0.12		mg/kg	SW846 6020B
Copper		4.0	2.3		mg/kg	SW846 6020B
Lead		4.1	0.58		mg/kg	SW846 6020B
Nickel		4.1	2.3		mg/kg	SW846 6020B
Zinc		14.7	12		mg/kg	SW846 6020B
pH		8.53			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.36	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA73983-4A	**SEP01-FL@3'**					
Calcium		570	6.0		mg/l	SW846 6010C
Magnesium		219	3.0		mg/l	SW846 6010C
Sodium		95.8	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		0.864			ratio	USDA HANDBOOK 60

Summary of Hits

Job Number: DA73983
Account: Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW
Collected: 07/29/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA73983-4B	**SEP01-FL@3'**					
No hits reported in this sample.						
DA73983-5	**BKG01@0-1'**					
Arsenic		1.7	0.21		mg/kg	SW846 6020B
Barium		42.9	2.1		mg/kg	SW846 6020B
Copper		3.6	2.1		mg/kg	SW846 6020B
Lead		3.7	0.53		mg/kg	SW846 6020B
Nickel		3.5	2.1		mg/kg	SW846 6020B
Zinc		13.0	11		mg/kg	SW846 6020B
pH		7.62			su	WREP-125,4E-SATPASTE
Specific Conductivity		3.6	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA73983-5A	**BKG01@0-1'**					
Calcium		301	6.0		mg/l	SW846 6010C
Magnesium		110	3.0		mg/l	SW846 6010C
Sodium		565	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		7.08			ratio	USDA HANDBOOK 60
DA73983-5B	**BKG01@0-1'**					
No hits reported in this sample.						
DA73983-6	**BKG01@1-2'**					
Arsenic		1.3	0.23		mg/kg	SW846 6020B
Barium		41.8	2.3		mg/kg	SW846 6020B
Copper		3.7	2.3		mg/kg	SW846 6020B
Lead		3.6	0.58		mg/kg	SW846 6020B
Nickel		3.9	2.3		mg/kg	SW846 6020B
Zinc		13.6	12		mg/kg	SW846 6020B
pH		7.18			su	WREP-125,4E-SATPASTE
Specific Conductivity		2.5	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA73983-6A	**BKG01@1-2'**					
Calcium		186	6.0		mg/l	SW846 6010C
Magnesium		74.1	3.0		mg/l	SW846 6010C
Sodium		429	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		6.73			ratio	USDA HANDBOOK 60

Summary of Hits

Job Number: DA73983
Account: Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW
Collected: 07/29/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA73983-6B	**BKG01@1-2'**					
No hits reported in this sample.						
DA73983-7	**BKG01@2-3'**					
Arsenic		1.5	0.23		mg/kg	SW846 6020B
Barium		47.9	2.3		mg/kg	SW846 6020B
Copper		4.2	2.3		mg/kg	SW846 6020B
Lead		4.0	0.58		mg/kg	SW846 6020B
Nickel		4.4	2.3		mg/kg	SW846 6020B
Zinc		16.8	12		mg/kg	SW846 6020B
pH		7.11			su	WREP-125,4E-SATPASTE
Specific Conductivity		3.2	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA73983-7A	**BKG01@2-3'**					
Calcium		358	6.0		mg/l	SW846 6010C
Magnesium		126	3.0		mg/l	SW846 6010C
Sodium		492	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		5.69			ratio	USDA HANDBOOK 60
DA73983-7B	**BKG01@2-3'**					
No hits reported in this sample.						
DA73983-8	**BKG01@3-4'**					
Arsenic		1.4	0.21		mg/kg	SW846 6020B
Barium		46.0	2.1		mg/kg	SW846 6020B
Copper		4.2	2.1		mg/kg	SW846 6020B
Lead		4.1	0.52		mg/kg	SW846 6020B
Nickel		4.5	2.1		mg/kg	SW846 6020B
Zinc		16.0	10		mg/kg	SW846 6020B
pH		7.87			su	WREP-125,4E-SATPASTE
Specific Conductivity		2.3	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA73983-8A	**BKG01@3-4'**					
Calcium		146	6.0		mg/l	SW846 6010C
Magnesium		58.6	3.0		mg/l	SW846 6010C
Sodium		396	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		7.00			ratio	USDA HANDBOOK 60

Summary of Hits

Job Number: DA73983
Account: Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW
Collected: 07/29/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA73983-8B	**BKG01@3-4'**					
No hits reported in this sample.						
DA73983-9	**BKG02@0-1'**					
Arsenic		1.5	0.19		mg/kg	SW846 6020B
Barium		43.1	1.9		mg/kg	SW846 6020B
Copper		4.1	1.9		mg/kg	SW846 6020B
Lead		4.5	0.48		mg/kg	SW846 6020B
Nickel		5.0	1.9		mg/kg	SW846 6020B
Zinc		15.0	9.7		mg/kg	SW846 6020B
pH		7.29			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.37	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA73983-9A	**BKG02@0-1'**					
Calcium		29.2	6.0		mg/l	SW846 6010C
Magnesium		13.5	3.0		mg/l	SW846 6010C
Sodium		12.2	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		0.468			ratio	USDA HANDBOOK 60
DA73983-9B	**BKG02@0-1'**					
No hits reported in this sample.						
DA73983-10	**BKG02@1-2'**					
Arsenic		2.3	0.22		mg/kg	SW846 6020B
Barium		66.8	2.2		mg/kg	SW846 6020B
Copper		5.5	2.2		mg/kg	SW846 6020B
Lead		6.1	0.55		mg/kg	SW846 6020B
Nickel		6.6	2.2		mg/kg	SW846 6020B
Zinc		24.6	11		mg/kg	SW846 6020B
pH		7.48			su	WREP-125,4E-SATPASTE
Specific Conductivity		2.5	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA73983-10A	**BKG02@1-2'**					
Calcium		164	6.0		mg/l	SW846 6010C
Magnesium		62.6	3.0		mg/l	SW846 6010C
Sodium		375	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		6.32			ratio	USDA HANDBOOK 60

Summary of Hits

Job Number: DA73983
Account: Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW
Collected: 07/29/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA73983-10B	**BKG02@1-2'**					
Boron		0.593	0.50		mg/l	SW846 6010C
DA73983-11	**BKG02@2-3'**					
Arsenic		2.0	0.21		mg/kg	SW846 6020B
Barium		62.7	2.1		mg/kg	SW846 6020B
Copper		5.2	2.1		mg/kg	SW846 6020B
Lead		5.7	0.54		mg/kg	SW846 6020B
Nickel		6.8	2.1		mg/kg	SW846 6020B
Zinc		23.0	11		mg/kg	SW846 6020B
pH		7.25			su	WREP-125,4E-SATPASTE
Specific Conductivity		2.0	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA73983-11A	**BKG02@2-3'**					
Calcium		115	6.0		mg/l	SW846 6010C
Magnesium		44.3	3.0		mg/l	SW846 6010C
Sodium		362	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		7.27			ratio	USDA HANDBOOK 60
DA73983-11B	**BKG02@2-3'**					
Boron		0.660	0.50		mg/l	SW846 6010C
DA73983-12	**BKG02@3-4'**					
Arsenic		1.8	0.25		mg/kg	SW846 6020B
Barium		56.6	2.5		mg/kg	SW846 6020B
Copper		3.5	2.5		mg/kg	SW846 6020B
Lead		3.5	0.64		mg/kg	SW846 6020B
Nickel		4.6	2.5		mg/kg	SW846 6020B
Zinc		13.7	13		mg/kg	SW846 6020B
pH		7.74			su	WREP-125,4E-SATPASTE
Specific Conductivity		5.1	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA73983-12A	**BKG02@3-4'**					
Calcium		529	6.0		mg/l	SW846 6010C
Magnesium		179	3.0		mg/l	SW846 6010C
Sodium		721	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		6.91			ratio	USDA HANDBOOK 60

Summary of Hits

Job Number: DA73983
Account: Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW
Collected: 07/29/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA73983-12B	**BKG02@3-4'**					
Boron		0.568	0.50		mg/l	SW846 6010C

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

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	PWV01@0-6"		
Lab Sample ID:	DA73983-1	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
Method:	SW846 8260B	**Percent Solids:**	94.0
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4V37566.D	1	08/01/25 05:07	EY	n/a	n/a	V4V1884
Run #2							

	Initial Weight	Final Volume
Run #1	5.00 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	102%		70-130%
2037-26-5	Toluene-D8	93%		70-130%
460-00-4	4-Bromofluorobenzene	91%		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:	PWV01@0-6"		
Lab Sample ID:	DA73983-1	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	94.0
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G58722.D	1	08/05/25 09:53	TH	08/01/25 13:00	OP28182	E3G2852
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	< 0.0039	0.0039	mg/kg	
56-55-3	Benzo(a)anthracene	< 0.0049	0.0049	mg/kg	
205-99-2	Benzo(b)fluoranthene	< 0.0039	0.0039	mg/kg	
207-08-9	Benzo(k)fluoranthene	< 0.0039	0.0039	mg/kg	
50-32-8	Benzo(a)pyrene	< 0.0039	0.0039	mg/kg	
218-01-9	Chrysene [a]	< 0.0039	0.0039	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	< 0.0039	0.0039	mg/kg	
206-44-0	Fluoranthene	< 0.0039	0.0039	mg/kg	
86-73-7	Fluorene	< 0.0039	0.0039	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	< 0.0039	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	< 0.0039	0.0039	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	119%		10-130%
4165-60-0	Nitrobenzene-d5	118%		10-130%
1718-51-0	Terphenyl-d14	113%		10-130%

(a) Associated CCV outside of control limits high, sample was ND.

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:	PWV01@0-6"		
Lab Sample ID:	DA73983-1	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	94.0
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW45701.D	1	07/31/25 11:42	JB	07/31/25 09:00	OP28167	GLW1062
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)	< 4.2	4.2	mg/kg	
	TPH-ORO (> C28-C36)	< 6.4	6.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		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:	PWV01@0-6"		
Lab Sample ID:	DA73983-1	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	94.0
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.1	0.20	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Barium	38.1	2.0	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Cadmium	< 0.099	0.099	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Copper	5.2	2.0	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Lead	3.7	0.49	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Nickel	4.0	2.0	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Selenium	< 0.20	0.20	mg/kg	5	07/31/25	08/23/25	CDL	SW846 6020B [2]	SW846 3050B [3]
Silver	< 0.099	0.099	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Zinc	14.3	9.9	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA19418
(2) Instrument QC Batch: MA19531
(3) Prep QC Batch: MP42140

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PWV01@0-6"		
Lab Sample ID:	DA73983-1	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	94.0
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	94		%	1	07/31/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH	7.86		su	1	08/06/25 10:30	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.28	0.0010	mmhos/cm	1	08/06/25 11:00	SG	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.43	0.43	mg/kg	1	08/08/25 16:57	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PWV01@0-6"		
Lab Sample ID:	DA73983-1A	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	94.0
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	40.6	6.0	mg/l	1	08/07/25	08/11/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	7.12	3.0	mg/l	1	08/07/25	08/11/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	< 6.0	6.0	mg/l	1	08/07/25	08/11/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19460
(2) Prep QC Batch: MP42231

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PWV01@0-6"		
Lab Sample ID:	DA73983-1A	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	94.0
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.0658		ratio	1	08/11/25 22:17	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:	PWV01@0-6"		
Lab Sample ID:	DA73983-1B	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	94.0
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.50	0.50	mg/l	1	07/31/25	08/07/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19446
(2) Prep QC Batch: MP42139

RL = Reporting Limit

Report of Analysis

Client Sample ID:	AST01@0-6"		
Lab Sample ID:	DA73983-2	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
Method:	SW846 8260B	**Percent Solids:**	99.1
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4V37567.D	1	08/01/25 05:30	EY	n/a	n/a	V4V1884
Run #2							

	Initial Weight	Final Volume
Run #1	5.94 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	< 0.00085	0.00085	mg/kg	
100-41-4	Ethylbenzene	< 0.0017	0.0017	mg/kg	
108-88-3	Toluene	< 0.0017	0.0017	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	< 0.0017	0.0017	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	< 0.0017	0.0017	mg/kg	
	m,p-Xylene	< 0.0017	0.0017	mg/kg	
95-47-6	o-Xylene	< 0.0017	0.0017	mg/kg	
1330-20-7	Xylene (total)	< 0.0017	0.0017	mg/kg	
	TPH-GRO (C6-C10)	< 0.17	0.17	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		70-130%
2037-26-5	Toluene-D8	96%		70-130%
460-00-4	4-Bromofluorobenzene	93%		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:	AST01@0-6"		
Lab Sample ID:	DA73983-2	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	99.1
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G58723.D	1	08/05/25 10:19	TH	08/01/25 13:00	OP28182	E3G2852
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	< 0.0038	0.0038	mg/kg	
120-12-7	Anthracene	< 0.0038	0.0038	mg/kg	
56-55-3	Benzo(a)anthracene	< 0.0048	0.0048	mg/kg	
205-99-2	Benzo(b)fluoranthene	< 0.0038	0.0038	mg/kg	
207-08-9	Benzo(k)fluoranthene	< 0.0038	0.0038	mg/kg	
50-32-8	Benzo(a)pyrene	< 0.0038	0.0038	mg/kg	
218-01-9	Chrysene [a]	< 0.0038	0.0038	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	< 0.0038	0.0038	mg/kg	
206-44-0	Fluoranthene	< 0.0038	0.0038	mg/kg	
86-73-7	Fluorene	< 0.0038	0.0038	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	< 0.0038	0.0038	mg/kg	
90-12-0	1-Methylnaphthalene	< 0.0038	0.0038	mg/kg	
91-57-6	2-Methylnaphthalene	< 0.0038	0.0038	mg/kg	
91-20-3	Naphthalene	< 0.0019	0.0019	mg/kg	
129-00-0	Pyrene	< 0.0038	0.0038	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	112%		10-130%
4165-60-0	Nitrobenzene-d5	111%		10-130%
1718-51-0	Terphenyl-d14	110%		10-130%

(a) Associated CCV outside of control limits high, sample was ND.

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

Report of Analysis

Client Sample ID:	AST01@0-6"		
Lab Sample ID:	DA73983-2	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	99.1
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW45702.D	1	07/31/25 11:56	JB	07/31/25 10:00	OP28167	GLW1062
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)	6.80	3.9	mg/kg	
	TPH-ORO (> C28-C36)	126	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		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:	AST01@0-6"		
Lab Sample ID:	DA73983-2	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	99.1
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.3	0.20	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Barium	51.0	2.0	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Cadmium	< 0.10	0.10	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Copper	7.7	2.0	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Lead	4.2	0.50	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Nickel	5.8	2.0	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Selenium	< 0.20	0.20	mg/kg	5	07/31/25	08/23/25	CDL	SW846 6020B [2]	SW846 3050B [3]
Silver	< 0.10	0.10	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Zinc	25.9	10	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA19418
(2) Instrument QC Batch: MA19531
(3) Prep QC Batch: MP42140

RL = Reporting Limit

Report of Analysis

Client Sample ID:	AST01@0-6"		
Lab Sample ID:	DA73983-2	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	99.1
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	99.1		%	1	07/31/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH	7.80		su	1	08/06/25 10:30	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.13	0.0010	mmhos/cm	1	08/06/25 11:00	SG	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.41	0.41	mg/kg	1	08/08/25 17:12	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	AST01@0-6"		
Lab Sample ID:	DA73983-2A	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	99.1
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	967	6.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	567	3.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	508	6.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19456
(2) Prep QC Batch: MP42231

RL = Reporting Limit

Report of Analysis

Client Sample ID:	AST01@0-6"		
Lab Sample ID:	DA73983-2A	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	99.1
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	3.21		ratio	1	08/09/25 02:30	BR	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	AST01@0-6"		
Lab Sample ID:	DA73983-2B	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	99.1
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	0.515	0.50	mg/l	1	07/31/25	08/07/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19446
(2) Prep QC Batch: MP42139

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP01-DL@3'		
Lab Sample ID:	DA73983-3	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
Method:	SW846 8260B	**Percent Solids:**	86.8
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4V37568.D	1	08/01/25 05:53	EY	n/a	n/a	V4V1884
Run #2							

	Initial Weight	Final Volume
Run #1	5.40 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	104%		70-130%
2037-26-5	Toluene-D8	94%		70-130%
460-00-4	4-Bromofluorobenzene	91%		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:	SEP01-DL@3'		
Lab Sample ID:	DA73983-3	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	86.8
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7G002907.D	1	08/05/25 08:33	TH	08/01/25 13:00	OP28185	E7G108
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	< 0.0044	0.0044	mg/kg	
120-12-7	Anthracene	< 0.0044	0.0044	mg/kg	
56-55-3	Benzo(a)anthracene	< 0.0055	0.0055	mg/kg	
205-99-2	Benzo(b)fluoranthene	< 0.0044	0.0044	mg/kg	
207-08-9	Benzo(k)fluoranthene	< 0.0044	0.0044	mg/kg	
50-32-8	Benzo(a)pyrene	< 0.0044	0.0044	mg/kg	
218-01-9	Chrysene	< 0.0044	0.0044	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	< 0.0044	0.0044	mg/kg	
206-44-0	Fluoranthene	< 0.0044	0.0044	mg/kg	
86-73-7	Fluorene	< 0.0044	0.0044	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	< 0.0044	0.0044	mg/kg	
90-12-0	1-Methylnaphthalene	< 0.0044	0.0044	mg/kg	
91-57-6	2-Methylnaphthalene	< 0.0044	0.0044	mg/kg	
91-20-3	Naphthalene	< 0.0022	0.0022	mg/kg	
129-00-0	Pyrene	< 0.0044	0.0044	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	97%		10-130%
4165-60-0	Nitrobenzene-d5	91%		10-130%
1718-51-0	Terphenyl-d14	103%		10-130%

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:	SEP01-DL@3'		
Lab Sample ID:	DA73983-3	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	86.8
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW45703.D	1	07/31/25 12:09	JB	07/31/25 10:00	OP28167	GLW1062
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)	< 4.5	4.5	mg/kg	
	TPH-ORO (> C28-C36)	< 6.8	6.8	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:	SEP01-DL@3'		
Lab Sample ID:	DA73983-3	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	86.8
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.4	0.23	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Barium	41.4	2.3	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Cadmium	0.12	0.11	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Copper	4.3	2.3	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Lead	5.8	0.57	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Nickel	3.8	2.3	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Selenium	< 0.23	0.23	mg/kg	5	07/31/25	08/23/25	CDL	SW846 6020B [2]	SW846 3050B [3]
Silver	< 0.11	0.11	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Zinc	16.1	11	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA19418
(2) Instrument QC Batch: MA19531
(3) Prep QC Batch: MP42140

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP01-DL@3'		
Lab Sample ID:	DA73983-3	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	86.8
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	86.8		%	1	07/31/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH	8.64		su	1	08/06/25 10:30	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	1.8	0.0010	mmhos/cm	1	08/06/25 11:00	SG	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.47	0.47	mg/kg	1	08/08/25 17:28	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP01-DL@3'		
Lab Sample ID:	DA73983-3A	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	86.8
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	1410	6.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	430	3.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	169	6.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19456
(2) Prep QC Batch: MP42231

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP01-DL@3'		
Lab Sample ID:	DA73983-3A	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	86.8
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	1.01		ratio	1	08/09/25 02:33	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:	SEP01-DL@3'		
Lab Sample ID:	DA73983-3B	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	86.8
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.50	0.50	mg/l	1	07/31/25	08/07/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19446
(2) Prep QC Batch: MP42139

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP01-FL@3'		
Lab Sample ID:	DA73983-4	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
Method:	SW846 8260B	**Percent Solids:**	85.0
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4V37569.D	1	08/01/25 06:16	EY	n/a	n/a	V4V1884
Run #2							

	Initial Weight	Final Volume
Run #1	5.13 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	< 0.0011	0.0011	mg/kg	
100-41-4	Ethylbenzene	< 0.0023	0.0023	mg/kg	
108-88-3	Toluene	< 0.0023	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	107%		70-130%
2037-26-5	Toluene-D8	95%		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:	SEP01-FL@3'		
Lab Sample ID:	DA73983-4	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	85.0
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G58725.D	1	08/05/25 11:10	TH	08/01/25 13:00	OP28185	E3G2852
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	< 0.0046	0.0046	mg/kg	
120-12-7	Anthracene	< 0.0046	0.0046	mg/kg	
56-55-3	Benzo(a)anthracene	< 0.0058	0.0058	mg/kg	
205-99-2	Benzo(b)fluoranthene	< 0.0046	0.0046	mg/kg	
207-08-9	Benzo(k)fluoranthene	< 0.0046	0.0046	mg/kg	
50-32-8	Benzo(a)pyrene	< 0.0046	0.0046	mg/kg	
218-01-9	Chrysene [a]	< 0.0046	0.0046	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	< 0.0046	0.0046	mg/kg	
206-44-0	Fluoranthene	< 0.0046	0.0046	mg/kg	
86-73-7	Fluorene	< 0.0046	0.0046	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	< 0.0046	0.0046	mg/kg	
90-12-0	1-Methylnaphthalene	< 0.0046	0.0046	mg/kg	
91-57-6	2-Methylnaphthalene	< 0.0046	0.0046	mg/kg	
91-20-3	Naphthalene	< 0.0023	0.0023	mg/kg	
129-00-0	Pyrene	< 0.0046	0.0046	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	110%		10-130%
4165-60-0	Nitrobenzene-d5	113%		10-130%
1718-51-0	Terphenyl-d14	109%		10-130%

(a) Associated CCV outside of control limits high, sample was ND.

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:	SEP01-FL@3'		
Lab Sample ID:	DA73983-4	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	85.0
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW45706.D	1	07/31/25 12:51	JB	07/31/25 10:00	OP28167	GLW1062
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)	23.2	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	87%		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:	SEP01-FL@3'		
Lab Sample ID:	DA73983-4	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	85.0
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.1	0.23	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Barium	52.2	2.3	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Cadmium	0.16	0.12	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Copper	4.0	2.3	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Lead	4.1	0.58	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Nickel	4.1	2.3	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Selenium	< 0.23	0.23	mg/kg	5	07/31/25	08/23/25	CDL	SW846 6020B [2]	SW846 3050B [3]
Silver	< 0.12	0.12	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Zinc	14.7	12	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA19418
(2) Instrument QC Batch: MA19531
(3) Prep QC Batch: MP42140

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP01-FL@3'		
Lab Sample ID:	DA73983-4	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	85.0
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	85		%	1	07/31/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH	8.53		su	1	08/06/25 10:30	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.36	0.0010	mmhos/cm	1	08/06/25 11:00	SG	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.46	0.46	mg/kg	1	08/08/25 18:04	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP01-FL@3'		
Lab Sample ID:	DA73983-4A	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	85.0
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	570	6.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	219	3.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	95.8	6.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19456
(2) Prep QC Batch: MP42231

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP01-FL@3'		
Lab Sample ID:	DA73983-4A	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	85.0
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.864		ratio	1	08/09/25 02:37	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:	SEP01-FL@3'		
Lab Sample ID:	DA73983-4B	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	85.0
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.50	0.50	mg/l	1	07/31/25	08/07/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19446
(2) Prep QC Batch: MP42139

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@0-1'		
Lab Sample ID:	DA73983-5	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	93.0
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.7	0.21	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Barium	42.9	2.1	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Cadmium	< 0.11	0.11	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Copper	3.6	2.1	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Lead	3.7	0.53	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Nickel	3.5	2.1	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Selenium	< 0.21	0.21	mg/kg	5	07/31/25	08/23/25	CDL	SW846 6020B [2]	SW846 3050B [3]
Silver	< 0.11	0.11	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Zinc	13.0	11	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA19418
(2) Instrument QC Batch: MA19531
(3) Prep QC Batch: MP42140

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@0-1'		
Lab Sample ID:	DA73983-5	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	93.0
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	93		%	1	07/31/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH	7.62		su	1	08/06/25 10:30	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	3.6	0.0010	mmhos/cm	1	08/06/25 11:00	SG	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.43	0.43	mg/kg	1	08/08/25 18:20	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@0-1'		
Lab Sample ID:	DA73983-5A	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	93.0
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	301	6.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	110	3.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	565	6.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19456
(2) Prep QC Batch: MP42231

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@0-1'		
Lab Sample ID:	DA73983-5A	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	93.0
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	7.08		ratio	1	08/09/25 02:40	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:	BKG01@0-1'		
Lab Sample ID:	DA73983-5B	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	93.0
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.50	0.50	mg/l	1	07/31/25	08/07/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19446
(2) Prep QC Batch: MP42139

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@1-2'		
Lab Sample ID:	DA73983-6	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	85.9
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.3	0.23	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Barium	41.8	2.3	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Cadmium	< 0.12	0.12	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Copper	3.7	2.3	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Lead	3.6	0.58	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Nickel	3.9	2.3	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Selenium	< 0.23	0.23	mg/kg	5	07/31/25	08/23/25	CDL	SW846 6020B [2]	SW846 3050B [3]
Silver	< 0.12	0.12	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Zinc	13.6	12	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA19418
(2) Instrument QC Batch: MA19531
(3) Prep QC Batch: MP42140

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@1-2'		
Lab Sample ID:	DA73983-6	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	85.9
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	85.9		%	1	07/31/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH	7.18		su	1	08/06/25 10:30	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	2.5	0.0010	mmhos/cm	1	08/06/25 11:00	SG	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.45	0.45	mg/kg	1	08/08/25 18:36	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@1-2'		
Lab Sample ID:	DA73983-6A	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	85.9
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	186	6.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	74.1	3.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	429	6.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19456
(2) Prep QC Batch: MP42231

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@1-2'		
Lab Sample ID:	DA73983-6A	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	85.9
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	6.73		ratio	1	08/09/25 02:43	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:	BKG01@1-2'		
Lab Sample ID:	DA73983-6B	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	85.9
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.50	0.50	mg/l	1	07/31/25	08/07/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19446
(2) Prep QC Batch: MP42139

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@2-3'		
Lab Sample ID:	DA73983-7	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	86.2
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.5	0.23	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Barium	47.9	2.3	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Cadmium	< 0.12	0.12	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Copper	4.2	2.3	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Lead	4.0	0.58	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Nickel	4.4	2.3	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Selenium	< 0.23	0.23	mg/kg	5	07/31/25	08/23/25	CDL	SW846 6020B [2]	SW846 3050B [3]
Silver	< 0.12	0.12	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Zinc	16.8	12	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA19418
(2) Instrument QC Batch: MA19531
(3) Prep QC Batch: MP42140

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@2-3'		
Lab Sample ID:	DA73983-7	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	86.2
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	86.2		%	1	07/31/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH	7.11		su	1	08/06/25 10:30	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	3.2	0.0010	mmhos/cm	1	08/06/25 11:00	SG	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.47	0.47	mg/kg	1	08/08/25 18:52	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@2-3'		
Lab Sample ID:	DA73983-7A	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	86.2
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	358	6.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	126	3.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	492	6.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19456
(2) Prep QC Batch: MP42231

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@2-3'		
Lab Sample ID:	DA73983-7A	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	86.2
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	5.69		ratio	1	08/09/25 02:46	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:	BKG01@2-3'		
Lab Sample ID:	DA73983-7B	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	86.2
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.50	0.50	mg/l	1	07/31/25	08/07/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19446
(2) Prep QC Batch: MP42139

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@3-4'		
Lab Sample ID:	DA73983-8	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	90.9
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.4	0.21	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Barium	46.0	2.1	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Cadmium	< 0.10	0.10	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Copper	4.2	2.1	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Lead	4.1	0.52	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Nickel	4.5	2.1	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Selenium	< 0.21	0.21	mg/kg	5	07/31/25	08/23/25	CDL	SW846 6020B [2]	SW846 3050B [3]
Silver	< 0.10	0.10	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Zinc	16.0	10	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA19418
(2) Instrument QC Batch: MA19531
(3) Prep QC Batch: MP42140

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@3-4'		
Lab Sample ID:	DA73983-8	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	90.9
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	90.9		%	1	07/31/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH	7.87		su	1	08/06/25 10:30	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	2.3	0.0010	mmhos/cm	1	08/06/25 11:00	SG	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.45	0.45	mg/kg	1	08/08/25 19:08	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@3-4'		
Lab Sample ID:	DA73983-8A	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	90.9
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	146	6.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	58.6	3.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	396	6.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19456
(2) Prep QC Batch: MP42231

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@3-4'		
Lab Sample ID:	DA73983-8A	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	90.9
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	7.00		ratio	1	08/09/25 02:49	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:	BKG01@3-4'		
Lab Sample ID:	DA73983-8B	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	90.9
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.50	0.50	mg/l	1	07/31/25	08/07/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19446
(2) Prep QC Batch: MP42139

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@0-1'		
Lab Sample ID:	DA73983-9	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	96.5
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.5	0.19	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Barium	43.1	1.9	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Cadmium	< 0.097	0.097	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Copper	4.1	1.9	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Lead	4.5	0.48	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Nickel	5.0	1.9	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Selenium	< 0.19	0.19	mg/kg	5	07/31/25	08/23/25	CDL	SW846 6020B [2]	SW846 3050B [3]
Silver	< 0.097	0.097	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]
Zinc	15.0	9.7	mg/kg	10	07/31/25	07/31/25	GS	SW846 6020B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA19418
(2) Instrument QC Batch: MA19531
(3) Prep QC Batch: MP42140

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@0-1'		
Lab Sample ID:	DA73983-9	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	96.5
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	96.5		%	1	07/31/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH	7.29		su	1	08/06/25 10:30	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.37	0.0010	mmhos/cm	1	08/06/25 11:00	SG	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.40	0.40	mg/kg	1	08/08/25 19:23	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@0-1'		
Lab Sample ID:	DA73983-9A	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	96.5
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	29.2	6.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	13.5	3.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	12.2	6.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19456
(2) Prep QC Batch: MP42231

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@0-1'		
Lab Sample ID:	DA73983-9A	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	96.5
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.468		ratio	1	08/09/25 02:52	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:	BKG02@0-1'		
Lab Sample ID:	DA73983-9B	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	96.5
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.50	0.50	mg/l	1	07/31/25	08/07/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19446
(2) Prep QC Batch: MP42139

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@1-2'		
Lab Sample ID:	DA73983-10	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	91.0
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.3	0.22	mg/kg	10	07/31/25	08/01/25	GS	SW846 6020B [1]	SW846 3050B [3]
Barium	66.8	2.2	mg/kg	10	07/31/25	08/01/25	GS	SW846 6020B [1]	SW846 3050B [3]
Cadmium	< 0.11	0.11	mg/kg	10	07/31/25	08/01/25	GS	SW846 6020B [1]	SW846 3050B [3]
Copper	5.5	2.2	mg/kg	10	07/31/25	08/01/25	GS	SW846 6020B [1]	SW846 3050B [3]
Lead	6.1	0.55	mg/kg	10	07/31/25	08/01/25	GS	SW846 6020B [1]	SW846 3050B [3]
Nickel	6.6	2.2	mg/kg	10	07/31/25	08/01/25	GS	SW846 6020B [1]	SW846 3050B [3]
Selenium	< 0.22	0.22	mg/kg	5	07/31/25	08/23/25	CDL	SW846 6020B [2]	SW846 3050B [3]
Silver	< 0.11	0.11	mg/kg	10	07/31/25	08/01/25	GS	SW846 6020B [1]	SW846 3050B [3]
Zinc	24.6	11	mg/kg	10	07/31/25	08/01/25	GS	SW846 6020B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA19418
(2) Instrument QC Batch: MA19531
(3) Prep QC Batch: MP42140

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@1-2'		
Lab Sample ID:	DA73983-10	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	91.0
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	91		%	1	07/31/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH	7.48		su	1	08/06/25 13:00	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	2.5	0.0010	mmhos/cm	1	08/06/25 13:00	SG	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.45	0.45	mg/kg	1	08/08/25 19:47	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@1-2'		
Lab Sample ID:	DA73983-10A	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	91.0
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	164	6.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	62.6	3.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	375	6.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19456
(2) Prep QC Batch: MP42231

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@1-2'		
Lab Sample ID:	DA73983-10A	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	91.0
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	6.32		ratio	1	08/09/25 02:55	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:	BKG02@1-2'		
Lab Sample ID:	DA73983-10B	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	91.0
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	0.593	0.50	mg/l	1	07/31/25	08/07/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19446
(2) Prep QC Batch: MP42139

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@2-3'		
Lab Sample ID:	DA73983-11	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	92.4
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.0	0.21	mg/kg	10	07/31/25	08/01/25	GS	SW846 6020B [1]	SW846 3050B [3]
Barium	62.7	2.1	mg/kg	10	07/31/25	08/01/25	GS	SW846 6020B [1]	SW846 3050B [3]
Cadmium	< 0.11	0.11	mg/kg	10	07/31/25	08/01/25	GS	SW846 6020B [1]	SW846 3050B [3]
Copper	5.2	2.1	mg/kg	10	07/31/25	08/01/25	GS	SW846 6020B [1]	SW846 3050B [3]
Lead	5.7	0.54	mg/kg	10	07/31/25	08/01/25	GS	SW846 6020B [1]	SW846 3050B [3]
Nickel	6.8	2.1	mg/kg	10	07/31/25	08/01/25	GS	SW846 6020B [1]	SW846 3050B [3]
Selenium	< 0.21	0.21	mg/kg	5	07/31/25	08/23/25	CDL	SW846 6020B [2]	SW846 3050B [3]
Silver	< 0.11	0.11	mg/kg	10	07/31/25	08/01/25	GS	SW846 6020B [1]	SW846 3050B [3]
Zinc	23.0	11	mg/kg	10	07/31/25	08/01/25	GS	SW846 6020B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA19418
(2) Instrument QC Batch: MA19531
(3) Prep QC Batch: MP42140

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@2-3'		
Lab Sample ID:	DA73983-11	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	92.4
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	92.4		%	1	07/31/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH	7.25		su	1	08/06/25 13:00	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	2.0	0.0010	mmhos/cm	1	08/06/25 13:00	SG	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.43	0.43	mg/kg	1	08/08/25 13:36	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@2-3'		
Lab Sample ID:	DA73983-11A	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	92.4
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	115	6.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	44.3	3.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	362	6.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19456
(2) Prep QC Batch: MP42231

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@2-3'		
Lab Sample ID:	DA73983-11A	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	92.4
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	7.27		ratio	1	08/09/25 03:04	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:	BKG02@2-3'		
Lab Sample ID:	DA73983-11B	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	92.4
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	0.660	0.50	mg/l	1	07/31/25	08/07/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19446
(2) Prep QC Batch: MP42139

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@3-4'		
Lab Sample ID:	DA73983-12	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	74.0
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.8	0.25	mg/kg	10	07/31/25	08/01/25	GS	SW846 6020B [1]	SW846 3050B [3]
Barium	56.6	2.5	mg/kg	10	07/31/25	08/01/25	GS	SW846 6020B [1]	SW846 3050B [3]
Cadmium	< 0.13	0.13	mg/kg	10	07/31/25	08/01/25	GS	SW846 6020B [1]	SW846 3050B [3]
Copper	3.5	2.5	mg/kg	10	07/31/25	08/01/25	GS	SW846 6020B [1]	SW846 3050B [3]
Lead	3.5	0.64	mg/kg	10	07/31/25	08/01/25	GS	SW846 6020B [1]	SW846 3050B [3]
Nickel	4.6	2.5	mg/kg	10	07/31/25	08/01/25	GS	SW846 6020B [1]	SW846 3050B [3]
Selenium	< 0.25	0.25	mg/kg	5	07/31/25	08/23/25	CDL	SW846 6020B [2]	SW846 3050B [3]
Silver	< 0.13	0.13	mg/kg	10	07/31/25	08/01/25	GS	SW846 6020B [1]	SW846 3050B [3]
Zinc	13.7	13	mg/kg	10	07/31/25	08/01/25	GS	SW846 6020B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA19418
(2) Instrument QC Batch: MA19531
(3) Prep QC Batch: MP42140

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@3-4'		
Lab Sample ID:	DA73983-12	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	74.0
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	74		%	1	07/31/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH	7.74		su	1	08/06/25 13:00	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	5.1	0.0010	mmhos/cm	1	08/06/25 13:00	SG	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.54	0.54	mg/kg	1	08/08/25 13:52	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@3-4'		
Lab Sample ID:	DA73983-12A	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	74.0
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	529	6.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	179	3.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	721	6.0	mg/l	1	08/07/25	08/09/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19456
(2) Prep QC Batch: MP42231

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@3-4'		
Lab Sample ID:	DA73983-12A	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	74.0
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	6.91		ratio	1	08/09/25 03:07	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:	BKG02@3-4'		
Lab Sample ID:	DA73983-12B	**Date Sampled:**	07/29/25
Matrix:	SO - Soil	**Date Received:**	07/29/25
		Percent Solids:	74.0
Project:	TASMCOA: Ritchey H-63N65W 27NWNW		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	0.568	0.50	mg/l	1	07/31/25	08/07/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19446
(2) Prep QC Batch: MP42139

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 # DA 73983

Client / Reporting Information

Company: Tasman, Inc.
Street: 4725 Independence Street
City, State ZIP: Wheat Ridge, CO 80033
Project Contact: AJ Engelhardt
Phone: (303) 808-3515
Email: Tas-Chevron-3@tasman-geo.com & RBJUEUF27@chevron.com
Sampler(s) Name(s): Connor Konigsberg

Project Information

Project Name: RITCHEY H-63N65W 27 NWNW
Check Box if Project Report to Division of Oil and Public Safety (OPS): ☐
Street:
City, State ZIP:
Project #: 10649
Client Purchase Order #:
Project Manager: AJ Engelhardt

Billing Information (if different from Report to)

Company: Noble
Street Address:
City, State ZIP:
Attention: Dan Peterson

Requested Analysis (see TEST CODE sheet)

Field ID / Point of Collection	Date	Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: NONE	HCl	NaOH	HNO3	H2SO4	DI Water	MeOH	ENCORE	Na2S2O3	Na2SO3	915-VOC	915-PAH	915-TPH	pH, EC, SAR	Boron	*915-Metals	LAB USE ONLY
PWV01@0-6"	7/29/25	0829	CK	SO	4	X										X	X	X	X	X	X	
AST01@0-6"		0929			4											X	X	X				
SEP01-DL@3'		1106			4											X	X	X				
SEP01-FL@3'		1131			4											X	X	X				
BKG01@0-1'		1301			2																	
BKG01@1-2'		1305																				
BKG01@2-3'		1306																				
BKG01@3-4'		1307																				
BKG02@0-1'		1321																				
BKG02@1-2'		1322																				
BKG02@2-3'		1323																				
BKG02@3-4'		1324																				

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

*915-Metals: Arsenic, Barium, Cadmium, Chromium (VI), Copper, Lead, Nickel, Selenium, Silver and Zinc

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: 7/29/25 1450	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): 3.7 Therm. ID: 776 On Ice ☑

SGS Sample Receipt Summary

Job Number: da73983 **Client:** TASMAN **Project:** RITCHEY H-63N65W 27NWNW

Date / Time Received: 7/29/2025 2:50:00 PM **Delivery Method:** hd **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (3.7);

Cooler Temps (Corrected) °C: Cooler 1: (3.7);

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

Test Strip Lot #s: pH 0-3: pH 10-12:

Residual Chlorine Test Strip Lot

Number of Lab Filtered Metals

Other: (Specify)

Comments

SM001
Rev. Date 05/04/17

Technician: JEREMYD Date: 7/29/2025 2:53:49 PM Reviewer: Date:

DA73983: Chain of Custody
Page 2 of 3

Job Change Order: DA73983

Requested Date:	7/30/2025	**Received Date:**	7/29/2025
Account Name:	Chevron USA, Inc.	**Due Date:**	7/30/2025
Project Description:	TASMCOA: Ritchey H-63N65W 27NWNW	**Deliverable:**	COMMB
C/O Initiated By:	P_ESKAND **PM:** PP	**TAT (Days):**	1

==========

Sample #: DA73983- **Dept:**

Client ID: **TAT:**

Change: Please add PO# UWRWE-A4341-AES.

Above Changes Per: Ryan Yavinsky **Date/Time:** 7/30/2025

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

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4.1

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DA73983: Chain of Custody
Page 3 of 3

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: DA73983
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4V1884-MB	4V37558.D	1	08/01/25	EY	n/a	n/a	V4V1884

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

DA73983-1, DA73983-2, DA73983-3, DA73983-4

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	102%	70-130%
2037-26-5	Toluene-D8	93%	70-130%
460-00-4	4-Bromofluorobenzene	88%	70-130%
17060-07-0	1,2-Dichloroethane-D4	102%	70-130%

Blank Spike Summary

Job Number: DA73983
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4V1884-BS	4V37556.D	1	08/01/25	EY	n/a	n/a	V4V1884

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

DA73983-1, DA73983-2, DA73983-3, DA73983-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	48.6	97	70-130
100-41-4	Ethylbenzene	50	49.0	98	70-130
108-88-3	Toluene	50	46.9	94	70-130
95-63-6	1,2,4-Trimethylbenzene	50	50.2	100	70-130
108-67-8	1,3,5-Trimethylbenzene	50	50.3	101	70-130
	m,p-Xylene	100	96.8	97	70-130
95-47-6	o-Xylene	50	53.8	108	70-130
1330-20-7	Xylene (total)	150	151	101	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	70-130%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	109%	70-130%
17060-07-0	1,2-Dichloroethane-D4	102%	70-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA73983
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4V1884-BS	4V37557.D	1	08/01/25	EY	n/a	n/a	V4V1884

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

DA73983-1, DA73983-2, DA73983-3, DA73983-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
	TPH-GRO (C6-C10)	2000	1970	99	50-200

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	70-130%
2037-26-5	Toluene-D8	95%	70-130%
460-00-4	4-Bromofluorobenzene	93%	70-130%
17060-07-0	1,2-Dichloroethane-D4	100%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA73983
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA74019-7MS	4V37561.D	1	08/01/25	EY	n/a	n/a	V4V1884
DA74019-7MSD	4V37562.D	1	08/01/25	EY	n/a	n/a	V4V1884
DA74019-7	4V37559.D	1	08/01/25	EY	n/a	n/a	V4V1884

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

DA73983-1, DA73983-2, DA73983-3, DA73983-4

CAS No.	Compound	DA74019-7 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		58.2	52.3	90	59.4	53.3	90	2	43-130/30
100-41-4	Ethylbenzene	ND		58.2	50.6	87	59.4	54.0	91	7	15-145/30
108-88-3	Toluene	ND		58.2	49.0	84	59.4	51.4	87	5	37-130/30
95-63-6	1,2,4-Trimethylbenzene	ND		58.2	51.8	89	59.4	54.4	92	5	5-177/30
108-67-8	1,3,5-Trimethylbenzene	ND		58.2	52.9	91	59.4	55.6	94	5	6-159/30
	m,p-Xylene	ND		116	101	87	119	107	90	6	21-142/30
95-47-6	o-Xylene	ND		58.2	56.3	97	59.4	59.6	100	6	25-140/30
1330-20-7	Xylene (total)	ND		175	157	90	178	167	94	6	17-142/30

CAS No.	Surrogate Recoveries	MS	MSD	DA74019-7	Limits
1868-53-7	Dibromofluoromethane	106%	104%	105%	70-130%
2037-26-5	Toluene-D8	96%	98%	94%	70-130%
460-00-4	4-Bromofluorobenzene	105%	105%	90%	70-130%
17060-07-0	1,2-Dichloroethane-D4	108%	104%	109%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA73983
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA74019-8MS	4V37563.D	1	08/01/25	EY	n/a	n/a	V4V1884
DA74019-8MSD	4V37564.D	1	08/01/25	EY	n/a	n/a	V4V1884
DA74019-8	4V37560.D	1	08/01/25	EY	n/a	n/a	V4V1884

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

DA73983-1, DA73983-2, DA73983-3, DA73983-4

CAS No.	Compound	DA74019-8 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		2410	1980	82	2360	1990	84	1	5-200/30

CAS No.	Surrogate Recoveries	MS	MSD	DA74019-8	Limits
1868-53-7	Dibromofluoromethane	104%	102%	107%	70-130%
2037-26-5	Toluene-D8	95%	95%	93%	70-130%
460-00-4	4-Bromofluorobenzene	93%	93%	92%	70-130%
17060-07-0	1,2-Dichloroethane-D4	104%	103%	106%	70-130%

* = Outside of Control Limits.

MS Semi-volatiles

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QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: DA73983
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28182-MB	7G002877.D	1	08/04/25	TH	08/01/25	OP28182	E7G107

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

DA73983-1, DA73983-2

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	89%	10-130%
4165-60-0	Nitrobenzene-d5	69%	10-130%
1718-51-0	Terphenyl-d14	105%	10-130%

Method Blank Summary

Job Number: DA73983
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28185-MB	7G002902.D	1	08/05/25	TH	08/01/25	OP28185	E7G108

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

DA73983-3, DA73983-4

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	74%	10-130%
4165-60-0	Nitrobenzene-d5	49%	10-130%
1718-51-0	Terphenyl-d14	104%	10-130%

Blank Spike Summary

Job Number: DA73983
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28182-BS	7G002878.D	1	08/04/25	TH	08/01/25	OP28182	E7G107

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

DA73983-1, DA73983-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
83-32-9	Acenaphthene	200	183	92	31-130
120-12-7	Anthracene	200	180	90	46-134
56-55-3	Benzo(a)anthracene	200	172	86	52-135
205-99-2	Benzo(b)fluoranthene	200	210	105	50-136
207-08-9	Benzo(k)fluoranthene	200	205	103	52-134
50-32-8	Benzo(a)pyrene	200	196	98	50-130
218-01-9	Chrysene	200	189	95	51-131
53-70-3	Dibenzo(a,h)anthracene	200	183	92	49-136
206-44-0	Fluoranthene	200	189	95	51-137
86-73-7	Fluorene	200	178	89	38-130
193-39-5	Indeno(1,2,3-cd)pyrene	200	192	96	50-139
90-12-0	1-Methylnaphthalene	200	168	84	18-130
91-57-6	2-Methylnaphthalene	200	166	83	16-130
91-20-3	Naphthalene	200	175	88	5-130
129-00-0	Pyrene	200	197	99	48-136

CAS No.	Surrogate Recoveries	BSP	Limits
321-60-8	2-Fluorobiphenyl	93%	10-130%
4165-60-0	Nitrobenzene-d5	80%	10-130%
1718-51-0	Terphenyl-d14	99%	10-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA73983
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28185-BS	7G002903.D	1	08/05/25	TH	08/01/25	OP28185	E7G108

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

DA73983-3, DA73983-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
83-32-9	Acenaphthene	200	219	110	31-130
120-12-7	Anthracene	200	218	109	46-134
56-55-3	Benzo(a)anthracene	200	204	102	52-135
205-99-2	Benzo(b)fluoranthene	200	249	125	50-136
207-08-9	Benzo(k)fluoranthene	200	236	118	52-134
50-32-8	Benzo(a)pyrene	200	231	116	50-130
218-01-9	Chrysene	200	228	114	51-131
53-70-3	Dibenzo(a,h)anthracene	200	221	111	49-136
206-44-0	Fluoranthene	200	225	113	51-137
86-73-7	Fluorene	200	212	106	38-130
193-39-5	Indeno(1,2,3-cd)pyrene	200	225	113	50-139
90-12-0	1-Methylnaphthalene	200	193	97	18-130
91-57-6	2-Methylnaphthalene	200	187	94	16-130
91-20-3	Naphthalene	200	193	97	5-130
129-00-0	Pyrene	200	240	120	48-136

CAS No.	Surrogate Recoveries	BSP	Limits
321-60-8	2-Fluorobiphenyl	107%	10-130%
4165-60-0	Nitrobenzene-d5	93%	10-130%
1718-51-0	Terphenyl-d14	119%	10-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA73983
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28182-MS	7G002879.D	1	08/04/25	TH	08/01/25	OP28182	E7G107
OP28182-MSD	7G002880.D	1	08/04/25	TH	08/01/25	OP28182	E7G107
DA73971-13	7G002896.D	1	08/05/25	TH	08/01/25	OP28182	E7G107

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

DA73983-1, DA73983-2

CAS No.	Compound	DA73971-13 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	< 4.0		203	200	99	211	199	94	1	12-130/52
120-12-7	Anthracene	< 4.0		203	199	96	211	195	91	2	31-130/60
56-55-3	Benzo(a)anthracene	< 5.0		203	196	95	211	190	88	3	34-130/60
205-99-2	Benzo(b)fluoranthene	< 4.0		203	241	118	211	226	106	6	10-168/60
207-08-9	Benzo(k)fluoranthene	< 4.0		203	249	123	211	234	111	6	30-130/60
50-32-8	Benzo(a)pyrene	< 4.0		203	240	117	211	223	105	7	10-179/60
218-01-9	Chrysene	< 4.0		203	215	104	211	203	95	6	34-130/60
53-70-3	Dibenzo(a,h)anthracene	< 4.0		203	229	112	211	214	100	7	20-138/60
206-44-0	Fluoranthene	< 4.0		203	216	104	211	208	96	4	32-130/60
86-73-7	Fluorene	< 4.0		203	194	96	211	191	91	2	20-130/60
193-39-5	Indeno(1,2,3-cd)pyrene	< 4.0		203	236	115	211	220	103	7	17-148/60
90-12-0	1-Methylnaphthalene	< 4.0		203	191	94	211	184	87	4	10-130/41
91-57-6	2-Methylnaphthalene	< 4.0		203	185	91	211	174	83	6	14-130/40
91-20-3	Naphthalene	< 2.0		203	196	97	211	183	87	7	10-130/40
129-00-0	Pyrene	< 4.0		203	229	111	211	217	101	5	31-130/60

CAS No.	Surrogate Recoveries	MS	MSD	DA73971-13	Limits
321-60-8	2-Fluorobiphenyl	107%	96%	101%	10-130%
4165-60-0	Nitrobenzene-d5	101%	89%	99%	10-130%
1718-51-0	Terphenyl-d14	106%	97%	101%	10-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA73983
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28185-MS	7G002904.D	1	08/05/25	TH	08/01/25	OP28185	E7G108
OP28185-MSD	7G002905.D	1	08/05/25	TH	08/01/25	OP28185	E7G108
DA73988-1	7G002921.D	1	08/05/25	TH	08/01/25	OP28185	E7G108

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

DA73983-3, DA73983-4

CAS No.	Compound	DA73988-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		204	225	110	204	230	113	2	12-130/52
120-12-7	Anthracene	ND		204	214	103	204	228	110	6	31-130/60
56-55-3	Benzo(a)anthracene	ND		204	207	99	204	223	107	7	34-130/60
205-99-2	Benzo(b)fluoranthene	ND		204	349	168	204	301	145	15	10-168/60
207-08-9	Benzo(k)fluoranthene	ND		204	328	158* [a]	204	331	160* [a]	1	30-130/60
50-32-8	Benzo(a)pyrene	ND		204	302	146	204	293	142	3	10-179/60
218-01-9	Chrysene	ND		204	228	109	204	249	119	9	34-130/60
53-70-3	Dibenzo(a,h)anthracene	ND		204	251	121	204	270	130	7	20-138/60
206-44-0	Fluoranthene	ND		204	221	106	204	238	114	7	32-130/60
86-73-7	Fluorene	ND		204	212	104	204	228	112	7	20-130/60
193-39-5	Indeno(1,2,3-cd)pyrene	ND		204	256	123	204	281	135	9	17-148/60
90-12-0	1-Methylnaphthalene	ND		204	202	99	204	202	99	0	10-130/41
91-57-6	2-Methylnaphthalene	ND		204	198	97	204	198	97	0	14-130/40
91-20-3	Naphthalene	ND		204	215	105	204	212	104	1	10-130/40
129-00-0	Pyrene	ND		204	242	116	204	266	128	9	31-130/60

CAS No.	Surrogate Recoveries	MS	MSD	DA73988-1	Limits
321-60-8	2-Fluorobiphenyl	118%	111%	112%	10-130%
4165-60-0	Nitrobenzene-d5	109%	102%	103%	10-130%
1718-51-0	Terphenyl-d14	117%	124%	115%	10-130%

(a) Outside control limits biased high. Sample result is non-detect.

* = 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: DA73983
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28167-MB	LW45691.D	1	07/31/25	JB	07/31/25	OP28167	GLW1062

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

DA73983-1, DA73983-2, DA73983-3, DA73983-4

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	77%	20-142%

Blank Spike Summary

Job Number: DA73983
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28167-BS	LW45692.D	1	07/31/25	JB	07/31/25	OP28167	GLW1062

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

DA73983-1, DA73983-2, DA73983-3, DA73983-4

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	200	144	72	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	69%	20-142%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA73983
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28167-BS2	LW45693.D	1	07/31/25	JB	07/31/25	OP28167	GLW1062

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

DA73983-1, DA73983-2, DA73983-3, DA73983-4

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-ORO (> C28-C36)	200	164	82	70-138

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	75%	20-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA73983
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28167-MS1	LW45694.D	1	07/31/25	JB	07/31/25	OP28167	GLW1062
OP28167-MSD1	LW45695.D	1	07/31/25	JB	07/31/25	OP28167	GLW1062
DA73981-13	LW45698.D	1	07/31/25	JB	07/31/25	OP28167	GLW1062

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

DA73983-1, DA73983-2, DA73983-3, DA73983-4

CAS No.	Compound	DA73981-13 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		229	169	69	232	173	70	2	59-130/30

CAS No.	Surrogate Recoveries	MS	MSD	DA73981-13	Limits
84-15-1	o-Terphenyl	73%	76%	88%	20-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA73983
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28167-MS2	LW45696.D	1	07/31/25	JB	07/31/25	OP28167	GLW1062
OP28167-MSD2	LW45697.D	1	07/31/25	JB	07/31/25	OP28167	GLW1062
DA73981-14	LW45699.D	1	07/31/25	JB	07/31/25	OP28167	GLW1062

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

DA73983-1, DA73983-2, DA73983-3, DA73983-4

CAS No.	Compound	DA73981-14 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)	< 8.4		277	226	81	280	238	85	5	70-153/30

CAS No.	Surrogate Recoveries	MS	MSD	DA73981-14	Limits
84-15-1	o-Terphenyl	65%	67%	60%	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: DA73983
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

QC Batch ID: MP42139
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/31/25

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	1.5	<250
Cadmium	50	1.1	6.5		
Calcium	2000	28	250		
Chromium	50	3.4	6.5		
Cobalt	25	4.1	3.2		
Copper	50	2.5	6.5		
Iron	350	9.3	60		
Lead	250	21	32		
Lithium	25	10	6.5		
Magnesium	1000	35	130		
Manganese	25	.85	3.2		
Molybdenum	50	13	14		
Nickel	150	5.7	19		
Phosphorus	500	58	80		
Potassium	5000	180	630		
Selenium	250	46	110		
Silicon	1000	210	750		
Silver	150	2.8	19		
Sodium	2000	43	250		
Strontium	25	.5	3.2		
Thallium	50	30	22		
Tin	300	17	260		
Titanium	50	2.2	6.5		
Uranium	250	57	43		
Vanadium	50	5.2	6.5		
Zinc	150	3.4	19		

Associated samples MP42139: DA73983-1B, DA73983-2B, DA73983-3B, DA73983-4B, DA73983-5B, DA73983-6B, DA73983-7B, DA73983-8B, DA73983-9B, DA73983-10B, DA73983-11B, DA73983-12B

Results < IDL are shown as zero for calculation purposes

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA73983
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

QC Batch ID: MP42139
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/31/25

Metal	RL	IDL	MDL	MB raw	final

(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA73983
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

QC Batch ID: MP42139
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			07/31/25					07/31/25	
Metal	DA73986-5B Original	DUP	RPD	QC Limits	DA73986-5B Original	MS	Spikelot ICPALL6	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Boron	255	255	0.0	0-20	255	10300	10000	100.5	75-125
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Lithium									
Magnesium									
Manganese									
Molybdenum									
Nickel									
Phosphorus									
Potassium									
Selenium									
Silicon									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Uranium									
Vanadium									
Zinc									

Associated samples MP42139: DA73983-1B, DA73983-2B, DA73983-3B, DA73983-4B, DA73983-5B, DA73983-6B, DA73983-7B, DA73983-8B, DA73983-9B, DA73983-10B, DA73983-11B, DA73983-12B

Results < IDL are shown as zero for calculation purposes

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA73983
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

QC Batch ID: MP42139
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:		07/31/25				07/31/25	
Metal	DA73986-5B Original DUP	RPD	QC Limits	DA73986-5B Original MS	Spikelot ICPALL6	% Rec	QC Limits

(*) 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: DA73983
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

QC Batch ID: MP42139 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 07/31/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	9400	10000	94.0	80-120
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP42139: DA73983-1B, DA73983-2B, DA73983-3B, DA73983-4B, DA73983-5B, DA73983-6B, DA73983-7B, DA73983-8B, DA73983-9B, DA73983-10B, DA73983-11B, DA73983-12B

Results < IDL are shown as zero for calculation purposes

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA73983
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

QC Batch ID: MP42139
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/31/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits

(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA73983
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

QC Batch ID: MP42139
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/31/25

Metal	DA73986-5B Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	50.9	48.8	4.1	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 MP42139: DA73983-1B, DA73983-2B, DA73983-3B, DA73983-4B, DA73983-5B, DA73983-6B, DA73983-7B, DA73983-8B, DA73983-9B, DA73983-10B, DA73983-11B, DA73983-12B

Results < IDL are shown as zero for calculation purposes

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA73983
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

QC Batch ID: MP42139
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/31/25

Metal	DA73986-5B Original	SDL 1:5	%DIF	QC Limits

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA73983
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

QC Batch ID: MP42140 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 07/31/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	25	.1	2.5		
Antimony	0.20	.0027	.025		
Arsenic	0.10	.004	.025	0.035	<0.20
Barium	1.0	.048	.12	0.033	<2.0
Beryllium	0.10	.015	.02		
Boron	20	8.2	5		
Cadmium	0.050	.015	.02	0.0042	<0.10
Calcium	200	.13	15		
Chromium	1.0	.038	.3		
Cobalt	0.10	.0016	.013		
Copper	1.0	.025	.13	0.085	<2.0
Iron	10	.069	7.5		
Lead	0.25	.0078	.1	0.015	<0.50
Magnesium	50	.12	5		
Manganese	0.50	.0099	.1		
Molybdenum	0.50	.0029	.14		
Nickel	1.0	.029	.1	0.038	<2.0
Phosphorus	30	3.8	13		
Potassium	100	1	13		
Selenium	0.20	.0096	.025	0.024	<0.20
Silver	0.050	.001	.015	0.0024	<0.10
Sodium	250	1.2	15		
Strontium	10	.0047	.5		
Thallium	0.10	.0028	.02		
Tin	5.0	.027	2		
Titanium	1.0	.0065	.15		
Uranium	0.10	.001	.05		
Vanadium	0.50	.035	.1		
Zinc	5.0	.025	.5	0.21	<10

Associated samples MP42140: DA73983-1, DA73983-2, DA73983-3, DA73983-4, DA73983-5, DA73983-6, DA73983-7, DA73983-8, DA73983-9, DA73983-10, DA73983-11, DA73983-12

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: DA73983
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

QC Batch ID: MP42140 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 07/31/25

Metal	DA73981-15 Original	MS	Spikelot ICPMS6	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	4.1	108	115	90.6	75-125
Barium	172	410	229	103.8	75-125
Beryllium					
Boron					
Cadmium	0.20	58.7	57.3	102.0	75-125
Calcium					
Chromium					
Cobalt					
Copper	9.7	61.1	57.3	90.2	75-125
Iron					
Lead	8.9	127	115	103.0	75-125
Magnesium					
Manganese					
Molybdenum					
Nickel	9.4	60.2	57.3	89.6	75-125
Phosphorus					
Potassium					
Selenium	0.39	99.3	115	86.3	75-125
Silver	0.034	23.1	22.9	100.6	75-125
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc	28.5	83.2	57.3	95.4	75-125

Associated samples MP42140: DA73983-1, DA73983-2, DA73983-3, DA73983-4, DA73983-5, DA73983-6, DA73983-7, DA73983-8, DA73983-9, DA73983-10, DA73983-11, DA73983-12

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: DA73983
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

QC Batch ID: MP42140 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 07/31/25

Metal	DA73981-15 Original	MSD	Spikelot ICPMS6	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	4.1	120	118	98.2	10.5	20
Barium	172	531	236	152.1N(a	25.7 (b)	20
Beryllium						
Boron						
Cadmium	0.20	64.6	59	109.2	9.6	20
Calcium						
Chromium						
Cobalt						
Copper	9.7	67.5	59	98.5	10.0	20
Iron						
Lead	8.9	140	118	111.1	9.7	20
Magnesium						
Manganese						
Molybdenum						
Nickel	9.4	66.7	59	98.2	10.2	20
Phosphorus						
Potassium						
Selenium	0.39	109	118	92.1	9.3	20
Silver	0.034	25.2	23.6	106.7	8.7	20
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc	28.5	91.3	59	106.5	9.3	20

Associated samples MP42140: DA73983-1, DA73983-2, DA73983-3, DA73983-4, DA73983-5, DA73983-6, DA73983-7, DA73983-8, DA73983-9, DA73983-10, DA73983-11, DA73983-12

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA73983
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

QC Batch ID: MP42140 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 07/31/25

	DA73981-15	Spikelot		MSD	QC
Metal	Original MSD	ICPMS6	% Rec	RPD	Limit

(b) High RPD due to possible sample matrix or nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA73983
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

QC Batch ID: MP42140
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 07/31/25

Metal	BSP Result	Spikelot ICPMS6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	102	100	102.0	80-120
Barium	196	200	98.0	80-120
Beryllium				
Boron				
Cadmium	51.5	50	103.0	80-120
Calcium				
Chromium				
Cobalt				
Copper	50.7	50	101.4	80-120
Iron				
Lead	103	100	103.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel	50.6	50	101.2	80-120
Phosphorus				
Potassium				
Selenium	96.0	100	96.0	80-120
Silver	20.4	20	102.0	80-120
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	49.7	50	99.4	80-120

Associated samples MP42140: DA73983-1, DA73983-2, DA73983-3, DA73983-4, DA73983-5, DA73983-6, DA73983-7, DA73983-8, DA73983-9, DA73983-10, DA73983-11, DA73983-12

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA73983
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

QC Batch ID: MP42140
Matrix Type: SOLID

Methods: SW846 6020B
Units: ug/l

Prep Date: 07/31/25

Metal	DA73981-15 Original	SDL 5:25	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	33.6	37.4	11.3	0-20
Barium	1410	1440	2.2	0-20
Beryllium				
Boron				
Cadmium	1.63	1.54	4.7	0-20
Calcium				
Chromium				
Cobalt				
Copper	79.5	87.4	12.9	0-20
Iron				
Lead	73.3	72.9	0.5	0-20
Magnesium				
Manganese				
Molybdenum				
Nickel	77.6	79.8	9.8	0-20
Phosphorus				
Potassium				
Selenium	3.22	3.04	5.7	0-20
Silver	0.278	0.285	2.5	0-20
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	235	263	11.9	0-20

Associated samples MP42140: DA73983-1, DA73983-2, DA73983-3, DA73983-4, DA73983-5, DA73983-6, DA73983-7, DA73983-8, DA73983-9, DA73983-10, DA73983-11, DA73983-12

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA73983
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

QC Batch ID: MP42231
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/07/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	1500	690	230		
Antimony	450	210	100		
Arsenic	380	330	69		
Barium	150	4.5	20		
Beryllium	150	15	20		
Boron	750	50	95		
Cadmium	150	29	20		
Calcium	6000	99	750	43.5	<6000
Chromium	150	17	20		
Cobalt	75	41	9.5		
Copper	150	69	20		
Iron	1100	130	180		
Lead	750	200	95		
Lithium	75	9	20		
Magnesium	3000	740	380	24.0	<3000
Manganese	75	7.5	9.5		
Molybdenum	150	130	42		
Nickel	450	93	57		
Phosphorus	1500	1400	240		
Potassium	15000	1300	1900		
Selenium	750	450	320		
Silicon	3000	620	2300		
Silver	450	9	57		
Sodium	6000	190	750	915	<6000
Strontium	75	1.5	9.5		
Thallium	150	260	65		
Tin	900	620	770		
Titanium	150	7.5	20		
Uranium	750	59	130		
Vanadium	150	14	20		
Zinc	450	140	57		

Associated samples MP42231: DA73983-1A, DA73983-2A, DA73983-3A, DA73983-4A, DA73983-5A, DA73983-6A, DA73983-7A, DA73983-8A, DA73983-9A, DA73983-10A, DA73983-11A, DA73983-12A

Results < IDL are shown as zero for calculation purposes

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA73983
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

QC Batch ID: MP42231
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/07/25

Metal	RL	IDL	MDL	MB raw	final

(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA73983
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

QC Batch ID: MP42231 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/07/25

Metal	DA73986-4A Original	MS	Spikelot ICPALL6	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium	418000	845000	375000	109.3	75-125
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Lithium					
Magnesium	172000	572000	375000	106.7	75-125
Manganese					
Molybdenum					
Nickel					
Phosphorus					
Potassium					
Selenium					
Silicon					
Silver					
Sodium	154000	576000	375000	112.5	75-125
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc					

Associated samples MP42231: DA73983-1A, DA73983-2A, DA73983-3A, DA73983-4A, DA73983-5A, DA73983-6A, DA73983-7A, DA73983-8A, DA73983-9A, DA73983-10A, DA73983-11A, DA73983-12A

Results < IDL are shown as zero for calculation purposes

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA73983
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

QC Batch ID: MP42231 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/07/25

Metal	DA73986-4A Original MS	Spikelot ICPALL6	% Rec	QC Limits

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA73983
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

QC Batch ID: MP42231 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/07/25

Metal	DA73986-4A Original	MSD	Spikelot ICPALL6	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium	418000	872000	375000	116.5	3.1	20
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Lithium						
Magnesium	172000	589000	375000	111.2	2.9	20
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium						
Silicon						
Silver						
Sodium	154000	589000	375000	116.0	2.2	20
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc						

Associated samples MP42231: DA73983-1A, DA73983-2A, DA73983-3A, DA73983-4A, DA73983-5A, DA73983-6A, DA73983-7A, DA73983-8A, DA73983-9A, DA73983-10A, DA73983-11A, DA73983-12A

Results < IDL are shown as zero for calculation purposes

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA73983
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

QC Batch ID: MP42231 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/07/25

Metal	DA73986-4A Original MSD	Spikelot ICPALL6 % Rec	MSD RPD	QC Limit

(*) 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: DA73983
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

QC Batch ID: MP42231 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/07/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	394000	375000	105.1	80-120
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	385000	375000	102.7	80-120
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	409000	375000	109.1	80-120
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP42231: DA73983-1A, DA73983-2A, DA73983-3A, DA73983-4A, DA73983-5A, DA73983-6A, DA73983-7A, DA73983-8A, DA73983-9A, DA73983-10A, DA73983-11A, DA73983-12A

Results < IDL are shown as zero for calculation purposes

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA73983
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

QC Batch ID: MP42231
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/07/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits

(*) Outside of 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: DA73983
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Specific Conductivity	GP39157/GN68299			mmhos/cm	1.409	1.4	100.1	90-110%
Specific Conductivity	GP39158/GN68300			mmhos/cm	1.409	1.4	101.7	90-110%

Associated Samples:
Batch GP39157: DA73983-10, DA73983-11, DA73983-12
Batch GP39158: DA73983-1, DA73983-2, DA73983-3, DA73983-4, DA73983-5, DA73983-6, DA73983-7, DA73983-8, DA73983-9
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA73983
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey H-63N65W 27NWNW

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GP39157/GN68299	DA73988-5	mmhos/cm	0.33	0.33	0.6	0-20%
Specific Conductivity	GP39158/GN68300	DA73983-9	mmhos/cm	0.37	0.36	1.1	0-20%
pH	GN68286	DA73991-21	su	7.76	7.81	0.6	0-5%
pH	GN68286	DA73991-21	su	7.76	7.81	0.6	0-5%
pH	GN68290	DA73983-10	su	7.48	7.49	0.1	0-5%

Associated Samples:
Batch GN68286: DA73983-1, DA73983-2, DA73983-3, DA73983-4, DA73983-5, DA73983-6, DA73983-7, DA73983-8, DA73983-9
Batch GN68290: DA73983-10, DA73983-11, DA73983-12
Batch GP39157: DA73983-10, DA73983-11, DA73983-12
Batch GP39158: DA73983-1, DA73983-2, DA73983-3, DA73983-4, DA73983-5, DA73983-6, DA73983-7, DA73983-8, DA73983-9
(*) Outside of QC limits

Misc. Forms

Custody Documents and Other Forms

(SGS Dayton, NJ)

Includes the following where applicable:

- Chain of Custody

SGS

So

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 #:
Bottle Order Control #:
SGS Quote #:
SGS Job #: DA73983

Client / Reporting Information

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

Project Information

Project Name: TASMCOA: Ritchey H-63N65W 27NWNW
Street:
City / State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City / State / Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

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

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	XCRA7199	LAB USE ONLY
1	PWV01@0-6"		7/29/25	8:29:00 AM	CK	SO										X	
2	AST01@0-6"		7/29/25	9:29:00 AM	CK	SO										X	
3	SEP01-DL@3'		7/29/25	11:06:00 AM	CK	SO										X	
4	SEP01-FL@3'		7/29/25	11:31:00 AM	CK	SO										X	
5	BKG01@0-1'		7/29/25	1:04:00 PM	CK	SO										X	
6	BKG01@1-2'		7/29/25	1:05:00 PM	CK	SO										X	
7	BKG01@2-3'		7/29/25	1:06:00 PM	CK	SO										X	
8	BKG01@3-4'		7/29/25	1:07:00 PM	CK	SO										X	
9	BKG02@0-1'		7/29/25	1:21:00 PM	CK	SO										X	
10	BKG02@1-2'		7/29/25	1:22:00 PM	CK	SO										X	
11	BKG02@2-3'		7/29/25	1:23:00 PM	CK	SO										X	
12	BKG02@3-4'		7/29/25	1:24:00 PM	CK	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 8/7/2025

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

1-4 4070
Initial Assessment 28-Jul
Label Verification
5-12 290

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		1 fedex	2 fedex	7/31/25 9:40	2
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by:	Date Time:	Received By:	Custody Seal #	Intact / Not intact	Preserved where applicable / Therm. ID:	On Ice	Cooler Temp.
5		5				✓	2.9 3.8 3.1 2.6

10.1 10

DA73983: Chain of Custody
Page 1 of 2
SGS Dayton, NJ

SGS Sample Receipt Summary

Job Number: DA73983 **Client:** SGS NORTH AMERICA INC. **Project:** TASMCOA: RITCHEY H-63N65W 27NWN

Date / Time Received: 7/31/2025 9:40:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (2.9); Cooler 2: (3.8); Cooler 3: (3.1); Cooler 4: (2.6);

Cooler Temps (Corrected) °C: Cooler 1: (2.9); Cooler 2: (3.8); Cooler 3: (3.1); Cooler 4: (2.6);

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:	4		

Quality Control Preservatio	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

DA73983: 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: DA73983
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA: Ritchey H-63N65W 27NWNW

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chromium, Hexavalent	GP63052/GN71956	0.40	0.0	mg/kg	40	40.1	100.3	80-120%
Chromium, Hexavalent	GP63052/GN71956			mg/kg	1010	974	96.2	80-120%
Chromium, Hexavalent	GP63054/GN71960	0.40	0.0	mg/kg	40	39.6	99.0	80-120%
Chromium, Hexavalent	GP63054/GN71960			mg/kg	696	640	92.0	80-120%

Associated Samples:
Batch GP63052: DA73983-1, DA73983-2, DA73983-3, DA73983-4, DA73983-5, DA73983-6, DA73983-7, DA73983-8, DA73983-9, DA73983-10
Batch GP63054: DA73983-11, DA73983-12
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA73983
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA: Ritchey H-63N65W 27NWNW

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chromium, Hexavalent	GP63052/GN71956	DA73981-6	mg/kg	0.0	0.0	0.0	0-20%
Chromium, Hexavalent	GP63054/GN71960	DA73986-6	mg/kg	0.0	0.0	0.0	0-20%

Associated Samples:
Batch GP63052: DA73983-1, DA73983-2, DA73983-3, DA73983-4, DA73983-5, DA73983-6, DA73983-7, DA73983-8, DA73983-9, DA73983-10
Batch GP63054: DA73983-11, DA73983-12
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA73983
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA: Ritchey H-63N65W 27NWNW

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chromium, Hexavalent	GP63052/GN71956	DA73981-6	mg/kg	0.0	47	50.8	108.0(a)	75-125%
Chromium, Hexavalent	GP63052/GN71956	DA73981-6	mg/kg	0.0	1240	1130	91.3(b)	75-125%
Chromium, Hexavalent	GP63054/GN71960	DA73986-6	mg/kg	0.0	45.2	37.3	82.5(c)	75-125%
Chromium, Hexavalent	GP63054/GN71960	DA73986-6	mg/kg	0.0	821	748	91.1(b)	75-125%

Associated Samples:
Batch GP63052: DA73983-1, DA73983-2, DA73983-3, DA73983-4, DA73983-5, DA73983-6, DA73983-7, DA73983-8, DA73983-9, DA73983-10
Batch GP63054: DA73983-11, DA73983-12
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Good recovery on soluble XCR matrix spike. Good recovery (99.6 %) on the post-spike.
(b) Good recovery on insoluble XCR matrix spike. See additional comments on soluble matrix spike recovery.
(c) Good recovery on soluble XCR matrix spike. Good recovery (103 %) on the post-spike.