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: Herbster F35-27

3035

SGS Job Number: DA72466

Sampling Date: 05/20/25

Report to:

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

ATTN: Karen Olson

Total number of pages in report: **282**

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)

July 28, 2025

Jason Davidson
Chevron U.S.A. Inc.
2115 117th Avenue
Greeley, CO 80634

Subject: Report Reissue for SGS Job: DA72466

Dear Jason Davidson,

This revised report includes an updated sample ID for DA72466-7. 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

Table of Contents

Table of Contents

Table of Contents

SGS North America Inc.

Sample Summary

Chevron USA, Inc.

Job No: DA72466

TASMCOA: Herbster F35-27
Project No: 3035

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies:							
Organics ND = Not detected above the MDL							
DA72466-1	05/20/25	11:35	WS	05/20/25	SO	Soil	SB01@0.5-1.5'
DA72466-1A	05/20/25	11:35	WS	05/20/25	SO	Soil	SB01@0.5-1.5'
DA72466-1B	05/20/25	11:35	WS	05/20/25	SO	Soil	SB01@0.5-1.5'
DA72466-2	05/20/25	11:37	WS	05/20/25	SO	Soil	SB01@1.5-2.5'
DA72466-2A	05/20/25	11:37	WS	05/20/25	SO	Soil	SB01@1.5-2.5'
DA72466-2B	05/20/25	11:37	WS	05/20/25	SO	Soil	SB01@1.5-2.5'
DA72466-3	05/20/25	12:00	WS	05/20/25	SO	Soil	SB02@5-6'
DA72466-3A	05/20/25	12:00	WS	05/20/25	SO	Soil	SB02@5-6'
DA72466-3B	05/20/25	12:00	WS	05/20/25	SO	Soil	SB02@5-6'
DA72466-4	05/20/25	12:02	WS	05/20/25	SO	Soil	SB02@6-7'
DA72466-4A	05/20/25	12:02	WS	05/20/25	SO	Soil	SB02@6-7'
DA72466-4B	05/20/25	12:02	WS	05/20/25	SO	Soil	SB02@6-7'

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

Sample Summary
(continued)

Chevron USA, Inc.

Job No: DA72466

TASMCOA: Herbster F35-27
Project No: 3035

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
DA72466-5	05/20/25	11:45	WS	05/20/25	SO	Soil	SB03@2-3'
DA72466-5A	05/20/25	11:45	WS	05/20/25	SO	Soil	SB03@2-3'
DA72466-5B	05/20/25	11:45	WS	05/20/25	SO	Soil	SB03@2-3'
DA72466-6	05/20/25	13:20	WS	05/20/25	SO	Soil	SB04@0.5-1.5'
DA72466-6A	05/20/25	13:20	WS	05/20/25	SO	Soil	SB04@0.5-1.5'
DA72466-6B	05/20/25	13:20	WS	05/20/25	SO	Soil	SB04@0.5-1.5'
DA72466-7	05/20/25	13:22	WS	05/20/25	SO	Soil	SB04@5-6'
DA72466-7A	05/20/25	13:22	WS	05/20/25	SO	Soil	SB04@5-6'
DA72466-7B	05/20/25	13:22	WS	05/20/25	SO	Soil	SB04@5-6'
DA72466-8	05/20/25	12:15	WS	05/20/25	SO	Soil	SB05@0.5-1.5'
DA72466-8A	05/20/25	12:15	WS	05/20/25	SO	Soil	SB05@0.5-1.5'
DA72466-8B	05/20/25	12:15	WS	05/20/25	SO	Soil	SB05@0.5-1.5'
DA72466-9	05/20/25	12:17	WS	05/20/25	SO	Soil	SB05@5-6'

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

Sample Summary
(continued)

Chevron USA, Inc.

Job No: DA72466

TASMCOA: Herbster F35-27
Project No: 3035

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
DA72466-9A	05/20/25	12:17	WS	05/20/25	SO	Soil	SB05@5-6'
DA72466-9B	05/20/25	12:17	WS	05/20/25	SO	Soil	SB05@5-6'
DA72466-10	05/20/25	12:25	WS	05/20/25	SO	Soil	SB06@0.5-1.5'
DA72466-10A	05/20/25	12:25	WS	05/20/25	SO	Soil	SB06@0.5-1.5'
DA72466-10B	05/20/25	12:25	WS	05/20/25	SO	Soil	SB06@0.5-1.5'
DA72466-11	05/20/25	12:27	WS	05/20/25	SO	Soil	SB06@5-6'
DA72466-11A	05/20/25	12:27	WS	05/20/25	SO	Soil	SB06@5-6'
DA72466-11B	05/20/25	12:27	WS	05/20/25	SO	Soil	SB06@5-6'
DA72466-12	05/20/25	14:00	WS	05/20/25	SO	Soil	SB07@0.5-1.5'
DA72466-12A	05/20/25	14:00	WS	05/20/25	SO	Soil	SB07@0.5-1.5'
DA72466-12B	05/20/25	14:00	WS	05/20/25	SO	Soil	SB07@0.5-1.5'
DA72466-13	05/20/25	11:30	WS	05/20/25	SO	Soil	SB08@2.5-3.5
DA72466-13A	05/20/25	11:30	WS	05/20/25	SO	Soil	SB08@2.5-3.5

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

Sample Summary
(continued)

Chevron USA, Inc.

Job No: DA72466

TASMCOA: Herbster F35-27
Project No: 3035

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
DA72466-13B	05/20/25	11:30	WS	05/20/25	SO	Soil	SB08@2.5-3.5
DA72466-14	05/20/25	11:32	WS	05/20/25	SO	Soil	SB08@3.5-4.5
DA72466-14A	05/20/25	11:32	WS	05/20/25	SO	Soil	SB08@3.5-4.5
DA72466-14B	05/20/25	11:32	WS	05/20/25	SO	Soil	SB08@3.5-4.5
DA72466-15	05/20/25	10:45	WS	05/20/25	SO	Soil	SB09@2.5-3.5'
DA72466-15A	05/20/25	10:45	WS	05/20/25	SO	Soil	SB09@2.5-3.5'
DA72466-15B	05/20/25	10:45	WS	05/20/25	SO	Soil	SB09@2.5-3.5'
DA72466-16	05/20/25	10:47	WS	05/20/25	SO	Soil	SB09@4.5-5.5'
DA72466-16A	05/20/25	10:47	WS	05/20/25	SO	Soil	SB09@4.5-5.5'
DA72466-16B	05/20/25	10:47	WS	05/20/25	SO	Soil	SB09@4.5-5.5'
DA72466-17	05/20/25	11:20	WS	05/20/25	SO	Soil	SB10@2.5-3.5'
DA72466-17A	05/20/25	11:20	WS	05/20/25	SO	Soil	SB10@2.5-3.5'
DA72466-17B	05/20/25	11:20	WS	05/20/25	SO	Soil	SB10@2.5-3.5'

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

Sample Summary
(continued)

Chevron USA, Inc.

Job No: DA72466

TASMCOA: Herbster F35-27
Project No: 3035

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
DA72466-18	05/20/25	11:40	WS	05/20/25	SO	Soil	SB11@2.5-3.5'
DA72466-18A	05/20/25	11:40	WS	05/20/25	SO	Soil	SB11@2.5-3.5'
DA72466-18B	05/20/25	11:40	WS	05/20/25	SO	Soil	SB11@2.5-3.5'
DA72466-19	05/20/25	10:55	WS	05/20/25	SO	Soil	SB12@2.5-3.5'
DA72466-19A	05/20/25	10:55	WS	05/20/25	SO	Soil	SB12@2.5-3.5'
DA72466-19B	05/20/25	10:55	WS	05/20/25	SO	Soil	SB12@2.5-3.5'
DA72466-20	05/20/25	11:10	WS	05/20/25	SO	Soil	SB13@2.5-3.5'
DA72466-20A	05/20/25	11:10	WS	05/20/25	SO	Soil	SB13@2.5-3.5'
DA72466-20B	05/20/25	11:10	WS	05/20/25	SO	Soil	SB13@2.5-3.5'
DA72466-21	05/20/25	14:02	WS	05/20/25	SO	Soil	SB07@5-6'
DA72466-21A	05/20/25	14:02	WS	05/20/25	SO	Soil	SB07@5-6'
DA72466-21B	05/20/25	14:02	WS	05/20/25	SO	Soil	SB07@5-6'

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

Summary of Hits

Job Number: DA72466
Account: Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27
Collected: 05/20/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA72466-1	**SB01@0.5-1.5'**					
Arsenic		2.9	0.11		mg/kg	SW846 6020B
Barium		98.8	1.1		mg/kg	SW846 6020B
Cadmium		0.20	0.054		mg/kg	SW846 6020B
Copper		9.9	1.1		mg/kg	SW846 6020B
Lead		8.8	0.27		mg/kg	SW846 6020B
Nickel		8.0	1.1		mg/kg	SW846 6020B
Selenium		0.22	0.22		mg/kg	SW846 6020B
Zinc		38.0	5.4		mg/kg	SW846 6020B
pH		8.09			su	WREP-125,4E-SATPASTE
Specific Conductivity		1.6	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72466-1A	**SB01@0.5-1.5'**					
Calcium		54.9	4.0		mg/l	SW846 6010C
Magnesium		27.0	2.0		mg/l	SW846 6010C
Sodium		95.4	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		2.63			ratio	USDA HANDBOOK 60
DA72466-1B	**SB01@0.5-1.5'**					
Boron		0.583	0.50		mg/l	SW846 6010C
DA72466-2	**SB01@1.5-2.5'**					
Arsenic		4.0	0.10		mg/kg	SW846 6020B
Barium		60.8	1.0		mg/kg	SW846 6020B
Cadmium		0.074	0.050		mg/kg	SW846 6020B
Copper		4.8	1.0		mg/kg	SW846 6020B
Lead		5.9	0.25		mg/kg	SW846 6020B
Nickel		4.7	1.0		mg/kg	SW846 6020B
Zinc		18.9	5.0		mg/kg	SW846 6020B
pH		8.16			su	WREP-125,4E-SATPASTE
Specific Conductivity		1.1	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72466-2A	**SB01@1.5-2.5'**					
Calcium		47.3	4.0		mg/l	SW846 6010C
Magnesium		25.0	2.0		mg/l	SW846 6010C
Sodium		93.7	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		2.74			ratio	USDA HANDBOOK 60

Summary of Hits

Job Number: DA72466
Account: Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27
Collected: 05/20/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA72466-2B	**SB01@1.5-2.5'**					
No hits reported in this sample.						
DA72466-3	**SB02@5-6'**					
TPH-ORO (> C28-C36)		55.6	6.8	5.6	mg/kg	SW846-8015C
Arsenic		4.0	0.20		mg/kg	SW846 6020B
Barium		222	2.0		mg/kg	SW846 6020B
Cadmium		0.17	0.099		mg/kg	SW846 6020B
Copper		10.6	2.0		mg/kg	SW846 6020B
Lead		9.6	0.50		mg/kg	SW846 6020B
Nickel		10.5	2.0		mg/kg	SW846 6020B
Zinc		40.6	9.9		mg/kg	SW846 6020B
pH		8.48			su	WREP-125,4E-SATPASTE
Specific Conductivity		1.2	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72466-3A	**SB02@5-6'**					
Calcium		36.3	4.0		mg/l	SW846 6010C
Magnesium		22.4	2.0		mg/l	SW846 6010C
Sodium		137	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		4.41			ratio	USDA HANDBOOK 60
DA72466-3B	**SB02@5-6'**					
Boron		0.520	0.50		mg/l	SW846 6010C
DA72466-4	**SB02@6-7'**					
Arsenic		1.3	0.099		mg/kg	SW846 6020B
Barium		34.4	0.99		mg/kg	SW846 6020B
Cadmium		0.056	0.050		mg/kg	SW846 6020B
Copper		5.2	0.99		mg/kg	SW846 6020B
Lead		4.8	0.25		mg/kg	SW846 6020B
Nickel		4.1	0.99		mg/kg	SW846 6020B
Zinc		18.5	5.0		mg/kg	SW846 6020B
pH		8.53			su	WREP-125,4E-SATPASTE
Specific Conductivity		1.2	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72466-4A	**SB02@6-7'**					
Calcium		25.2	4.0		mg/l	SW846 6010C
Magnesium		13.4	2.0		mg/l	SW846 6010C
Sodium		153	4.0		mg/l	SW846 6010C

Summary of Hits

Job Number: DA72466
Account: Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27
Collected: 05/20/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Sodium Adsorption Ratio [a]		6.13			ratio	USDA HANDBOOK 60
DA72466-4B	**SB02@6-7'**					
No hits reported in this sample.						
DA72466-5	**SB03@2-3'**					
Arsenic		3.1	0.12		mg/kg	SW846 6020B
Barium		106	1.2		mg/kg	SW846 6020B
Cadmium		0.11	0.058		mg/kg	SW846 6020B
Copper		6.4	1.2		mg/kg	SW846 6020B
Lead		6.6	0.29		mg/kg	SW846 6020B
Nickel		6.9	1.2		mg/kg	SW846 6020B
Zinc		25.5	5.8		mg/kg	SW846 6020B
pH		7.93			su	WREP-125,4E-SATPASTE
Specific Conductivity		4.1	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72466-5A	**SB03@2-3'**					
Calcium		303	4.0		mg/l	SW846 6010C
Magnesium		151	2.0		mg/l	SW846 6010C
Sodium		402	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		4.71			ratio	USDA HANDBOOK 60
DA72466-5B	**SB03@2-3'**					
No hits reported in this sample.						
DA72466-6	**SB04@0.5-1.5'**					
Arsenic		3.9	0.12		mg/kg	SW846 6020B
Barium		152	1.2		mg/kg	SW846 6020B
Cadmium		0.15	0.059		mg/kg	SW846 6020B
Copper		8.0	1.2		mg/kg	SW846 6020B
Lead		8.4	0.29		mg/kg	SW846 6020B
Nickel		9.4	1.2		mg/kg	SW846 6020B
Zinc		34.7	5.9		mg/kg	SW846 6020B
pH		8.29			su	WREP-125,4E-SATPASTE
Specific Conductivity		1.4	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72466-6A	**SB04@0.5-1.5'**					
Calcium		63.4	4.0		mg/l	SW846 6010C
Magnesium		32.8	2.0		mg/l	SW846 6010C

Summary of Hits

Job Number: DA72466
Account: Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27
Collected: 05/20/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Sodium		158	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		4.01			ratio	USDA HANDBOOK 60
DA72466-6B	**SB04@0.5-1.5'**					
No hits reported in this sample.						
DA72466-7	**SB04@5-6'**					
Arsenic		3.4	0.11		mg/kg	SW846 6020B
Barium		141	1.1		mg/kg	SW846 6020B
Cadmium		0.12	0.054		mg/kg	SW846 6020B
Copper		9.5	1.1		mg/kg	SW846 6020B
Lead		9.1	0.27		mg/kg	SW846 6020B
Nickel		10.2	1.1		mg/kg	SW846 6020B
Zinc		36.1	5.4		mg/kg	SW846 6020B
pH		8.53			su	WREP-125,4E-SATPASTE
Specific Conductivity		1.3	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72466-7A	**SB04@5-6'**					
Calcium		33.6	4.0		mg/l	SW846 6010C
Magnesium		18.8	2.0		mg/l	SW846 6010C
Sodium		185	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		6.34			ratio	USDA HANDBOOK 60
DA72466-7B	**SB04@5-6'**					
No hits reported in this sample.						
DA72466-8	**SB05@0.5-1.5'**					
Arsenic		3.0	0.12		mg/kg	SW846 6020B
Barium		116	1.2		mg/kg	SW846 6020B
Cadmium		0.15	0.058		mg/kg	SW846 6020B
Copper		8.7	1.2		mg/kg	SW846 6020B
Lead		8.5	0.29		mg/kg	SW846 6020B
Nickel		8.9	1.2		mg/kg	SW846 6020B
Zinc		36.8	5.8		mg/kg	SW846 6020B
pH		8.52			su	WREP-125,4E-SATPASTE
Specific Conductivity		1.0	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72466-8A	**SB05@0.5-1.5'**					
Calcium		33.1	4.0		mg/l	SW846 6010C

Summary of Hits

Job Number: DA72466
Account: Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27
Collected: 05/20/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Magnesium		18.9	2.0		mg/l	SW846 6010C
Sodium		124	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		4.26			ratio	USDA HANDBOOK 60
DA72466-8B	**SB05@0.5-1.5'**					
No hits reported in this sample.						
DA72466-9	**SB05@5-6'**					
Arsenic		0.93	0.11		mg/kg	SW846 6020B
Barium		79.3	1.1		mg/kg	SW846 6020B
Copper		3.3	1.1		mg/kg	SW846 6020B
Lead		3.5	0.26		mg/kg	SW846 6020B
Nickel		3.0	1.1		mg/kg	SW846 6020B
Zinc		13.5	5.3		mg/kg	SW846 6020B
pH		8.40			su	WREP-125,4E-SATPASTE
Specific Conductivity		1.2	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72466-9A	**SB05@5-6'**					
Calcium		35.9	4.0		mg/l	SW846 6010C
Magnesium		23.8	2.0		mg/l	SW846 6010C
Sodium		131	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		4.16			ratio	USDA HANDBOOK 60
DA72466-9B	**SB05@5-6'**					
No hits reported in this sample.						
DA72466-10	**SB06@0.5-1.5'**					
Arsenic		2.9	0.11		mg/kg	SW846 6020B
Barium		109	1.1		mg/kg	SW846 6020B
Cadmium		0.31	0.057		mg/kg	SW846 6020B
Copper		13.9	1.1		mg/kg	SW846 6020B
Lead		12.9	0.28		mg/kg	SW846 6020B
Nickel		10.1	1.1		mg/kg	SW846 6020B
Selenium		0.34	0.23		mg/kg	SW846 6020B
Silver		0.059	0.057		mg/kg	SW846 6020B
Zinc		54.1	5.7		mg/kg	SW846 6020B
pH		8.44			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.64	0.0010		mmhos/cm	SM 2510B-2011 MOD

Summary of Hits

Job Number: DA72466
Account: Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27
Collected: 05/20/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA72466-10A	**SB06@0.5-1.5'**					
Calcium		25.8	4.0		mg/l	SW846 6010C
Magnesium		13.7	2.0		mg/l	SW846 6010C
Sodium		71.5	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		2.83			ratio	USDA HANDBOOK 60
DA72466-10B	**SB06@0.5-1.5'**					
Boron		0.985	0.50		mg/l	SW846 6010C
DA72466-11	**SB06@5-6'**					
Arsenic		3.6	0.10		mg/kg	SW846 6020B
Barium		157	1.0		mg/kg	SW846 6020B
Cadmium		0.15	0.051		mg/kg	SW846 6020B
Copper		9.2	1.0		mg/kg	SW846 6020B
Lead		8.4	0.25		mg/kg	SW846 6020B
Nickel		8.4	1.0		mg/kg	SW846 6020B
Selenium		0.20	0.20		mg/kg	SW846 6020B
Zinc		33.9	5.1		mg/kg	SW846 6020B
pH		7.88			su	WREP-125,4E-SATPASTE
Specific Conductivity		1.5	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72466-11A	**SB06@5-6'**					
Calcium		55.4	4.0		mg/l	SW846 6010C
Magnesium		34.8	2.0		mg/l	SW846 6010C
Sodium		188	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		4.88			ratio	USDA HANDBOOK 60
DA72466-11B	**SB06@5-6'**					
No hits reported in this sample.						
DA72466-12	**SB07@0.5-1.5'**					
Arsenic		2.0	0.095		mg/kg	SW846 6020B
Barium		57.4	0.95		mg/kg	SW846 6020B
Cadmium		0.10	0.047		mg/kg	SW846 6020B
Copper		6.4	0.95		mg/kg	SW846 6020B
Lead		5.9	0.24		mg/kg	SW846 6020B
Nickel		5.4	0.95		mg/kg	SW846 6020B
Zinc		24.4	4.7		mg/kg	SW846 6020B
pH		7.95			su	WREP-125,4E-SATPASTE

Summary of Hits

Job Number: DA72466
Account: Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27
Collected: 05/20/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Specific Conductivity		0.95	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72466-12A	**SB07@0.5-1.5'**					
Calcium		35.9	4.0		mg/l	SW846 6010C
Magnesium		18.0	2.0		mg/l	SW846 6010C
Sodium		95.8	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		3.26			ratio	USDA HANDBOOK 60
DA72466-12B	**SB07@0.5-1.5'**					
No hits reported in this sample.						
DA72466-13	**SB08@2.5-3.5**					
Arsenic		2.3	0.11		mg/kg	SW846 6020B
Barium		63.2	1.1		mg/kg	SW846 6020B
Cadmium		0.096	0.056		mg/kg	SW846 6020B
Copper		6.6	1.1		mg/kg	SW846 6020B
Lead		6.1	0.28		mg/kg	SW846 6020B
Nickel		5.6	1.1		mg/kg	SW846 6020B
Zinc		21.8	5.6		mg/kg	SW846 6020B
pH		8.58			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.97	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72466-13A	**SB08@2.5-3.5**					
Calcium		25.6	4.0		mg/l	SW846 6010C
Magnesium		16.3	2.0		mg/l	SW846 6010C
Sodium		119	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		4.52			ratio	USDA HANDBOOK 60
DA72466-13B	**SB08@2.5-3.5**					
No hits reported in this sample.						
DA72466-14	**SB08@3.5-4.5**					
Arsenic		3.5	0.12		mg/kg	SW846 6020B
Barium		97.5	1.2		mg/kg	SW846 6020B
Cadmium		0.12	0.058		mg/kg	SW846 6020B
Copper		7.5	1.2		mg/kg	SW846 6020B
Lead		7.2	0.29		mg/kg	SW846 6020B
Nickel		7.5	1.2		mg/kg	SW846 6020B
Zinc		28.3	5.8		mg/kg	SW846 6020B

Summary of Hits

Job Number: DA72466
Account: Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27
Collected: 05/20/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
pH		8.63			su	WREP-125,4E-SATPASTE
Specific Conductivity		1.3	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72466-14A	**SB08@3.5-4.5**					
Calcium		29.2	4.0		mg/l	SW846 6010C
Magnesium		24.7	2.0		mg/l	SW846 6010C
Sodium		177	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		5.83			ratio	USDA HANDBOOK 60
DA72466-14B	**SB08@3.5-4.5**					
No hits reported in this sample.						
DA72466-15	**SB09@2.5-3.5'**					
Fluoranthene		0.0029 J	0.0047	0.0023	mg/kg	SW846 8270E
Pyrene		0.0024 J	0.0047	0.0023	mg/kg	SW846 8270E
Arsenic		2.7	0.11		mg/kg	SW846 6020B
Barium		100	1.1		mg/kg	SW846 6020B
Cadmium		0.25	0.056		mg/kg	SW846 6020B
Copper		12.3	1.1		mg/kg	SW846 6020B
Lead		13.6	0.28		mg/kg	SW846 6020B
Nickel		10.3	1.1		mg/kg	SW846 6020B
Selenium		0.26	0.23		mg/kg	SW846 6020B
Silver		0.062	0.056		mg/kg	SW846 6020B
Zinc		49.7	5.6		mg/kg	SW846 6020B
pH		8.02			su	WREP-125,4E-SATPASTE
Specific Conductivity		3.9	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72466-15A	**SB09@2.5-3.5'**					
Calcium		155	4.0		mg/l	SW846 6010C
Magnesium		109	2.0		mg/l	SW846 6010C
Sodium		462	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		6.95			ratio	USDA HANDBOOK 60
DA72466-15B	**SB09@2.5-3.5'**					
Boron		0.695	0.50		mg/l	SW846 6010C
DA72466-16	**SB09@4.5-5.5'**					
Arsenic		0.78	0.10		mg/kg	SW846 6020B
Barium		15.9	1.0		mg/kg	SW846 6020B

Summary of Hits

Job Number: DA72466
Account: Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27
Collected: 05/20/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Copper		1.6	1.0		mg/kg	SW846 6020B
Lead		2.5	0.25		mg/kg	SW846 6020B
Nickel		1.6	1.0		mg/kg	SW846 6020B
Zinc		8.3	5.1		mg/kg	SW846 6020B
pH		8.39			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.84	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72466-16A	**SB09@4.5-5.5'**					
Calcium		29.7	4.0		mg/l	SW846 6010C
Magnesium		31.7	2.0		mg/l	SW846 6010C
Sodium		98.0	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		2.98			ratio	USDA HANDBOOK 60
DA72466-16B	**SB09@4.5-5.5'**					
No hits reported in this sample.						
DA72466-17	**SB10@2.5-3.5'**					
Arsenic		3.1	0.12		mg/kg	SW846 6020B
Barium		111	1.2		mg/kg	SW846 6020B
Cadmium		0.28	0.061		mg/kg	SW846 6020B
Copper		13.0	1.2		mg/kg	SW846 6020B
Lead		12.4	0.31		mg/kg	SW846 6020B
Nickel		10.3	1.2		mg/kg	SW846 6020B
Selenium		0.39	0.25		mg/kg	SW846 6020B
Zinc		52.5	6.1		mg/kg	SW846 6020B
pH		7.79			su	WREP-125,4E-SATPASTE
Specific Conductivity		3.9	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72466-17A	**SB10@2.5-3.5'**					
Calcium		129	4.0		mg/l	SW846 6010C
Magnesium		97.0	2.0		mg/l	SW846 6010C
Sodium		476	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		7.71			ratio	USDA HANDBOOK 60
DA72466-17B	**SB10@2.5-3.5'**					
Boron		1.02	0.50		mg/l	SW846 6010C
DA72466-18	**SB11@2.5-3.5'**					
TPH-ORO (> C28-C36)		9.27	6.2	5.2	mg/kg	SW846-8015C

Summary of Hits

Job Number: DA72466
Account: Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27
Collected: 05/20/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Arsenic		1.0	0.11		mg/kg	SW846 6020B
Barium		24.6	1.1		mg/kg	SW846 6020B
Copper		2.5	1.1		mg/kg	SW846 6020B
Lead		3.9	0.28		mg/kg	SW846 6020B
Nickel		2.8	1.1		mg/kg	SW846 6020B
Zinc		12.3	5.6		mg/kg	SW846 6020B
pH		8.03			su	WREP-125,4E-SATPASTE
Specific Conductivity		1.9	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72466-18A	**SB11@2.5-3.5'**					
Calcium		65.8	4.0		mg/l	SW846 6010C
Magnesium		40.3	2.0		mg/l	SW846 6010C
Sodium		218	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		5.22			ratio	USDA HANDBOOK 60
DA72466-18B	**SB11@2.5-3.5'**					
No hits reported in this sample.						
DA72466-19	**SB12@2.5-3.5'**					
Arsenic		3.4	0.12		mg/kg	SW846 6020B
Barium		121	1.2		mg/kg	SW846 6020B
Cadmium		0.32	0.061		mg/kg	SW846 6020B
Copper		15.1	1.2		mg/kg	SW846 6020B
Lead		15.2	0.30		mg/kg	SW846 6020B
Nickel		12.1	1.2		mg/kg	SW846 6020B
Selenium		0.32	0.24		mg/kg	SW846 6020B
Silver		0.066	0.061		mg/kg	SW846 6020B
Zinc		63.4	6.1		mg/kg	SW846 6020B
pH		8.42			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.64	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72466-19A	**SB12@2.5-3.5'**					
Calcium		57.4	4.0		mg/l	SW846 6010C
Magnesium		37.4	2.0		mg/l	SW846 6010C
Sodium		177	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		4.47			ratio	USDA HANDBOOK 60
DA72466-19B	**SB12@2.5-3.5'**					
Boron		0.823	0.50		mg/l	SW846 6010C

Summary of Hits

Job Number: DA72466
Account: Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27
Collected: 05/20/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA72466-20	**SB13@2.5-3.5'**					
Arsenic		0.60	0.11		mg/kg	SW846 6020B
Barium		20.4	1.1		mg/kg	SW846 6020B
Copper		1.9	1.1		mg/kg	SW846 6020B
Lead		2.5	0.28		mg/kg	SW846 6020B
Nickel		2.0	1.1		mg/kg	SW846 6020B
Zinc		8.5	5.6		mg/kg	SW846 6020B
pH		8.23			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.82	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72466-20A	**SB13@2.5-3.5'**					
Calcium		69.6	4.0		mg/l	SW846 6010C
Magnesium		41.1	2.0		mg/l	SW846 6010C
Sodium		250	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		5.87			ratio	USDA HANDBOOK 60
DA72466-20B	**SB13@2.5-3.5'**					
No hits reported in this sample.						
DA72466-21	**SB07@5-6'**					
Arsenic		3.0	0.12		mg/kg	SW846 6020B
Barium		111	1.2		mg/kg	SW846 6020B
Cadmium		0.30	0.060		mg/kg	SW846 6020B
Copper		11.8	1.2		mg/kg	SW846 6020B
Lead		14.0	0.30		mg/kg	SW846 6020B
Nickel		10.5	1.2		mg/kg	SW846 6020B
Selenium		0.30	0.24		mg/kg	SW846 6020B
Zinc		50.5	6.0		mg/kg	SW846 6020B
pH		7.99			su	WREP-125,4E-SATPASTE
Specific Conductivity		1.3	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72466-21A	**SB07@5-6'**					
Calcium		98.4	4.0		mg/l	SW846 6010C
Magnesium		44.8	2.0		mg/l	SW846 6010C
Sodium		24.9	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		0.522			ratio	USDA HANDBOOK 60
DA72466-21B	**SB07@5-6'**					
Boron		0.900	0.50		mg/l	SW846 6010C

Summary of Hits

Job Number: DA72466
Account: Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27
Collected: 05/20/25

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

(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:	SB01@0.5-1.5'		
Lab Sample ID:	DA72466-1	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8260B	**Percent Solids:**	82.9
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V90817.D	1	05/28/25 00:34	MB	n/a	n/a	V5V4386
Run #2							

	Initial Weight	Final Volume
Run #1	5.37 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0011	0.00056	mg/kg	
100-41-4	Ethylbenzene	ND	0.0022	0.00056	mg/kg	
108-88-3	Toluene	ND	0.0022	0.0011	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0022	0.00067	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0022	0.00056	mg/kg	
	m,p-Xylene	ND	0.0022	0.0020	mg/kg	
95-47-6	o-Xylene	ND	0.0022	0.00079	mg/kg	
1330-20-7	Xylene (total)	ND	0.0022	0.0020	mg/kg	
	TPH-GRO (C6-C10)	ND	0.22	0.11	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		70-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%
17060-07-0	1,2-Dichloroethane-D4	104%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB01@0.5-1.5'		
Lab Sample ID:	DA72466-1	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	82.9
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7G001233.D	1	05/26/25 16:19	TH	05/24/25 11:45	OP27734	E7G49
Run #2							

	Initial Weight	Final Volume
Run #1	5.5 g	10.0 ml
Run #2		

COGCC Table 915-1 PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.0044	0.0022	mg/kg	
120-12-7	Anthracene	ND	0.0044	0.0022	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0055	0.0033	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.0044	0.0022	mg/kg	
207-08-9	Benzo(k)fluoranthene [a]	ND	0.0044	0.0022	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0044	0.0022	mg/kg	
218-01-9	Chrysene	ND	0.0044	0.0022	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0044	0.0022	mg/kg	
206-44-0	Fluoranthene	ND	0.0044	0.0022	mg/kg	
86-73-7	Fluorene	ND	0.0044	0.0022	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0044	0.0022	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.0044	0.0022	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0044	0.0022	mg/kg	
91-20-3	Naphthalene	ND	0.0022	0.0016	mg/kg	
129-00-0	Pyrene	ND	0.0044	0.0022	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	70%		10-130%
4165-60-0	Nitrobenzene-d5	82%		10-130%
1718-51-0	Terphenyl-d14	89%		10-130%

(a) Associated BS outside control limits biased high. Sample ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB01@0.5-1.5'		
Lab Sample ID:	DA72466-1	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	82.9
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW42887.D	1	05/22/25 19:45	JB	05/21/25 10:00	OP27728	GLW1006
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	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	4.8	4.6	mg/kg	
	TPH-ORO (> C28-C36)	ND	7.2	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	68%		20-155%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB01@0.5-1.5'		
Lab Sample ID:	DA72466-1	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	82.9
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.9	0.11	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	98.8	1.1	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.20	0.054	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	9.9	1.1	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	8.8	0.27	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	8.0	1.1	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	0.22	0.22	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.054	0.054	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	38.0	5.4	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19158
(2) Prep QC Batch: MP41326

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB01@0.5-1.5'		
Lab Sample ID:	DA72466-1	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	82.9
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	82.9		%	1	05/21/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	8.09		su	1	05/27/25 13:46	MB	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	1.6	0.0010	mmhos/cm	1	05/29/25	JB	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.49	0.49	mg/kg	1	05/31/25 20:28	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB01@0.5-1.5'		
Lab Sample ID:	DA72466-1A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	82.9
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	54.9	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	27.0	2.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	95.4	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19181
(2) Prep QC Batch: MP41419

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB01@0.5-1.5'		
Lab Sample ID:	DA72466-1A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	82.9
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	2.63		ratio	1	06/02/25 21:10	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:	SB01@0.5-1.5'		
Lab Sample ID:	DA72466-1B	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	82.9
Project:	TASMCOA: Herbster F35-27		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	0.583	0.50	mg/l	1	06/05/25	06/05/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19199
(2) Prep QC Batch: MP41473

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB01@1.5-2.5'		
Lab Sample ID:	DA72466-2	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8260B	**Percent Solids:**	87.3
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V60786.D	1	05/27/25 18:11	MB	n/a	n/a	V6V2920
Run #2							

	Initial Weight	Final Volume
Run #1	5.44 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0011	0.00053	mg/kg	
100-41-4	Ethylbenzene	ND	0.0021	0.00053	mg/kg	
108-88-3	Toluene	ND	0.0021	0.0011	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0021	0.00063	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0021	0.00053	mg/kg	
	m,p-Xylene	ND	0.0021	0.0019	mg/kg	
95-47-6	o-Xylene	ND	0.0021	0.00074	mg/kg	
1330-20-7	Xylene (total)	ND	0.0021	0.0019	mg/kg	
	TPH-GRO (C6-C10)	ND	0.21	0.11	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%		70-130%
2037-26-5	Toluene-D8	96%		70-130%
460-00-4	4-Bromofluorobenzene	103%		70-130%
17060-07-0	1,2-Dichloroethane-D4	106%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB01@1.5-2.5'		
Lab Sample ID:	DA72466-2	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	87.3
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7G001234.D	1	05/26/25 16:44	TH	05/24/25 11:45	OP27734	E7G49
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	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.0044	0.0022	mg/kg	
120-12-7	Anthracene	ND	0.0044	0.0022	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0055	0.0033	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.0044	0.0022	mg/kg	
207-08-9	Benzo(k)fluoranthene [a]	ND	0.0044	0.0022	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0044	0.0022	mg/kg	
218-01-9	Chrysene	ND	0.0044	0.0022	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0044	0.0022	mg/kg	
206-44-0	Fluoranthene	ND	0.0044	0.0022	mg/kg	
86-73-7	Fluorene	ND	0.0044	0.0022	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0044	0.0022	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.0044	0.0022	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0044	0.0022	mg/kg	
91-20-3	Naphthalene	ND	0.0022	0.0017	mg/kg	
129-00-0	Pyrene	ND	0.0044	0.0022	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	76%		10-130%
4165-60-0	Nitrobenzene-d5	83%		10-130%
1718-51-0	Terphenyl-d14	97%		10-130%

(a) Associated BS outside control limits biased high. Sample ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB01@1.5-2.5'		
Lab Sample ID:	DA72466-2	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	87.3
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW42888.D	1	05/22/25 19:58	JB	05/21/25 10:00	OP27728	GLW1006
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	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	4.5	4.2	mg/kg	
	TPH-ORO (> C28-C36)	ND	6.7	5.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	62%		20-155%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB01@1.5-2.5'		
Lab Sample ID:	DA72466-2	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	87.3
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	4.0	0.10	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	60.8	1.0	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.074	0.050	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	4.8	1.0	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	5.9	0.25	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	4.7	1.0	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.20	0.20	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.050	0.050	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	18.9	5.0	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19158
(2) Prep QC Batch: MP41326

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB01@1.5-2.5'		
Lab Sample ID:	DA72466-2	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	87.3
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	87.3		%	1	05/21/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	8.16		su	1	05/27/25 13:46	MB	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	1.1	0.0010	mmhos/cm	1	05/29/25	JB	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.45	0.45	mg/kg	1	05/31/25 20:44	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB01@1.5-2.5'		
Lab Sample ID:	DA72466-2A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	87.3
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	47.3	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	25.0	2.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	93.7	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19181
(2) Prep QC Batch: MP41419

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB01@1.5-2.5'		
Lab Sample ID:	DA72466-2A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	87.3
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	2.74		ratio	1	06/02/25 21:12	BR	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB01@1.5-2.5'		
Lab Sample ID:	DA72466-2B	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	87.3
Project:	TASMCOA: Herbster F35-27		

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	06/05/25	06/05/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19199
(2) Prep QC Batch: MP41473

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB02@5-6'		
Lab Sample ID:	DA72466-3	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8260B	**Percent Solids:**	81.8
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V60787.D	1	05/27/25 18:34	MB	n/a	n/a	V6V2920
Run #2							

	Initial Weight	Final Volume
Run #1	5.38 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0011	0.00057	mg/kg	
100-41-4	Ethylbenzene	ND	0.0023	0.00057	mg/kg	
108-88-3	Toluene	ND	0.0023	0.0011	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0023	0.00068	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0023	0.00057	mg/kg	
	m,p-Xylene	ND	0.0023	0.0020	mg/kg	
95-47-6	o-Xylene	ND	0.0023	0.00080	mg/kg	
1330-20-7	Xylene (total)	ND	0.0023	0.0020	mg/kg	
	TPH-GRO (C6-C10)	ND	0.23	0.11	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	97%		70-130%
17060-07-0	1,2-Dichloroethane-D4	110%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB02@5-6'		
Lab Sample ID:	DA72466-3	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	81.8
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7G001235.D	1	05/26/25 17:09	TH	05/24/25 11:45	OP27734	E7G49
Run #2							

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

COGCC Table 915-1 PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.0050	0.0025	mg/kg	
120-12-7	Anthracene	ND	0.0050	0.0025	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0062	0.0037	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.0050	0.0025	mg/kg	
207-08-9	Benzo(k)fluoranthene [a]	ND	0.0050	0.0025	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0050	0.0025	mg/kg	
218-01-9	Chrysene	ND	0.0050	0.0025	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0050	0.0025	mg/kg	
206-44-0	Fluoranthene	ND	0.0050	0.0025	mg/kg	
86-73-7	Fluorene	ND	0.0050	0.0025	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0050	0.0025	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.0050	0.0025	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0050	0.0025	mg/kg	
91-20-3	Naphthalene	ND	0.0025	0.0019	mg/kg	
129-00-0	Pyrene	ND	0.0050	0.0025	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	71%		10-130%
4165-60-0	Nitrobenzene-d5	82%		10-130%
1718-51-0	Terphenyl-d14	92%		10-130%

(a) Associated BS outside control limits biased high. Sample ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB02@5-6'		
Lab Sample ID:	DA72466-3	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	81.8
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW42889.D	1	05/22/25 20:12	JB	05/21/25 10:00	OP27728	GLW1006
Run #2							

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

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	4.5	4.3	mg/kg	
	TPH-ORO (> C28-C36)	55.6	6.8	5.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		20-155%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB02@5-6'		
Lab Sample ID:	DA72466-3	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	81.8
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	4.0	0.20	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	222	2.0	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.17	0.099	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	10.6	2.0	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	9.6	0.50	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	10.5	2.0	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.40	0.40	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.099	0.099	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	40.6	9.9	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19158
(2) Prep QC Batch: MP41326

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB02@5-6'		
Lab Sample ID:	DA72466-3	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	81.8
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	81.8		%	1	05/21/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	8.48		su	1	05/27/25 13:46	MB	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	1.2	0.0010	mmhos/cm	1	05/29/25	JB	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.49	0.49	mg/kg	1	05/31/25 21:08	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB02@5-6'		
Lab Sample ID:	DA72466-3A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	81.8
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	36.3	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	22.4	2.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	137	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19181
(2) Prep QC Batch: MP41419

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB02@5-6'		
Lab Sample ID:	DA72466-3A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	81.8
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	4.41		ratio	1	06/02/25 21:21	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:	SB02@5-6'		
Lab Sample ID:	DA72466-3B	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	81.8
Project:	TASMCOA: Herbster F35-27		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	0.520	0.50	mg/l	1	06/05/25	06/05/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19199
(2) Prep QC Batch: MP41473

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB02@6-7'		
Lab Sample ID:	DA72466-4	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8260B	**Percent Solids:**	88.8
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V60779.D	1	05/27/25 15:35	MB	n/a	n/a	V6V2920
Run #2							

	Initial Weight	Final Volume
Run #1	5.41 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00052	mg/kg	
100-41-4	Ethylbenzene	ND	0.0021	0.00052	mg/kg	
108-88-3	Toluene	ND	0.0021	0.0010	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0021	0.00062	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0021	0.00052	mg/kg	
	m,p-Xylene	ND	0.0021	0.0019	mg/kg	
95-47-6	o-Xylene	ND	0.0021	0.00073	mg/kg	
1330-20-7	Xylene (total)	ND	0.0021	0.0019	mg/kg	
	TPH-GRO (C6-C10)	ND	0.21	0.10	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		70-130%
2037-26-5	Toluene-D8	101%		70-130%
460-00-4	4-Bromofluorobenzene	90%		70-130%
17060-07-0	1,2-Dichloroethane-D4	107%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB02@6-7'		
Lab Sample ID:	DA72466-4	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	88.8
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7G001236.D	1	05/26/25 17:34	TH	05/24/25 11:45	OP27734	E7G49
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	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.0042	0.0021	mg/kg	
120-12-7	Anthracene	ND	0.0042	0.0021	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0052	0.0031	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.0042	0.0021	mg/kg	
207-08-9	Benzo(k)fluoranthene [a]	ND	0.0042	0.0021	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0042	0.0021	mg/kg	
218-01-9	Chrysene	ND	0.0042	0.0021	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0042	0.0021	mg/kg	
206-44-0	Fluoranthene	ND	0.0042	0.0021	mg/kg	
86-73-7	Fluorene	ND	0.0042	0.0021	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0042	0.0021	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.0042	0.0021	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0042	0.0021	mg/kg	
91-20-3	Naphthalene	ND	0.0021	0.0016	mg/kg	
129-00-0	Pyrene	ND	0.0042	0.0021	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	82%		10-130%
4165-60-0	Nitrobenzene-d5	86%		10-130%
1718-51-0	Terphenyl-d14	97%		10-130%

(a) Associated BS outside control limits biased high. Sample ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB02@6-7'		
Lab Sample ID:	DA72466-4	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	88.8
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW42890.D	1	05/22/25 20:26	JB	05/21/25 10:00	OP27728	GLW1006
Run #2							

	Initial Weight	Final Volume
Run #1	5.8 g	10.0 ml
Run #2		

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	3.9	3.7	mg/kg	
	TPH-ORO (> C28-C36)	ND	5.9	4.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	63%		20-155%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB02@6-7'		
Lab Sample ID:	DA72466-4	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	88.8
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.3	0.099	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	34.4	0.99	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.056	0.050	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	5.2	0.99	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	4.8	0.25	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	4.1	0.99	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.20	0.20	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.050	0.050	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	18.5	5.0	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19158
(2) Prep QC Batch: MP41326

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB02@6-7'		
Lab Sample ID:	DA72466-4	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	88.8
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	88.8		%	1	05/21/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	8.53		su	1	05/27/25 13:46	MB	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	1.2	0.0010	mmhos/cm	1	05/29/25	JB	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.46	0.46	mg/kg	1	05/31/25 21:15	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB02@6-7'		
Lab Sample ID:	DA72466-4A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	88.8
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	25.2	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	13.4	2.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	153	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19181
(2) Prep QC Batch: MP41419

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB02@6-7'		
Lab Sample ID:	DA72466-4A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	88.8
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	6.13		ratio	1	06/02/25 21:24	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:	SB02@6-7'		
Lab Sample ID:	DA72466-4B	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	88.8
Project:	TASMCOA: Herbster F35-27		

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	06/05/25	06/05/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19199
(2) Prep QC Batch: MP41473

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB03@2-3'		
Lab Sample ID:	DA72466-5	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8260B	**Percent Solids:**	85.7
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V60788.D	1	05/27/25 18:56	MB	n/a	n/a	V6V2920
Run #2							

	Initial Weight	Final Volume
Run #1	5.38 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0011	0.00054	mg/kg	
100-41-4	Ethylbenzene	ND	0.0022	0.00054	mg/kg	
108-88-3	Toluene	ND	0.0022	0.0011	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0022	0.00065	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0022	0.00054	mg/kg	
	m,p-Xylene	ND	0.0022	0.0020	mg/kg	
95-47-6	o-Xylene	ND	0.0022	0.00076	mg/kg	
1330-20-7	Xylene (total)	ND	0.0022	0.0020	mg/kg	
	TPH-GRO (C6-C10)	ND	0.22	0.11	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	96%		70-130%
17060-07-0	1,2-Dichloroethane-D4	109%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB03@2-3'		
Lab Sample ID:	DA72466-5	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	85.7
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7G001237.D	1	05/26/25 17:59	TH	05/24/25 11:45	OP27734	E7G49
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	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.0045	0.0022	mg/kg	
120-12-7	Anthracene	ND	0.0045	0.0022	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0056	0.0034	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.0045	0.0022	mg/kg	
207-08-9	Benzo(k)fluoranthene [a]	ND	0.0045	0.0022	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0045	0.0022	mg/kg	
218-01-9	Chrysene	ND	0.0045	0.0022	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0045	0.0022	mg/kg	
206-44-0	Fluoranthene	ND	0.0045	0.0022	mg/kg	
86-73-7	Fluorene	ND	0.0045	0.0022	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0045	0.0022	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.0045	0.0022	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0045	0.0022	mg/kg	
91-20-3	Naphthalene	ND	0.0022	0.0017	mg/kg	
129-00-0	Pyrene	ND	0.0045	0.0022	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	85%		10-130%
4165-60-0	Nitrobenzene-d5	84%		10-130%
1718-51-0	Terphenyl-d14	110%		10-130%

(a) Associated BS outside control limits biased high. Sample ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB03@2-3'		
Lab Sample ID:	DA72466-5	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	85.7
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW42891.D	1	05/22/25 20:39	JB	05/21/25 10:00	OP27728	GLW1006
Run #2							

	Initial Weight	Final Volume
Run #1	5.7 g	10.0 ml
Run #2		

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	4.1	3.9	mg/kg	
	TPH-ORO (> C28-C36)	ND	6.1	5.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	70%		20-155%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB03@2-3'		
Lab Sample ID:	DA72466-5	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	85.7
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.1	0.12	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	106	1.2	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.11	0.058	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	6.4	1.2	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	6.6	0.29	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	6.9	1.2	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.23	0.23	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.058	0.058	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	25.5	5.8	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19158
(2) Prep QC Batch: MP41326

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB03@2-3'		
Lab Sample ID:	DA72466-5	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	85.7
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	85.7		%	1	05/21/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	7.93		su	1	05/27/25 13:46	MB	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	4.1	0.0010	mmhos/cm	1	05/29/25	DW	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.46	0.46	mg/kg	1	06/01/25 14:29	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB03@2-3'		
Lab Sample ID:	DA72466-5A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	85.7
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	303	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	151	2.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	402	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19181
(2) Prep QC Batch: MP41419

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB03@2-3'		
Lab Sample ID:	DA72466-5A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	85.7
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	4.71		ratio	1	06/02/25 21:27	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:	SB03@2-3'		
Lab Sample ID:	DA72466-5B	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	85.7
Project:	TASMCOA: Herbster F35-27		

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	06/05/25	06/05/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19199
(2) Prep QC Batch: MP41473

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB04@0.5-1.5'		
Lab Sample ID:	DA72466-6	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8260B	**Percent Solids:**	83.4
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V60789.D	1	05/27/25 19:18	MB	n/a	n/a	V6V2920
Run #2							

	Initial Weight	Final Volume
Run #1	5.18 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0012	0.00058	mg/kg	
100-41-4	Ethylbenzene	ND	0.0023	0.00058	mg/kg	
108-88-3	Toluene	ND	0.0023	0.0012	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0023	0.00069	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0023	0.00058	mg/kg	
	m,p-Xylene	ND	0.0023	0.0021	mg/kg	
95-47-6	o-Xylene	ND	0.0023	0.00081	mg/kg	
1330-20-7	Xylene (total)	ND	0.0023	0.0021	mg/kg	
	TPH-GRO (C6-C10)	ND	0.23	0.12	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	116%		70-130%
2037-26-5	Toluene-D8	106%		70-130%
460-00-4	4-Bromofluorobenzene	92%		70-130%
17060-07-0	1,2-Dichloroethane-D4	110%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB04@0.5-1.5'		
Lab Sample ID:	DA72466-6	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	83.4
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7G001238.D	1	05/26/25 18:25	TH	05/24/25 11:45	OP27734	E7G49
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	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.0044	0.0022	mg/kg	
120-12-7	Anthracene	ND	0.0044	0.0022	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0056	0.0033	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.0044	0.0022	mg/kg	
207-08-9	Benzo(k)fluoranthene [a]	ND	0.0044	0.0022	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0044	0.0022	mg/kg	
218-01-9	Chrysene	ND	0.0044	0.0022	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0044	0.0022	mg/kg	
206-44-0	Fluoranthene	ND	0.0044	0.0022	mg/kg	
86-73-7	Fluorene	ND	0.0044	0.0022	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0044	0.0022	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.0044	0.0022	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0044	0.0022	mg/kg	
91-20-3	Naphthalene	ND	0.0022	0.0017	mg/kg	
129-00-0	Pyrene	ND	0.0044	0.0022	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	77%		10-130%
4165-60-0	Nitrobenzene-d5	79%		10-130%
1718-51-0	Terphenyl-d14	87%		10-130%

(a) Associated BS outside control limits biased high. Sample ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB04@0.5-1.5'		
Lab Sample ID:	DA72466-6	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	83.4
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW42892.D	1	05/22/25 20:53	JB	05/21/25 10:00	OP27728	GLW1006
Run #2							

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

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	4.5	4.3	mg/kg	
	TPH-ORO (> C28-C36)	ND	6.8	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		20-155%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB04@0.5-1.5'		
Lab Sample ID:	DA72466-6	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	83.4
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.9	0.12	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	152	1.2	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.15	0.059	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	8.0	1.2	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	8.4	0.29	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	9.4	1.2	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.23	0.23	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.059	0.059	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	34.7	5.9	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19158
(2) Prep QC Batch: MP41326

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB04@0.5-1.5'		
Lab Sample ID:	DA72466-6	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	83.4
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	83.4		%	1	05/21/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	8.29		su	1	05/27/25 13:46	MB	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	1.4	0.0010	mmhos/cm	1	05/29/25	DW	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.48	0.48	mg/kg	1	06/01/25 14:37	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB04@0.5-1.5'		
Lab Sample ID:	DA72466-6A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	83.4
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	63.4	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	32.8	2.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	158	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19181
(2) Prep QC Batch: MP41419

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB04@0.5-1.5'		
Lab Sample ID:	DA72466-6A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	83.4
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	4.01		ratio	1	06/02/25 21:36	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:	SB04@0.5-1.5'		
Lab Sample ID:	DA72466-6B	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	83.4
Project:	TASMCOA: Herbster F35-27		

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	06/05/25	06/05/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19199
(2) Prep QC Batch: MP41473

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB04@5-6'		
Lab Sample ID:	DA72466-7	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8260B	**Percent Solids:**	82.6
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V60790.D	1	05/27/25 19:40	MB	n/a	n/a	V6V2920
Run #2							

	Initial Weight	Final Volume
Run #1	5.26 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0012	0.00058	mg/kg	
100-41-4	Ethylbenzene	ND	0.0023	0.00058	mg/kg	
108-88-3	Toluene	ND	0.0023	0.0012	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0023	0.00069	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0023	0.00058	mg/kg	
	m,p-Xylene	ND	0.0023	0.0021	mg/kg	
95-47-6	o-Xylene	ND	0.0023	0.00081	mg/kg	
1330-20-7	Xylene (total)	ND	0.0023	0.0021	mg/kg	
	TPH-GRO (C6-C10)	ND	0.23	0.12	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		70-130%
2037-26-5	Toluene-D8	94%		70-130%
460-00-4	4-Bromofluorobenzene	103%		70-130%
17060-07-0	1,2-Dichloroethane-D4	110%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB04@5-6'		
Lab Sample ID:	DA72466-7	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	82.6
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7G001239.D	1	05/26/25 18:50	TH	05/24/25 11:45	OP27734	E7G49
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	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.0045	0.0022	mg/kg	
120-12-7	Anthracene	ND	0.0045	0.0022	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0056	0.0034	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.0045	0.0022	mg/kg	
207-08-9	Benzo(k)fluoranthene [a]	ND	0.0045	0.0022	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0045	0.0022	mg/kg	
218-01-9	Chrysene	ND	0.0045	0.0022	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0045	0.0022	mg/kg	
206-44-0	Fluoranthene	ND	0.0045	0.0022	mg/kg	
86-73-7	Fluorene	ND	0.0045	0.0022	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0045	0.0022	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.0045	0.0022	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0045	0.0022	mg/kg	
91-20-3	Naphthalene	ND	0.0022	0.0017	mg/kg	
129-00-0	Pyrene	ND	0.0045	0.0022	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	66%		10-130%
4165-60-0	Nitrobenzene-d5	72%		10-130%
1718-51-0	Terphenyl-d14	76%		10-130%

(a) Associated BS outside control limits biased high. Sample ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB04@5-6'		
Lab Sample ID:	DA72466-7	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	82.6
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW42893.D	1	05/22/25 21:07	JB	05/21/25 10:00	OP27728	GLW1006
Run #2							

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

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	4.5	4.3	mg/kg	
	TPH-ORO (> C28-C36)	ND	6.8	5.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	72%		20-155%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB04@5-6'		
Lab Sample ID:	DA72466-7	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	82.6
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.4	0.11	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	141	1.1	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.12	0.054	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	9.5	1.1	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	9.1	0.27	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	10.2	1.1	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.22	0.22	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.054	0.054	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	36.1	5.4	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19158
(2) Prep QC Batch: MP41326

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB04@5-6'		
Lab Sample ID:	DA72466-7	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	82.6
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	82.6		%	1	05/21/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	8.53		su	1	05/27/25 13:46	MB	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	1.3	0.0010	mmhos/cm	1	05/29/25	DW	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.50	0.50	mg/kg	1	06/01/25 15:01	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB04@5-6'		
Lab Sample ID:	DA72466-7A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	82.6
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	33.6	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	18.8	2.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	185	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19181
(2) Prep QC Batch: MP41419

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB04@5-6'		
Lab Sample ID:	DA72466-7A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	82.6
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	6.34		ratio	1	06/02/25 21:39	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:	SB04@5-6'		
Lab Sample ID:	DA72466-7B	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	82.6
Project:	TASMCOA: Herbster F35-27		

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	06/05/25	06/05/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19199
(2) Prep QC Batch: MP41473

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB05@0.5-1.5'		
Lab Sample ID:	DA72466-8	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8260B	**Percent Solids:**	86.3
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V60791.D	1	05/27/25 20:02	MB	n/a	n/a	V6V2920
Run #2							

	Initial Weight	Final Volume
Run #1	5.30 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0011	0.00055	mg/kg	
100-41-4	Ethylbenzene	ND	0.0022	0.00055	mg/kg	
108-88-3	Toluene	ND	0.0022	0.0011	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0022	0.00066	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0022	0.00055	mg/kg	
	m,p-Xylene	ND	0.0022	0.0020	mg/kg	
95-47-6	o-Xylene	ND	0.0022	0.00077	mg/kg	
1330-20-7	Xylene (total)	ND	0.0022	0.0020	mg/kg	
	TPH-GRO (C6-C10)	ND	0.22	0.11	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	97%		70-130%
17060-07-0	1,2-Dichloroethane-D4	111%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB05@0.5-1.5'		
Lab Sample ID:	DA72466-8	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	86.3
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7G001240.D	1	05/26/25 19:15	TH	05/24/25 11:45	OP27734	E7G49
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	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.0045	0.0022	mg/kg	
120-12-7	Anthracene	ND	0.0045	0.0022	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0056	0.0033	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.0045	0.0022	mg/kg	
207-08-9	Benzo(k)fluoranthene [a]	ND	0.0045	0.0022	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0045	0.0022	mg/kg	
218-01-9	Chrysene	ND	0.0045	0.0022	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0045	0.0022	mg/kg	
206-44-0	Fluoranthene	ND	0.0045	0.0022	mg/kg	
86-73-7	Fluorene	ND	0.0045	0.0022	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0045	0.0022	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.0045	0.0022	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0045	0.0022	mg/kg	
91-20-3	Naphthalene	ND	0.0022	0.0017	mg/kg	
129-00-0	Pyrene	ND	0.0045	0.0022	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	83%		10-130%
4165-60-0	Nitrobenzene-d5	88%		10-130%
1718-51-0	Terphenyl-d14	90%		10-130%

(a) Associated BS outside control limits biased high. Sample ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB05@0.5-1.5'		
Lab Sample ID:	DA72466-8	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	86.3
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW42894.D	1	05/22/25 21:21	JB	05/21/25 10:00	OP27728	GLW1006
Run #2							

	Initial Weight	Final Volume
Run #1	5.5 g	10.0 ml
Run #2		

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	4.2	4.0	mg/kg	
	TPH-ORO (> C28-C36)	ND	6.3	5.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		20-155%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB05@0.5-1.5'		
Lab Sample ID:	DA72466-8	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	86.3
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.0	0.12	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	116	1.2	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.15	0.058	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	8.7	1.2	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	8.5	0.29	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	8.9	1.2	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.23	0.23	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.058	0.058	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	36.8	5.8	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19158
(2) Prep QC Batch: MP41326

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB05@0.5-1.5'		
Lab Sample ID:	DA72466-8	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	86.3
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	86.3		%	1	05/21/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	8.52		su	1	05/27/25 13:46	MB	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	1.0	0.0010	mmhos/cm	1	05/29/25	DW	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.45	0.45	mg/kg	1	06/01/25 15:24	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB05@0.5-1.5'		
Lab Sample ID:	DA72466-8A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	86.3
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	33.1	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	18.9	2.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	124	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19181
(2) Prep QC Batch: MP41419

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB05@0.5-1.5'		
Lab Sample ID:	DA72466-8A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	86.3
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	4.26		ratio	1	06/02/25 21:42	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:	SB05@0.5-1.5'		
Lab Sample ID:	DA72466-8B	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	86.3
Project:	TASMCOA: Herbster F35-27		

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	06/05/25	06/05/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19199
(2) Prep QC Batch: MP41473

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB05@5-6'		
Lab Sample ID:	DA72466-9	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8260B	**Percent Solids:**	92.3
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V60780.D	1	05/27/25 15:57	MB	n/a	n/a	V6V2920
Run #2							

	Initial Weight	Final Volume
Run #1	5.31 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00051	mg/kg	
100-41-4	Ethylbenzene	ND	0.0020	0.00051	mg/kg	
108-88-3	Toluene	ND	0.0020	0.0010	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0020	0.00061	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0020	0.00051	mg/kg	
	m,p-Xylene	ND	0.0020	0.0018	mg/kg	
95-47-6	o-Xylene	ND	0.0020	0.00071	mg/kg	
1330-20-7	Xylene (total)	ND	0.0020	0.0018	mg/kg	
	TPH-GRO (C6-C10)	ND	0.20	0.10	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		70-130%
2037-26-5	Toluene-D8	97%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%
17060-07-0	1,2-Dichloroethane-D4	108%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB05@5-6'		
Lab Sample ID:	DA72466-9	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	92.3
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7G001241.D	1	05/26/25 19:40	TH	05/24/25 11:45	OP27734	E7G49
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	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.0042	0.0021	mg/kg	
120-12-7	Anthracene	ND	0.0042	0.0021	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0052	0.0031	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.0042	0.0021	mg/kg	
207-08-9	Benzo(k)fluoranthene [a]	ND	0.0042	0.0021	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0042	0.0021	mg/kg	
218-01-9	Chrysene	ND	0.0042	0.0021	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0042	0.0021	mg/kg	
206-44-0	Fluoranthene	ND	0.0042	0.0021	mg/kg	
86-73-7	Fluorene	ND	0.0042	0.0021	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0042	0.0021	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.0042	0.0021	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0042	0.0021	mg/kg	
91-20-3	Naphthalene	ND	0.0021	0.0016	mg/kg	
129-00-0	Pyrene	ND	0.0042	0.0021	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	80%		10-130%
4165-60-0	Nitrobenzene-d5	83%		10-130%
1718-51-0	Terphenyl-d14	89%		10-130%

(a) Associated BS outside control limits biased high. Sample ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB05@5-6'		
Lab Sample ID:	DA72466-9	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	92.3
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW42895.D	1	05/22/25 21:34	JB	05/21/25 10:00	OP27728	GLW1006
Run #2							

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

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	4.1	3.9	mg/kg	
	TPH-ORO (> C28-C36)	ND	6.1	5.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	66%		20-155%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB05@5-6'		
Lab Sample ID:	DA72466-9	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	92.3
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.93	0.11	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	79.3	1.1	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	< 0.053	0.053	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	3.3	1.1	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	3.5	0.26	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	3.0	1.1	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.21	0.21	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.053	0.053	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	13.5	5.3	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19158
(2) Prep QC Batch: MP41326

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB05@5-6'		
Lab Sample ID:	DA72466-9	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	92.3
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	92.3		%	1	05/21/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	8.40		su	1	05/27/25 13:46	MB	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	1.2	0.0010	mmhos/cm	1	05/29/25	DW	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.42	0.42	mg/kg	1	06/01/25 15:48	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB05@5-6'		
Lab Sample ID:	DA72466-9A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	92.3
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	35.9	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	23.8	2.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	131	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19181
(2) Prep QC Batch: MP41419

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB05@5-6'		
Lab Sample ID:	DA72466-9A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	92.3
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	4.16		ratio	1	06/02/25 21:44	BR	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB05@5-6'		
Lab Sample ID:	DA72466-9B	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	92.3
Project:	TASMCOA: Herbster F35-27		

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	06/05/25	06/05/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19199
(2) Prep QC Batch: MP41473

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB06@0.5-1.5'		
Lab Sample ID:	DA72466-10	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8260B	**Percent Solids:**	85.8
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V60792.D	1	05/27/25 20:25	MB	n/a	n/a	V6V2920
Run #2							

	Initial Weight	Final Volume
Run #1	5.27 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0011	0.00055	mg/kg	
100-41-4	Ethylbenzene	ND	0.0022	0.00055	mg/kg	
108-88-3	Toluene	ND	0.0022	0.0011	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0022	0.00066	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0022	0.00055	mg/kg	
	m,p-Xylene	ND	0.0022	0.0020	mg/kg	
95-47-6	o-Xylene	ND	0.0022	0.00077	mg/kg	
1330-20-7	Xylene (total)	ND	0.0022	0.0020	mg/kg	
	TPH-GRO (C6-C10)	ND	0.22	0.11	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	117%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	93%		70-130%
17060-07-0	1,2-Dichloroethane-D4	121%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB06@0.5-1.5'		
Lab Sample ID:	DA72466-10	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	85.8
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7G001242.D	1	05/26/25 20:06	TH	05/24/25 11:45	OP27734	E7G49
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	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.0045	0.0022	mg/kg	
120-12-7	Anthracene	ND	0.0045	0.0022	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0056	0.0034	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.0045	0.0022	mg/kg	
207-08-9	Benzo(k)fluoranthene [a]	ND	0.0045	0.0022	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0045	0.0022	mg/kg	
218-01-9	Chrysene	ND	0.0045	0.0022	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0045	0.0022	mg/kg	
206-44-0	Fluoranthene	ND	0.0045	0.0022	mg/kg	
86-73-7	Fluorene	ND	0.0045	0.0022	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0045	0.0022	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.0045	0.0022	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0045	0.0022	mg/kg	
91-20-3	Naphthalene	ND	0.0022	0.0017	mg/kg	
129-00-0	Pyrene	ND	0.0045	0.0022	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	81%		10-130%
4165-60-0	Nitrobenzene-d5	85%		10-130%
1718-51-0	Terphenyl-d14	86%		10-130%

(a) Associated BS outside control limits biased high. Sample ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB06@0.5-1.5'		
Lab Sample ID:	DA72466-10	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	85.8
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW42899.D	1	05/22/25 22:29	JB	05/21/25 10:00	OP27728	GLW1006
Run #2							

	Initial Weight	Final Volume
Run #1	5.7 g	10.0 ml
Run #2		

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	4.1	3.9	mg/kg	
	TPH-ORO (> C28-C36)	ND	6.2	5.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		20-155%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB06@0.5-1.5'		
Lab Sample ID:	DA72466-10	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	85.8
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.9	0.11	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	109	1.1	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.31	0.057	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	13.9	1.1	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	12.9	0.28	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	10.1	1.1	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	0.34	0.23	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	0.059	0.057	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	54.1	5.7	mg/kg	5	05/21/25	05/28/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19158
(2) Prep QC Batch: MP41326

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB06@0.5-1.5'		
Lab Sample ID:	DA72466-10	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	85.8
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	85.8		%	1	05/21/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	8.44		su	1	05/27/25 13:46	MB	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.64	0.0010	mmhos/cm	1	05/29/25	DW	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.49	0.49	mg/kg	1	06/01/25 16:04	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB06@0.5-1.5'		
Lab Sample ID:	DA72466-10A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	85.8
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	25.8	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	13.7	2.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	71.5	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19181
(2) Prep QC Batch: MP41419

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB06@0.5-1.5'		
Lab Sample ID:	DA72466-10A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	85.8
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	2.83		ratio	1	06/02/25 21:47	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:	SB06@0.5-1.5'		
Lab Sample ID:	DA72466-10B	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	85.8
Project:	TASMCOA: Herbster F35-27		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	0.985	0.50	mg/l	1	06/05/25	06/05/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19199
(2) Prep QC Batch: MP41473

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB06@5-6'		
Lab Sample ID:	DA72466-11	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8260B	**Percent Solids:**	84.7
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V60793.D	1	05/27/25 20:47	MB	n/a	n/a	V6V2920
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	MDL	Units	Q
71-43-2	Benzene	ND	0.0011	0.00055	mg/kg	
100-41-4	Ethylbenzene	ND	0.0022	0.00055	mg/kg	
108-88-3	Toluene	ND	0.0022	0.0011	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0022	0.00066	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0022	0.00055	mg/kg	
	m,p-Xylene	ND	0.0022	0.0020	mg/kg	
95-47-6	o-Xylene	ND	0.0022	0.00077	mg/kg	
1330-20-7	Xylene (total)	ND	0.0022	0.0020	mg/kg	
	TPH-GRO (C6-C10)	ND	0.22	0.11	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%		70-130%
2037-26-5	Toluene-D8	96%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%
17060-07-0	1,2-Dichloroethane-D4	118%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB06@5-6'		
Lab Sample ID:	DA72466-11	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	84.7
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7G001243.D	1	05/26/25 20:31	TH	05/24/25 11:45	OP27734	E7G49
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	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.0046	0.0023	mg/kg	
120-12-7	Anthracene	ND	0.0046	0.0023	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0058	0.0035	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.0046	0.0023	mg/kg	
207-08-9	Benzo(k)fluoranthene [a]	ND	0.0046	0.0023	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0046	0.0023	mg/kg	
218-01-9	Chrysene	ND	0.0046	0.0023	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0046	0.0023	mg/kg	
206-44-0	Fluoranthene	ND	0.0046	0.0023	mg/kg	
86-73-7	Fluorene	ND	0.0046	0.0023	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0046	0.0023	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.0046	0.0023	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0046	0.0023	mg/kg	
91-20-3	Naphthalene	ND	0.0023	0.0017	mg/kg	
129-00-0	Pyrene	ND	0.0046	0.0023	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	75%		10-130%
4165-60-0	Nitrobenzene-d5	81%		10-130%
1718-51-0	Terphenyl-d14	85%		10-130%

(a) Associated BS outside control limits biased high. Sample ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB06@5-6'		
Lab Sample ID:	DA72466-11	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	84.7
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW42900.D	1	05/22/25 22:43	JB	05/21/25 10:00	OP27728	GLW1006
Run #2							

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

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	4.5	4.3	mg/kg	
	TPH-ORO (> C28-C36)	ND	6.8	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		20-155%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB06@5-6'		
Lab Sample ID:	DA72466-11	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	84.7
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.6	0.10	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	157	1.0	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.15	0.051	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	9.2	1.0	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	8.4	0.25	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	8.4	1.0	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	0.20	0.20	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.051	0.051	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	33.9	5.1	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19158
(2) Prep QC Batch: MP41326

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB06@5-6'		
Lab Sample ID:	DA72466-11	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	84.7
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	84.7		%	1	05/21/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	7.88		su	1	05/27/25 13:46	MB	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	1.5	0.0010	mmhos/cm	1	05/29/25	DW	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.49	0.49	mg/kg	1	06/01/25 12:58	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB06@5-6'		
Lab Sample ID:	DA72466-11A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	84.7
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	55.4	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	34.8	2.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	188	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19181
(2) Prep QC Batch: MP41419

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB06@5-6'		
Lab Sample ID:	DA72466-11A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	84.7
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	4.88		ratio	1	06/02/25 21:56	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:	SB06@5-6'		
Lab Sample ID:	DA72466-11B	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	84.7
Project:	TASMCOA: Herbster F35-27		

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	06/05/25	06/05/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19199
(2) Prep QC Batch: MP41473

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB07@0.5-1.5'		
Lab Sample ID:	DA72466-12	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8260B	**Percent Solids:**	85.4
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V60794.D	1	05/27/25 21:09	MB	n/a	n/a	V6V2920
Run #2							

	Initial Weight	Final Volume
Run #1	5.27 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0011	0.00056	mg/kg	
100-41-4	Ethylbenzene	ND	0.0022	0.00056	mg/kg	
108-88-3	Toluene	ND	0.0022	0.0011	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0022	0.00067	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0022	0.00056	mg/kg	
	m,p-Xylene	ND	0.0022	0.0020	mg/kg	
95-47-6	o-Xylene	ND	0.0022	0.00078	mg/kg	
1330-20-7	Xylene (total)	ND	0.0022	0.0020	mg/kg	
	TPH-GRO (C6-C10)	ND	0.22	0.11	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	96%		70-130%
17060-07-0	1,2-Dichloroethane-D4	107%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB07@0.5-1.5'		
Lab Sample ID:	DA72466-12	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	85.4
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7G001244.D	1	05/26/25 20:55	TH	05/24/25 11:45	OP27734	E7G49
Run #2							

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

COGCC Table 915-1 PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.0047	0.0023	mg/kg	
120-12-7	Anthracene	ND	0.0047	0.0023	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0059	0.0035	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.0047	0.0023	mg/kg	
207-08-9	Benzo(k)fluoranthene [a]	ND	0.0047	0.0023	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0047	0.0023	mg/kg	
218-01-9	Chrysene	ND	0.0047	0.0023	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0047	0.0023	mg/kg	
206-44-0	Fluoranthene	ND	0.0047	0.0023	mg/kg	
86-73-7	Fluorene	ND	0.0047	0.0023	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0047	0.0023	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.0047	0.0023	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0047	0.0023	mg/kg	
91-20-3	Naphthalene	ND	0.0023	0.0018	mg/kg	
129-00-0	Pyrene	ND	0.0047	0.0023	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	61%		10-130%
4165-60-0	Nitrobenzene-d5	81%		10-130%
1718-51-0	Terphenyl-d14	77%		10-130%

(a) Associated BS outside control limits biased high. Sample ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB07@0.5-1.5'		
Lab Sample ID:	DA72466-12	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	85.4
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW42901.D	1	05/22/25 22:56	JB	05/21/25 10:00	OP27728	GLW1006
Run #2							

	Initial Weight	Final Volume
Run #1	5.7 g	10.0 ml
Run #2		

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	4.1	3.9	mg/kg	
	TPH-ORO (> C28-C36)	ND	6.2	5.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		20-155%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB07@0.5-1.5'		
Lab Sample ID:	DA72466-12	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	85.4
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.0	0.095	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	57.4	0.95	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.10	0.047	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	6.4	0.95	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	5.9	0.24	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	5.4	0.95	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.19	0.19	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.047	0.047	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	24.4	4.7	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19158
(2) Prep QC Batch: MP41326

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB07@0.5-1.5'		
Lab Sample ID:	DA72466-12	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	85.4
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	85.4		%	1	05/21/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	7.95		su	1	06/02/25 12:00	TMP	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.95	0.0010	mmhos/cm	1	05/29/25	DW	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.46	0.46	mg/kg	1	06/01/25 16:20	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB07@0.5-1.5'		
Lab Sample ID:	DA72466-12A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	85.4
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	35.9	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	18.0	2.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	95.8	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19181
(2) Prep QC Batch: MP41419

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB07@0.5-1.5'		
Lab Sample ID:	DA72466-12A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	85.4
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	3.26		ratio	1	06/02/25 21:59	BR	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB07@0.5-1.5'		
Lab Sample ID:	DA72466-12B	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	85.4
Project:	TASMCOA: Herbster F35-27		

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	06/05/25	06/05/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19199
(2) Prep QC Batch: MP41473

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB08@2.5-3.5		
Lab Sample ID:	DA72466-13	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8260B	**Percent Solids:**	80.8
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V60795.D	1	05/27/25 21:32	MB	n/a	n/a	V6V2920
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	MDL	Units	Q
71-43-2	Benzene	ND	0.0011	0.00057	mg/kg	
100-41-4	Ethylbenzene	ND	0.0023	0.00057	mg/kg	
108-88-3	Toluene	ND	0.0023	0.0011	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0023	0.00069	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0023	0.00057	mg/kg	
	m,p-Xylene	ND	0.0023	0.0021	mg/kg	
95-47-6	o-Xylene	ND	0.0023	0.00080	mg/kg	
1330-20-7	Xylene (total)	ND	0.0023	0.0021	mg/kg	
	TPH-GRO (C6-C10)	ND	0.23	0.11	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%
17060-07-0	1,2-Dichloroethane-D4	111%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB08@2.5-3.5		
Lab Sample ID:	DA72466-13	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	80.8
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7G001245.D	1	05/26/25 21:20	TH	05/24/25 11:45	OP27734	E7G49
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	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.0048	0.0024	mg/kg	
120-12-7	Anthracene	ND	0.0048	0.0024	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0060	0.0036	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.0048	0.0024	mg/kg	
207-08-9	Benzo(k)fluoranthene [a]	ND	0.0048	0.0024	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0048	0.0024	mg/kg	
218-01-9	Chrysene	ND	0.0048	0.0024	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0048	0.0024	mg/kg	
206-44-0	Fluoranthene	ND	0.0048	0.0024	mg/kg	
86-73-7	Fluorene	ND	0.0048	0.0024	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0048	0.0024	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.0048	0.0024	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0048	0.0024	mg/kg	
91-20-3	Naphthalene	ND	0.0024	0.0018	mg/kg	
129-00-0	Pyrene	ND	0.0048	0.0024	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	64%		10-130%
4165-60-0	Nitrobenzene-d5	79%		10-130%
1718-51-0	Terphenyl-d14	80%		10-130%

(a) Associated BS outside control limits biased high. Sample ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB08@2.5-3.5		
Lab Sample ID:	DA72466-13	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	80.8
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW42902.D	1	05/22/25 23:10	JB	05/21/25 10:00	OP27728	GLW1006
Run #2							

	Initial Weight	Final Volume
Run #1	5.7 g	10.0 ml
Run #2		

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	4.4	4.2	mg/kg	
	TPH-ORO (> C28-C36)	ND	6.6	5.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	67%		20-155%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB08@2.5-3.5		
Lab Sample ID:	DA72466-13	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	80.8
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.3	0.11	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	63.2	1.1	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.096	0.056	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	6.6	1.1	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	6.1	0.28	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	5.6	1.1	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.23	0.23	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.056	0.056	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	21.8	5.6	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19158
(2) Prep QC Batch: MP41326

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB08@2.5-3.5		
Lab Sample ID:	DA72466-13	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	80.8
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	80.8		%	1	05/21/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	8.58		su	1	05/27/25 13:46	MB	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.97	0.0010	mmhos/cm	1	05/29/25	DW	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.50	0.50	mg/kg	1	06/01/25 16:28	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB08@2.5-3.5		
Lab Sample ID:	DA72466-13A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	80.8
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	25.6	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	16.3	2.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	119	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19181
(2) Prep QC Batch: MP41419

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB08@2.5-3.5		
Lab Sample ID:	DA72466-13A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	80.8
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	4.52		ratio	1	06/02/25 22:02	BR	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB08@2.5-3.5		
Lab Sample ID:	DA72466-13B	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	80.8
Project:	TASMCOA: Herbster F35-27		

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	06/05/25	06/05/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19199
(2) Prep QC Batch: MP41473

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB08@3.5-4.5		
Lab Sample ID:	DA72466-14	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8260B	**Percent Solids:**	86.1
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V60796.D	1	05/27/25 21:54	MB	n/a	n/a	V6V2920
Run #2							

	Initial Weight	Final Volume
Run #1	5.29 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0011	0.00055	mg/kg	
100-41-4	Ethylbenzene	ND	0.0022	0.00055	mg/kg	
108-88-3	Toluene	ND	0.0022	0.0011	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0022	0.00066	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0022	0.00055	mg/kg	
	m,p-Xylene	ND	0.0022	0.0020	mg/kg	
95-47-6	o-Xylene	ND	0.0022	0.00077	mg/kg	
1330-20-7	Xylene (total)	ND	0.0022	0.0020	mg/kg	
	TPH-GRO (C6-C10)	ND	0.22	0.11	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	121%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	96%		70-130%
17060-07-0	1,2-Dichloroethane-D4	115%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB08@3.5-4.5		
Lab Sample ID:	DA72466-14	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	86.1
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7G001248.D	1	05/26/25 22:35	TH	05/24/25 11:45	OP27734	E7G49
Run #2							

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

COGCC Table 915-1 PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.0046	0.0023	mg/kg	
120-12-7	Anthracene	ND	0.0046	0.0023	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0058	0.0035	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.0046	0.0023	mg/kg	
207-08-9	Benzo(k)fluoranthene [a]	ND	0.0046	0.0023	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0046	0.0023	mg/kg	
218-01-9	Chrysene	ND	0.0046	0.0023	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0046	0.0023	mg/kg	
206-44-0	Fluoranthene	ND	0.0046	0.0023	mg/kg	
86-73-7	Fluorene	ND	0.0046	0.0023	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0046	0.0023	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.0046	0.0023	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0046	0.0023	mg/kg	
91-20-3	Naphthalene	ND	0.0023	0.0017	mg/kg	
129-00-0	Pyrene	ND	0.0046	0.0023	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	73%		10-130%
4165-60-0	Nitrobenzene-d5	75%		10-130%
1718-51-0	Terphenyl-d14	93%		10-130%

(a) Associated BS outside control limits biased high. Sample ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB08@3.5-4.5		
Lab Sample ID:	DA72466-14	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	86.1
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW42903.D	1	05/22/25 23:24	JB	05/21/25 10:00	OP27728	GLW1006
Run #2							

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

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	4.3	4.1	mg/kg	
	TPH-ORO (> C28-C36)	ND	6.4	5.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	55%		20-155%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	SB08@3.5-4.5		
Lab Sample ID:	DA72466-14	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	86.1
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.5	0.12	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	97.5	1.2	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.12	0.058	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	7.5	1.2	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	7.2	0.29	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	7.5	1.2	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.23	0.23	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.058	0.058	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	28.3	5.8	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19158
(2) Prep QC Batch: MP41326

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB08@3.5-4.5		
Lab Sample ID:	DA72466-14	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	86.1
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	86.1		%	1	05/21/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	8.63		su	1	05/27/25 13:46	MB	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	1.3	0.0010	mmhos/cm	1	05/29/25	DW	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.48	0.48	mg/kg	1	06/01/25 16:44	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB08@3.5-4.5		
Lab Sample ID:	DA72466-14A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	86.1
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	29.2	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	24.7	2.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	177	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19181
(2) Prep QC Batch: MP41419

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	SB08@3.5-4.5		
Lab Sample ID:	DA72466-14A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	86.1
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	5.83		ratio	1	06/02/25 22:05	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:	SB08@3.5-4.5		
Lab Sample ID:	DA72466-14B	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	86.1
Project:	TASMCOA: Herbster F35-27		

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	06/05/25	06/05/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19199
(2) Prep QC Batch: MP41473

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB09@2.5-3.5'		
Lab Sample ID:	DA72466-15	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8260B	**Percent Solids:**	83.5
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V60797.D	1	05/27/25 22:16	MB	n/a	n/a	V6V2920
Run #2							

	Initial Weight	Final Volume
Run #1	5.06 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0012	0.00059	mg/kg	
100-41-4	Ethylbenzene	ND	0.0024	0.00059	mg/kg	
108-88-3	Toluene	ND	0.0024	0.0012	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0024	0.00071	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0024	0.00059	mg/kg	
	m,p-Xylene	ND	0.0024	0.0021	mg/kg	
95-47-6	o-Xylene	ND	0.0024	0.00083	mg/kg	
1330-20-7	Xylene (total)	ND	0.0024	0.0021	mg/kg	
	TPH-GRO (C6-C10)	ND	0.24	0.12	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	116%		70-130%
2037-26-5	Toluene-D8	96%		70-130%
460-00-4	4-Bromofluorobenzene	97%		70-130%
17060-07-0	1,2-Dichloroethane-D4	116%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB09@2.5-3.5'		
Lab Sample ID:	DA72466-15	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	83.5
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7G001246.D	1	05/26/25 21:45	TH	05/24/25 11:45	OP27734	E7G49
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	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.0047	0.0023	mg/kg	
120-12-7	Anthracene	ND	0.0047	0.0023	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0059	0.0035	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.0047	0.0023	mg/kg	
207-08-9	Benzo(k)fluoranthene [a]	ND	0.0047	0.0023	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0047	0.0023	mg/kg	
218-01-9	Chrysene	ND	0.0047	0.0023	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0047	0.0023	mg/kg	
206-44-0	Fluoranthene	0.0029	0.0047	0.0023	mg/kg	J
86-73-7	Fluorene	ND	0.0047	0.0023	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0047	0.0023	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.0047	0.0023	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0047	0.0023	mg/kg	
91-20-3	Naphthalene	ND	0.0023	0.0018	mg/kg	
129-00-0	Pyrene	0.0024	0.0047	0.0023	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	45%		10-130%
4165-60-0	Nitrobenzene-d5	77%		10-130%
1718-51-0	Terphenyl-d14	69%		10-130%

(a) Associated BS outside control limits biased high. Sample ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB09@2.5-3.5'		
Lab Sample ID:	DA72466-15	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	83.5
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW42904.D	1	05/22/25 23:37	JB	05/21/25 10:00	OP27728	GLW1006
Run #2							

	Initial Weight	Final Volume
Run #1	5.7 g	10.0 ml
Run #2		

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	4.2	4.0	mg/kg	
	TPH-ORO (> C28-C36)	ND	6.3	5.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	70%		20-155%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB09@2.5-3.5'		
Lab Sample ID:	DA72466-15	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	83.5
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.7	0.11	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	100	1.1	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.25	0.056	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	12.3	1.1	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	13.6	0.28	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	10.3	1.1	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	0.26	0.23	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	0.062	0.056	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	49.7	5.6	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19158
(2) Prep QC Batch: MP41327

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	SB09@2.5-3.5'		
Lab Sample ID:	DA72466-15	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	83.5
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	83.5		%	1	05/21/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	8.02		su	1	05/27/25 13:46	MB	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	3.9	0.0010	mmhos/cm	1	05/29/25	DW	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.48	0.48	mg/kg	1	06/01/25 17:07	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB09@2.5-3.5'		
Lab Sample ID:	DA72466-15A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	83.5
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	155	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	109	2.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	462	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19181
(2) Prep QC Batch: MP41419

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB09@2.5-3.5'		
Lab Sample ID:	DA72466-15A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	83.5
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	6.95		ratio	1	06/02/25 22:07	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:	SB09@2.5-3.5'		
Lab Sample ID:	DA72466-15B	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	83.5
Project:	TASMCOA: Herbster F35-27		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	0.695	0.50	mg/l	1	06/05/25	06/05/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19199
(2) Prep QC Batch: MP41473

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB09@4.5-5.5'		
Lab Sample ID:	DA72466-16	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8260B	**Percent Solids:**	97.1
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V60798.D	1	05/27/25 22:39	MB	n/a	n/a	V6V2920
Run #2							

	Initial Weight	Final Volume
Run #1	5.48 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.00094	0.00047	mg/kg	
100-41-4	Ethylbenzene	ND	0.0019	0.00047	mg/kg	
108-88-3	Toluene	ND	0.0019	0.00094	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0019	0.00056	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0019	0.00047	mg/kg	
	m,p-Xylene	ND	0.0019	0.0017	mg/kg	
95-47-6	o-Xylene	ND	0.0019	0.00066	mg/kg	
1330-20-7	Xylene (total)	ND	0.0019	0.0017	mg/kg	
	TPH-GRO (C6-C10)	ND	0.19	0.094	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		70-130%
2037-26-5	Toluene-D8	94%		70-130%
460-00-4	4-Bromofluorobenzene	97%		70-130%
17060-07-0	1,2-Dichloroethane-D4	106%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB09@4.5-5.5'		
Lab Sample ID:	DA72466-16	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	97.1
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G57344.D	1	05/29/25 01:41	TH	05/24/25 11:45	OP27734	E3G2800
Run #2							

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

COGCC Table 915-1 PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.0042	0.0021	mg/kg	
120-12-7	Anthracene	ND	0.0042	0.0021	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0053	0.0032	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.0042	0.0021	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.0042	0.0021	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0042	0.0021	mg/kg	
218-01-9	Chrysene	ND	0.0042	0.0021	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0042	0.0021	mg/kg	
206-44-0	Fluoranthene	ND	0.0042	0.0021	mg/kg	
86-73-7	Fluorene	ND	0.0042	0.0021	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0042	0.0021	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.0042	0.0021	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0042	0.0021	mg/kg	
91-20-3	Naphthalene	ND	0.0021	0.0016	mg/kg	
129-00-0	Pyrene	ND	0.0042	0.0021	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	81%		10-130%
4165-60-0	Nitrobenzene-d5	85%		10-130%
1718-51-0	Terphenyl-d14	87%		10-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB09@4.5-5.5'		
Lab Sample ID:	DA72466-16	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	97.1
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW42905.D	1	05/22/25 23:51	JB	05/21/25 10:00	OP27728	GLW1006
Run #2							

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

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	4.0	3.8	mg/kg	
	TPH-ORO (> C28-C36)	ND	5.9	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	67%		20-155%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB09@4.5-5.5'		
Lab Sample ID:	DA72466-16	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	97.1
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.78	0.10	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	15.9	1.0	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	< 0.051	0.051	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	1.6	1.0	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	2.5	0.25	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	1.6	1.0	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.20	0.20	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.051	0.051	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	8.3	5.1	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19158
(2) Prep QC Batch: MP41327

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	SB09@4.5-5.5'		
Lab Sample ID:	DA72466-16	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	97.1
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	97.1		%	1	05/21/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	8.39		su	1	05/27/25 13:46	MB	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.84	0.0010	mmhos/cm	1	05/29/25	DW	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.41	0.41	mg/kg	1	06/01/25 17:23	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB09@4.5-5.5'		
Lab Sample ID:	DA72466-16A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	97.1
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	29.7	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	31.7	2.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	98.0	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19181
(2) Prep QC Batch: MP41419

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB09@4.5-5.5'		
Lab Sample ID:	DA72466-16A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	97.1
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	2.98		ratio	1	06/02/25 22:10	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:	SB09@4.5-5.5'		
Lab Sample ID:	DA72466-16B	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	97.1
Project:	TASMCOA: Herbster F35-27		

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	06/05/25	06/05/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19199
(2) Prep QC Batch: MP41473

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB10@2.5-3.5'		
Lab Sample ID:	DA72466-17	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8260B	**Percent Solids:**	83.1
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V60799.D	1	05/27/25 23:01	MB	n/a	n/a	V6V2920
Run #2							

	Initial Weight	Final Volume
Run #1	5.43 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0011	0.00055	mg/kg	
100-41-4	Ethylbenzene	ND	0.0022	0.00055	mg/kg	
108-88-3	Toluene	ND	0.0022	0.0011	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0022	0.00066	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0022	0.00055	mg/kg	
	m,p-Xylene	ND	0.0022	0.0020	mg/kg	
95-47-6	o-Xylene	ND	0.0022	0.00078	mg/kg	
1330-20-7	Xylene (total)	ND	0.0022	0.0020	mg/kg	
	TPH-GRO (C6-C10)	ND	0.22	0.11	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	117%		70-130%
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	97%		70-130%
17060-07-0	1,2-Dichloroethane-D4	117%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB10@2.5-3.5'		
Lab Sample ID:	DA72466-17	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	83.1
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G57287.D	1	05/27/25 01:10	TH	05/25/25 10:00	OP27747	E3G2798
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	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.0045	0.0023	mg/kg	
120-12-7	Anthracene	ND	0.0045	0.0023	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0057	0.0034	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.0045	0.0023	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.0045	0.0023	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0045	0.0023	mg/kg	
218-01-9	Chrysene	ND	0.0045	0.0023	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0045	0.0023	mg/kg	
206-44-0	Fluoranthene	ND	0.0045	0.0023	mg/kg	
86-73-7	Fluorene	ND	0.0045	0.0023	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0045	0.0023	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.0045	0.0023	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0045	0.0023	mg/kg	
91-20-3	Naphthalene	ND	0.0023	0.0017	mg/kg	
129-00-0	Pyrene	ND	0.0045	0.0023	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	50%		10-130%
4165-60-0	Nitrobenzene-d5	77% [a]		10-130%
1718-51-0	Terphenyl-d14	64%		10-130%

(a) Associated CCV outside control limits biased high. Sample result meets acceptable criteria.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB10@2.5-3.5'		
Lab Sample ID:	DA72466-17	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	83.1
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW42906.D	1	05/23/25 00:05	JB	05/21/25 10:00	OP27728	GLW1006
Run #2							

	Initial Weight	Final Volume
Run #1	5.7 g	10.0 ml
Run #2		

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	4.2	4.0	mg/kg	
	TPH-ORO (> C28-C36)	ND	6.3	5.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		20-155%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB10@2.5-3.5'		
Lab Sample ID:	DA72466-17	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	83.1
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.1	0.12	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	111	1.2	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.28	0.061	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	13.0	1.2	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	12.4	0.31	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	10.3	1.2	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	0.39	0.25	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.061	0.061	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	52.5	6.1	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19158
(2) Prep QC Batch: MP41327

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB10@2.5-3.5'		
Lab Sample ID:	DA72466-17	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	83.1
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	83.1		%	1	05/21/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	7.79		su	1	05/27/25 13:46	MB	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	3.9	0.0010	mmhos/cm	1	05/29/25	DW	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.50	0.50	mg/kg	1	06/01/25 17:31	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB10@2.5-3.5'		
Lab Sample ID:	DA72466-17A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	83.1
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	129	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	97.0	2.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	476	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19181
(2) Prep QC Batch: MP41419

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB10@2.5-3.5'		
Lab Sample ID:	DA72466-17A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	83.1
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	7.71		ratio	1	06/02/25 22:13	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:	SB10@2.5-3.5'		
Lab Sample ID:	DA72466-17B	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	83.1
Project:	TASMCOA: Herbster F35-27		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	1.02	0.50	mg/l	1	06/05/25	06/05/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19199
(2) Prep QC Batch: MP41473

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB11@2.5-3.5'		
Lab Sample ID:	DA72466-18	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8260B	**Percent Solids:**	87.4
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V60800.D	1	05/27/25 23:23	MB	n/a	n/a	V6V2920
Run #2							

	Initial Weight	Final Volume
Run #1	5.30 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0011	0.00054	mg/kg	
100-41-4	Ethylbenzene	ND	0.0022	0.00054	mg/kg	
108-88-3	Toluene	ND	0.0022	0.0011	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0022	0.00065	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0022	0.00054	mg/kg	
	m,p-Xylene	ND	0.0022	0.0019	mg/kg	
95-47-6	o-Xylene	ND	0.0022	0.00076	mg/kg	
1330-20-7	Xylene (total)	ND	0.0022	0.0019	mg/kg	
	TPH-GRO (C6-C10)	ND	0.22	0.11	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	116%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	95%		70-130%
17060-07-0	1,2-Dichloroethane-D4	106%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB11@2.5-3.5'		
Lab Sample ID:	DA72466-18	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	87.4
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G57279.D	1	05/26/25 21:36	TH	05/25/25 10:00	OP27747	E3G2798
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	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.0043	0.0022	mg/kg	
120-12-7	Anthracene	ND	0.0043	0.0022	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0054	0.0032	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.0043	0.0022	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.0043	0.0022	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0043	0.0022	mg/kg	
218-01-9	Chrysene	ND	0.0043	0.0022	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0043	0.0022	mg/kg	
206-44-0	Fluoranthene	ND	0.0043	0.0022	mg/kg	
86-73-7	Fluorene	ND	0.0043	0.0022	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0043	0.0022	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.0043	0.0022	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0043	0.0022	mg/kg	
91-20-3	Naphthalene	ND	0.0022	0.0016	mg/kg	
129-00-0	Pyrene	ND	0.0043	0.0022	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	64%		10-130%
4165-60-0	Nitrobenzene-d5	85% [a]		10-130%
1718-51-0	Terphenyl-d14	79%		10-130%

(a) Associated CCV outside control limits biased high. Sample result meets acceptable criteria.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB11@2.5-3.5'		
Lab Sample ID:	DA72466-18	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	87.4
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW42907.D	1	05/23/25 00:18	JB	05/21/25 10:00	OP27728	GLW1006
Run #2							

	Initial Weight	Final Volume
Run #1	5.5 g	10.0 ml
Run #2		

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	4.1	3.9	mg/kg	
	TPH-ORO (> C28-C36)	9.27	6.2	5.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		20-155%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB11@2.5-3.5'		
Lab Sample ID:	DA72466-18	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	87.4
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.0	0.11	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	24.6	1.1	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	< 0.056	0.056	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	2.5	1.1	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	3.9	0.28	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	2.8	1.1	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.22	0.22	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.056	0.056	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	12.3	5.6	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19158
(2) Prep QC Batch: MP41327

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	SB11@2.5-3.5'		
Lab Sample ID:	DA72466-18	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	87.4
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	87.4		%	1	05/21/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	8.03		su	1	05/24/25 13:00	MB	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	1.9	0.0010	mmhos/cm	1	05/29/25	DW	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.44	0.44	mg/kg	1	06/01/25 17:47	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB11@2.5-3.5'		
Lab Sample ID:	DA72466-18A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	87.4
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	65.8	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	40.3	2.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	218	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19181
(2) Prep QC Batch: MP41419

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB11@2.5-3.5'		
Lab Sample ID:	DA72466-18A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	87.4
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	5.22		ratio	1	06/02/25 22:16	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:	SB11@2.5-3.5'		
Lab Sample ID:	DA72466-18B	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	87.4
Project:	TASMCOA: Herbster F35-27		

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	06/05/25	06/05/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19199
(2) Prep QC Batch: MP41473

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB12@2.5-3.5'		
Lab Sample ID:	DA72466-19	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8260B	**Percent Solids:**	80.8
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V60801.D	1	05/27/25 23:45	MB	n/a	n/a	V6V2920
Run #2							

	Initial Weight	Final Volume
Run #1	5.33 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0012	0.00058	mg/kg	
100-41-4	Ethylbenzene	ND	0.0023	0.00058	mg/kg	
108-88-3	Toluene	ND	0.0023	0.0012	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0023	0.00070	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0023	0.00058	mg/kg	
	m,p-Xylene	ND	0.0023	0.0021	mg/kg	
95-47-6	o-Xylene	ND	0.0023	0.00081	mg/kg	
1330-20-7	Xylene (total)	ND	0.0023	0.0021	mg/kg	
	TPH-GRO (C6-C10)	ND	0.23	0.12	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	115%		70-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%
17060-07-0	1,2-Dichloroethane-D4	118%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB12@2.5-3.5'		
Lab Sample ID:	DA72466-19	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	80.8
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3G57312.D	1	05/27/25 21:00	TH	05/25/25 10:00	OP27747	E3G2799
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	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.0049	0.0024	mg/kg	
120-12-7	Anthracene	ND	0.0049	0.0024	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0061	0.0036	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.0049	0.0024	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.0049	0.0024	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0049	0.0024	mg/kg	
218-01-9	Chrysene	ND	0.0049	0.0024	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0049	0.0024	mg/kg	
206-44-0	Fluoranthene	ND	0.0049	0.0024	mg/kg	
86-73-7	Fluorene	ND	0.0049	0.0024	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0049	0.0024	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.0049	0.0024	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0049	0.0024	mg/kg	
91-20-3	Naphthalene	ND	0.0024	0.0018	mg/kg	
129-00-0	Pyrene	ND	0.0049	0.0024	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	46%		10-130%
4165-60-0	Nitrobenzene-d5	84%		10-130%
1718-51-0	Terphenyl-d14	58%		10-130%

(a) Dilution required due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB12@2.5-3.5'		
Lab Sample ID:	DA72466-19	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	80.8
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW42908.D	1	05/23/25 00:32	JB	05/21/25 10:00	OP27728	GLW1006
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	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	4.9	4.6	mg/kg	
	TPH-ORO (> C28-C36)	ND	7.3	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	98%		20-155%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB12@2.5-3.5'		
Lab Sample ID:	DA72466-19	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	80.8
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.4	0.12	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	121	1.2	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.32	0.061	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	15.1	1.2	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	15.2	0.30	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	12.1	1.2	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	0.32	0.24	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	0.066	0.061	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	63.4	6.1	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19158
(2) Prep QC Batch: MP41327

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	SB12@2.5-3.5'		
Lab Sample ID:	DA72466-19	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	80.8
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	80.8		%	1	05/21/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	8.42		su	1	05/24/25 13:00	MB	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.64	0.0010	mmhos/cm	1	05/29/25	DW	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.51	0.51	mg/kg	1	06/01/25 18:27	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB12@2.5-3.5'		
Lab Sample ID:	DA72466-19A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	80.8
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	57.4	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	37.4	2.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	177	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19181
(2) Prep QC Batch: MP41419

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB12@2.5-3.5'		
Lab Sample ID:	DA72466-19A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	80.8
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	4.47		ratio	1	06/02/25 22:19	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:	SB12@2.5-3.5'		
Lab Sample ID:	DA72466-19B	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	80.8
Project:	TASMCOA: Herbster F35-27		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	0.823	0.50	mg/l	1	06/05/25	06/05/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19199
(2) Prep QC Batch: MP41473

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB13@2.5-3.5'		
Lab Sample ID:	DA72466-20	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8260B	**Percent Solids:**	88.9
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V60802.D	1	05/28/25 00:07	MB	n/a	n/a	V6V2920
Run #2							

	Initial Weight	Final Volume
Run #1	5.38 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00052	mg/kg	
100-41-4	Ethylbenzene	ND	0.0021	0.00052	mg/kg	
108-88-3	Toluene	ND	0.0021	0.0010	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0021	0.00063	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0021	0.00052	mg/kg	
	m,p-Xylene	ND	0.0021	0.0019	mg/kg	
95-47-6	o-Xylene	ND	0.0021	0.00073	mg/kg	
1330-20-7	Xylene (total)	ND	0.0021	0.0019	mg/kg	
	TPH-GRO (C6-C10)	ND	0.21	0.10	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%		70-130%
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	86%		70-130%
17060-07-0	1,2-Dichloroethane-D4	112%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB13@2.5-3.5'		
Lab Sample ID:	DA72466-20	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	88.9
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G57269.D	1	05/26/25 17:08	TH	05/25/25 10:00	OP27747	E3G2798
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	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.0043	0.0022	mg/kg	
120-12-7	Anthracene	ND	0.0043	0.0022	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0054	0.0032	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.0043	0.0022	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.0043	0.0022	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0043	0.0022	mg/kg	
218-01-9	Chrysene	ND	0.0043	0.0022	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0043	0.0022	mg/kg	
206-44-0	Fluoranthene	ND	0.0043	0.0022	mg/kg	
86-73-7	Fluorene	ND	0.0043	0.0022	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0043	0.0022	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.0043	0.0022	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0043	0.0022	mg/kg	
91-20-3	Naphthalene	ND	0.0022	0.0016	mg/kg	
129-00-0	Pyrene	ND	0.0043	0.0022	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	58%		10-130%
4165-60-0	Nitrobenzene-d5	67% [a]		10-130%
1718-51-0	Terphenyl-d14	87%		10-130%

(a) Associated CCV outside control limits biased high. Sample result meets acceptable criteria.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB13@2.5-3.5'		
Lab Sample ID:	DA72466-20	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	88.9
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW42922.D	1	05/23/25 03:43	JB	05/21/25 10:00	OP27729	GLW1006
Run #2							

	Initial Weight	Final Volume
Run #1	5.9 g	10.0 ml
Run #2		

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	3.8	3.7	mg/kg	
	TPH-ORO (> C28-C36)	ND	5.8	4.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		20-155%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB13@2.5-3.5'		
Lab Sample ID:	DA72466-20	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	88.9
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.60	0.11	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	20.4	1.1	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	< 0.056	0.056	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	1.9	1.1	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	2.5	0.28	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	2.0	1.1	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.22	0.22	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.056	0.056	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	8.5	5.6	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19158
(2) Prep QC Batch: MP41327

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB13@2.5-3.5'		
Lab Sample ID:	DA72466-20	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	88.9
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	88.9		%	1	05/21/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	8.23		su	1	05/24/25 13:00	MB	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.82	0.0010	mmhos/cm	1	05/29/25	DW	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.44	0.44	mg/kg	1	06/01/25 18:35	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	SB13@2.5-3.5'		
Lab Sample ID:	DA72466-20A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	88.9
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	69.6	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	41.1	2.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	250	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19181
(2) Prep QC Batch: MP41419

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB13@2.5-3.5'		
Lab Sample ID:	DA72466-20A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	88.9
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	5.87		ratio	1	06/02/25 22:22	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:	SB13@2.5-3.5'		
Lab Sample ID:	DA72466-20B	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	88.9
Project:	TASMCOA: Herbster F35-27		

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	06/05/25	06/05/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19199
(2) Prep QC Batch: MP41473

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB07@5-6'		
Lab Sample ID:	DA72466-21	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8260B	**Percent Solids:**	84.5
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V60803.D	1	05/28/25 00:29	MB	n/a	n/a	V6V2920
Run #2							

	Initial Weight	Final Volume
Run #1	5.12 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0012	0.00058	mg/kg	
100-41-4	Ethylbenzene	ND	0.0023	0.00058	mg/kg	
108-88-3	Toluene	ND	0.0023	0.0012	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0023	0.00069	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0023	0.00058	mg/kg	
	m,p-Xylene	ND	0.0023	0.0021	mg/kg	
95-47-6	o-Xylene	ND	0.0023	0.00081	mg/kg	
1330-20-7	Xylene (total)	ND	0.0023	0.0021	mg/kg	
	TPH-GRO (C6-C10)	ND	0.23	0.12	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	117%		70-130%
2037-26-5	Toluene-D8	97%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%
17060-07-0	1,2-Dichloroethane-D4	107%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB07@5-6'		
Lab Sample ID:	DA72466-21	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	84.5
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G57270.D	1	05/26/25 17:35	TH	05/25/25 10:00	OP27747	E3G2798
Run #2							

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

COGCC Table 915-1 PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.0047	0.0024	mg/kg	
120-12-7	Anthracene	ND	0.0047	0.0024	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0059	0.0036	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.0047	0.0024	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.0047	0.0024	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0047	0.0024	mg/kg	
218-01-9	Chrysene	ND	0.0047	0.0024	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0047	0.0024	mg/kg	
206-44-0	Fluoranthene	ND	0.0047	0.0024	mg/kg	
86-73-7	Fluorene	ND	0.0047	0.0024	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0047	0.0024	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.0047	0.0024	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0047	0.0024	mg/kg	
91-20-3	Naphthalene	ND	0.0024	0.0018	mg/kg	
129-00-0	Pyrene	ND	0.0047	0.0024	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	42%		10-130%
4165-60-0	Nitrobenzene-d5	86% [a]		10-130%
1718-51-0	Terphenyl-d14	74%		10-130%

(a) Associated CCV outside control limits biased high. Sample result meets acceptable criteria.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB07@5-6'		
Lab Sample ID:	DA72466-21	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	84.5
Project:	TASMCOA: Herbster F35-27		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW42923.D	1	05/23/25 03:57	JB	05/21/25 10:00	OP27729	GLW1006
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	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	4.7	4.4	mg/kg	
	TPH-ORO (> C28-C36)	ND	7.0	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		20-155%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB07@5-6'		
Lab Sample ID:	DA72466-21	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	84.5
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.0	0.12	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	111	1.2	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.30	0.060	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	11.8	1.2	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	14.0	0.30	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	10.5	1.2	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	0.30	0.24	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.060	0.060	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	50.5	6.0	mg/kg	5	05/21/25	05/29/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19158
(2) Prep QC Batch: MP41327

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB07@5-6'		
Lab Sample ID:	DA72466-21	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	84.5
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	84.5		%	1	05/21/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	7.99		su	1	05/24/25 13:00	MB	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	1.3	0.0010	mmhos/cm	1	05/29/25	DW	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.48	0.48	mg/kg	1	06/01/25 18:58	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB07@5-6'		
Lab Sample ID:	DA72466-21A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	84.5
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	98.4	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	44.8	2.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	24.9	4.0	mg/l	1	05/30/25	06/02/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19181
(2) Prep QC Batch: MP41420

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB07@5-6'		
Lab Sample ID:	DA72466-21A	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	84.5
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.522		ratio	1	06/02/25 22:36	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:	SB07@5-6'		
Lab Sample ID:	DA72466-21B	**Date Sampled:**	05/20/25
Matrix:	SO - Soil	**Date Received:**	05/20/25
		Percent Solids:	84.5
Project:	TASMCOA: Herbster F35-27		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	0.900	0.50	mg/l	1	06/05/25	06/05/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19199
(2) Prep QC Batch: MP41474

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 2

Bottle Order Control #:
FED-EX Tracking #:
SGS Quote #:
SGS Job #: DA 72466

Client / Reporting Information

Company: Tasman, Inc.
Street: 4725 Independence St.
City, State ZIP: Wheat Ridge, CO 80033
Project Contact: ~~Eric Vonde~~ Mike Medina
Phone: (303) 487-1228
Email: tas-chevron@tasman-geo.com / rbueuf27@chevron.com / dangeterson@chevron.com
Sampler(s) Name(s): Wiss Sides

Project Information

Project Name: Herbster F35 27
Check Box if Project Report to Division of Oil and Public Safety (OPS): ☐
Street:
City, State ZIP:
Project #: 3035
Client Purchase Order #:
Project Manager: ~~Eric Vonde~~ Mike Medina

Billing Information (if different from Report to)

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

Requested Analysis (see TEST CODE sheet)

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

Field ID / Point of Collection	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: NONE	HCl	NaOH	HNO3	H2SO4	DI Water	MeOH	ENCORE	Na2S2O3	NaHSO3	Metals - 915 (TR)	VOCs - 915	TPH - 915	PAHs - 915	pH, EC, SAR, boron	TDS, Cl, SO4	Hold	LAB USE ONLY
SB01 @ 0.5-1.5'	5.20.25	11:35	WS	Soil	3	X										X	X	X	X	X			01
SB01 @ 1.5-2.5'		11:37																					02
SB02 @ 5-6'		12:00																					03
SB02 @ 6-7'		12:02																					04
SB03 @ 2-3'		11:45																					05
SB04 @ 0.5-1.5'		13:20																					06
SB04 @ 5-6'		13:22																					07
SB05 @ 0.5-1.5'		12:15																					08
SB05 @ 5-6'		12:17																					09
SB06 @ 0.5-1.5'		12:25																					10
SB06 @ 5-6'		12:27																					11
SB07 @ 0.5-1.5'	↓	14:00	↓	↓	↓	↓										↓	↓	↓	↓	↓			12

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: Tesmail

Comments / Special Instructions

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

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

Relinquished by Sampler/Affiliation: 1	Date/Time: 5.20.25 11:50	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): 4.4 Therm. ID: IR6 On Ice ☐

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

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

4.1 4

DA72466: Chain of Custody
Page 1 of 3

CHAIN OF CUSTODY

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

Bottle Order Control #:
FED-EX Tracking #:
SGS Quote #:
SGS Job #: DA72466

Client / Reporting Information

Company: Tasman, Inc.
Street: 4725 Independence St.
City, State ZIP: Wheat Ridge, CO 80033
Project Contact: ~~Eric Vonde~~ Mike Medina
Phone: (303) 487-1228
Email: tas-chevron@tasman-geo.com / rbueuf27@chevron.com / danpeterson@chevron.com
Sampler(s) Name(s): Mike Medina

Project Information

Project Name: Herbster P35-27
Check Box if Project Report to Division of Oil and Public Safety (OPS): ☐
Street:
City, State ZIP:
Project #: 3035
Client Purchase Order #:
Project Manager: Mike Medina ~~Eric Vonde~~

Billing Information (if different from Report to)

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

Requested Analysis (see TEST CODE sheet)

Field ID / Point of Collection	Collection: Date	Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: NONE	HCl	NaOH	HNO3	H2SO4	DI Water	MeOH	ENCORE	Na2S2O3	Na2SO3	Metals - 915 (TR)	VOCs - 915	TPH - 916	PAHs - 915	pH, EC, SAR, boron	TDS, Cl, SO4	Hold	LAB USE ONLY
SB08 @ 25-35'	5.20.25	11:30	US	Soil	3	X										X	X	X	X	X			13
SB08 @ 32.5-45'		11:32																					14
SB09 @ 25-35'		10:45																					15
SB09 @ 45-55'		10:47																					16
SB10 @ 25-35'		11:20																					17
SB11 @ 25-35'		11:40																					18
SB12 @ 25-35'		10:55																					19
SB13 @ 25-35'		11:10																					20
SB07 @ 5-6'		14:02																					21

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)

- [X] 10 Business Days
- [ ] 6 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
- [X] EDD Format Tasman

Comments / Special Instructions

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

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

Relinquished by Sampler/Affiliation:	Date/Time:	Received By/Affiliation: 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): 4.0 Therm. ID: TR On Ice ☐

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

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

SGS Sample Receipt Summary

Job Number: da72466 **Client:** TASMAN **Project:** HERBSTER F35-27

Date / Time Received: 5/20/2025 4:50:00 PM **Delivery Method:** hd **Airbill #'s:**

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

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

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

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

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

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles:	☑		☐	
2. Samples presented properly	☑		☐	
3. 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: 5/20/2025 4:49:31 PM Reviewer: Date:

MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: DA72466
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V4386-MB	5V90793.D	1	05/27/25	MB	n/a	n/a	V5V4386

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

DA72466-1

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.50	ug/kg	
108-88-3	Toluene	ND	2.0	1.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.60	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.50	ug/kg	
	m,p-Xylene	ND	2.0	1.8	ug/kg	
95-47-6	o-Xylene	ND	2.0	0.70	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	1.8	ug/kg	
	TPH-GRO (C6-C10)	ND	200	100	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	70-130%
2037-26-5	Toluene-D8	98%	70-130%
460-00-4	4-Bromofluorobenzene	100%	70-130%
17060-07-0	1,2-Dichloroethane-D4	107%	70-130%

Method Blank Summary

Job Number: DA72466
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6V2920-MB	6V60778.D	1	05/27/25	MB	n/a	n/a	V6V2920

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

DA72466-2, DA72466-3, DA72466-4, DA72466-5, DA72466-6, DA72466-7, DA72466-8, DA72466-9, DA72466-10, DA72466-11, DA72466-12, DA72466-13, DA72466-14, DA72466-15, DA72466-16, DA72466-17, DA72466-18, DA72466-19, DA72466-20, DA72466-21

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.50	ug/kg	
108-88-3	Toluene	ND	2.0	1.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.60	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.50	ug/kg	
	m,p-Xylene	ND	2.0	1.8	ug/kg	
95-47-6	o-Xylene	ND	2.0	0.70	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	1.8	ug/kg	
	TPH-GRO (C6-C10)	ND	200	100	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	107%	70-130%
2037-26-5	Toluene-D8	97%	70-130%
460-00-4	4-Bromofluorobenzene	98%	70-130%
17060-07-0	1,2-Dichloroethane-D4	111%	70-130%

Blank Spike Summary

Job Number: DA72466
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V4386-BS	5V90790.D	1	05/27/25	MB	n/a	n/a	V5V4386

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

DA72466-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	54.7	109	70-130
100-41-4	Ethylbenzene	50	53.8	108	70-130
108-88-3	Toluene	50	53.6	107	70-130
95-63-6	1,2,4-Trimethylbenzene	50	55.2	110	70-130
108-67-8	1,3,5-Trimethylbenzene	50	55.9	112	70-130
	m,p-Xylene	100	105	105	70-130
95-47-6	o-Xylene	50	52.8	106	70-130
1330-20-7	Xylene (total)	150	158	105	70-130

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

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA72466
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6V2920-BS	6V60774.D	1	05/27/25	MB	n/a	n/a	V6V2920

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

DA72466-2, DA72466-3, DA72466-4, DA72466-5, DA72466-6, DA72466-7, DA72466-8, DA72466-9, DA72466-10, DA72466-11, DA72466-12, DA72466-13, DA72466-14, DA72466-15, DA72466-16, DA72466-17, DA72466-18, DA72466-19, DA72466-20, DA72466-21

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	44.9	90	70-130
100-41-4	Ethylbenzene	50	47.6	95	70-130
108-88-3	Toluene	50	47.8	96	70-130
95-63-6	1,2,4-Trimethylbenzene	50	50.1	100	70-130
108-67-8	1,3,5-Trimethylbenzene	50	50.9	102	70-130
	m,p-Xylene	100	98.9	99	70-130
95-47-6	o-Xylene	50	49.9	100	70-130
1330-20-7	Xylene (total)	150	149	99	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	70-130%
2037-26-5	Toluene-D8	101%	70-130%
460-00-4	4-Bromofluorobenzene	99%	70-130%
17060-07-0	1,2-Dichloroethane-D4	98%	70-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA72466
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V4386-BS	5V90791.D	1	05/27/25	MB	n/a	n/a	V5V4386

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

DA72466-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
	TPH-GRO (C6-C10)	2000	2020	101	50-200

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	70-130%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	100%	70-130%
17060-07-0	1,2-Dichloroethane-D4	102%	70-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA72466
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6V2920-BS	6V60776.D	1	05/27/25	MB	n/a	n/a	V6V2920

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

DA72466-2, DA72466-3, DA72466-4, DA72466-5, DA72466-6, DA72466-7, DA72466-8, DA72466-9, DA72466-10, DA72466-11, DA72466-12, DA72466-13, DA72466-14, DA72466-15, DA72466-16, DA72466-17, DA72466-18, DA72466-19, DA72466-20, DA72466-21

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
	TPH-GRO (C6-C10)	2000	2050	103	50-200

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	70-130%
2037-26-5	Toluene-D8	101%	70-130%
460-00-4	4-Bromofluorobenzene	102%	70-130%
17060-07-0	1,2-Dichloroethane-D4	99%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA72466
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA72461-1MS	5V90796.D	1	05/27/25	MB	n/a	n/a	V5V4386
DA72461-1MSD	5V90797.D	1	05/27/25	MB	n/a	n/a	V5V4386
DA72461-1	5V90794.D	1	05/27/25	MB	n/a	n/a	V5V4386

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

DA72466-1

CAS No.	Compound	DA72461-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		58.6	56.7	97	58.1	55.5	96	2	43-130/30
100-41-4	Ethylbenzene	ND		58.6	55.4	94	58.1	54.4	94	2	15-145/30
108-88-3	Toluene	ND		58.6	55.5	95	58.1	54.5	94	2	37-130/30
95-63-6	1,2,4-Trimethylbenzene	ND		58.6	57.3	98	58.1	55.0	95	4	5-177/30
108-67-8	1,3,5-Trimethylbenzene	ND		58.6	57.9	99	58.1	55.6	96	4	6-159/30
	m,p-Xylene	ND		117	109	93	116	107	92	2	21-142/30
95-47-6	o-Xylene	ND		58.6	55.1	94	58.1	53.9	93	2	25-140/30
1330-20-7	Xylene (total)	ND		176	164	93	174	161	92	2	17-142/30

CAS No.	Surrogate Recoveries	MS	MSD	DA72461-1	Limits
1868-53-7	Dibromofluoromethane	102%	104%	102%	70-130%
2037-26-5	Toluene-D8	99%	100%	99%	70-130%
460-00-4	4-Bromofluorobenzene	98%	98%	102%	70-130%
17060-07-0	1,2-Dichloroethane-D4	102%	100%	104%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA72466
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA72466-4MS	6V60784.D	1	05/27/25	MB	n/a	n/a	V6V2920
DA72466-4MSD	6V60782.D	1	05/27/25	MB	n/a	n/a	V6V2920
DA72466-4	6V60779.D	1	05/27/25	MB	n/a	n/a	V6V2920

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

DA72466-2, DA72466-3, DA72466-4, DA72466-5, DA72466-6, DA72466-7, DA72466-8, DA72466-9, DA72466-10, DA72466-11, DA72466-12, DA72466-13, DA72466-14, DA72466-15, DA72466-16, DA72466-17, DA72466-18, DA72466-19, DA72466-20, DA72466-21

CAS No.	Compound	DA72466-4 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		53.3	55.4	104	52	49.2	95	12	43-130/30
100-41-4	Ethylbenzene	ND		53.3	55.5	104	52	51.6	99	7	15-145/30
108-88-3	Toluene	ND		53.3	54.5	102	52	50.9	98	7	37-130/30
95-63-6	1,2,4-Trimethylbenzene	ND		53.3	62.1	116	52	53.5	103	15	5-177/30
108-67-8	1,3,5-Trimethylbenzene	ND		53.3	63.0	118	52	53.9	104	16	6-159/30
	m,p-Xylene	ND		107	115	108	104	107	103	7	21-142/30
95-47-6	o-Xylene	ND		53.3	58.7	110	52	55.1	106	6	25-140/30
1330-20-7	Xylene (total)	ND		160	174	109	156	162	104	7	17-142/30

CAS No.	Surrogate Recoveries	MS	MSD	DA72466-4	Limits
1868-53-7	Dibromofluoromethane	104%	108%	111%	70-130%
2037-26-5	Toluene-D8	100%	101%	101%	70-130%
460-00-4	4-Bromofluorobenzene	106%	100%	90%	70-130%
17060-07-0	1,2-Dichloroethane-D4	105%	101%	107%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA72466
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA72461-2MS	5V90798.D	1	05/27/25	MB	n/a	n/a	V5V4386
DA72461-2MSD	5V90799.D	1	05/27/25	MB	n/a	n/a	V5V4386
DA72461-2	5V90795.D	1	05/27/25	MB	n/a	n/a	V5V4386

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

DA72466-1

CAS No.	Compound	DA72461-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		2260	2050	91	2250	2100	93	2	5-200/30

CAS No.	Surrogate Recoveries	MS	MSD	DA72461-2	Limits
1868-53-7	Dibromofluoromethane	101%	101%	103%	70-130%
2037-26-5	Toluene-D8	97%	100%	98%	70-130%
460-00-4	4-Bromofluorobenzene	99%	98%	101%	70-130%
17060-07-0	1,2-Dichloroethane-D4	103%	102%	103%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA72466
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA72466-9MS	6V60783.D	1	05/27/25	MB	n/a	n/a	V6V2920
DA72466-9MSD	6V60785.D	1	05/27/25	MB	n/a	n/a	V6V2920
DA72466-9	6V60780.D	1	05/27/25	MB	n/a	n/a	V6V2920

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

DA72466-2, DA72466-3, DA72466-4, DA72466-5, DA72466-6, DA72466-7, DA72466-8, DA72466-9, DA72466-10, DA72466-11, DA72466-12, DA72466-13, DA72466-14, DA72466-15, DA72466-16, DA72466-17, DA72466-18, DA72466-19, DA72466-20, DA72466-21

CAS No.	Compound	DA72466-9 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		2040	1890	93	2120	1980	93	5	5-200/30

CAS No.	Surrogate Recoveries	MS	MSD	DA72466-9	Limits
1868-53-7	Dibromofluoromethane	101%	104%	110%	70-130%
2037-26-5	Toluene-D8	102%	101%	97%	70-130%
460-00-4	4-Bromofluorobenzene	101%	107%	98%	70-130%
17060-07-0	1,2-Dichloroethane-D4	104%	100%	108%	70-130%

* = Outside of Control Limits.

MS Semi-volatiles

6

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: DA72466
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27734-MB	7G001227.D	1	05/26/25	TH	05/24/25	OP27734	E7G49

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

DA72466-1, DA72466-2, DA72466-3, DA72466-4, DA72466-5, DA72466-6, DA72466-7, DA72466-8, DA72466-9, DA72466-10, DA72466-11, DA72466-12, DA72466-13, DA72466-14, DA72466-15, DA72466-16

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

CAS No.	Surrogate Recoveries		Limits
321-60-8	2-Fluorobiphenyl	96%	10-130%
4165-60-0	Nitrobenzene-d5	91%	10-130%
1718-51-0	Terphenyl-d14	118%	10-130%

Method Blank Summary

Job Number: DA72466
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27747-MB	3G57263.D	1	05/26/25	TH	05/25/25	OP27747	E3G2798

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

DA72466-17, DA72466-18, DA72466-19, DA72466-20, DA72466-21

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

CAS No.	Surrogate Recoveries		Limits
321-60-8	2-Fluorobiphenyl	85%	10-130%
4165-60-0	Nitrobenzene-d5	92%	10-130%
1718-51-0	Terphenyl-d14	104%	10-130%

Blank Spike Summary

Job Number: DA72466
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27734-BS	7G001228.D	1	05/26/25	TH	05/24/25	OP27734	E7G49

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

DA72466-1, DA72466-2, DA72466-3, DA72466-4, DA72466-5, DA72466-6, DA72466-7, DA72466-8, DA72466-9, DA72466-10, DA72466-11, DA72466-12, DA72466-13, DA72466-14, DA72466-15, DA72466-16

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
83-32-9	Acenaphthene	200	227	114	31-130
120-12-7	Anthracene	200	228	114	46-134
56-55-3	Benzo(a)anthracene	200	207	104	52-135
205-99-2	Benzo(b)fluoranthene	200	271	136	50-136
207-08-9	Benzo(k)fluoranthene	200	270	135* [a]	52-134
50-32-8	Benzo(a)pyrene	200	244	122	50-130
218-01-9	Chrysene	200	233	117	51-131
53-70-3	Dibenzo(a,h)anthracene	200	248	124	49-136
206-44-0	Fluoranthene	200	232	116	51-137
86-73-7	Fluorene	200	220	110	38-130
193-39-5	Indeno(1,2,3-cd)pyrene	200	252	126	50-139
90-12-0	1-Methylnaphthalene	200	222	111	18-130
91-57-6	2-Methylnaphthalene	200	222	111	16-130
91-20-3	Naphthalene	200	216	108	5-130
129-00-0	Pyrene	200	242	121	48-136

CAS No.	Surrogate Recoveries	BSP	Limits
321-60-8	2-Fluorobiphenyl	98%	10-130%
4165-60-0	Nitrobenzene-d5	97%	10-130%
1718-51-0	Terphenyl-d14	123%	10-130%

(a) Outside control limits biased high. Associated sample results may be biased high.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA72466
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27747-BS	3G57264.D	1	05/26/25	TH	05/25/25	OP27747	E3G2798

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

DA72466-17, DA72466-18, DA72466-19, DA72466-20, DA72466-21

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
83-32-9	Acenaphthene	200	196	98	31-130
120-12-7	Anthracene	200	206	103	46-134
56-55-3	Benzo(a)anthracene	200	196	98	52-135
205-99-2	Benzo(b)fluoranthene	200	202	101	50-136
207-08-9	Benzo(k)fluoranthene	200	209	105	52-134
50-32-8	Benzo(a)pyrene	200	197	99	50-130
218-01-9	Chrysene	200	196	98	51-131
53-70-3	Dibenzo(a,h)anthracene	200	169	85	49-136
206-44-0	Fluoranthene	200	207	104	51-137
86-73-7	Fluorene	200	202	101	38-130
193-39-5	Indeno(1,2,3-cd)pyrene	200	171	86	50-139
90-12-0	1-Methylnaphthalene	200	199	100	18-130
91-57-6	2-Methylnaphthalene	200	193	97	16-130
91-20-3	Naphthalene	200	194	97	5-130
129-00-0	Pyrene	200	209	105	48-136

CAS No.	Surrogate Recoveries	BSP	Limits
321-60-8	2-Fluorobiphenyl	88%	10-130%
4165-60-0	Nitrobenzene-d5	99%	10-130%
1718-51-0	Terphenyl-d14	98%	10-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA72466
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27734-MS	7G001229.D	1	05/26/25	TH	05/24/25	OP27734	E7G49
OP27734-MSD	7G001230.D	1	05/26/25	TH	05/24/25	OP27734	E7G49
DA72464-6	7G001247.D	1	05/26/25	TH	05/24/25	OP27734	E7G49

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

DA72466-1, DA72466-2, DA72466-3, DA72466-4, DA72466-5, DA72466-6, DA72466-7, DA72466-8, DA72466-9, DA72466-10, DA72466-11, DA72466-12, DA72466-13, DA72466-14, DA72466-15, DA72466-16

CAS No.	Compound	DA72464-6 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		245	296	121	240	248	103	18	12-130/52
120-12-7	Anthracene	ND		245	292	119	240	248	103	16	31-130/60
56-55-3	Benzo(a)anthracene	ND		245	286	117	240	245	102	15	34-130/60
205-99-2	Benzo(b)fluoranthene	ND		245	336	137	240	268	112	23	10-168/60
207-08-9	Benzo(k)fluoranthene	ND		245	344	141* [a]	240	290	121	17	30-130/60
50-32-8	Benzo(a)pyrene	ND		245	327	134	240	270	113	19	10-179/60
218-01-9	Chrysene	ND		245	312	127	240	260	108	18	34-130/60
53-70-3	Dibenzo(a,h)anthracene	ND		245	340	139* [a]	240	275	115	21	20-138/60
206-44-0	Fluoranthene	ND		245	302	123	240	265	110	13	32-130/60
86-73-7	Fluorene	ND		245	275	112	240	230	96	18	20-130/60
193-39-5	Indeno(1,2,3-cd)pyrene	ND		245	344	141	240	282	118	20	17-148/60
90-12-0	1-Methylnaphthalene	ND		245	268	109	240	229	95	16	10-130/41
91-57-6	2-Methylnaphthalene	ND		245	265	108	240	232	97	13	14-130/40
91-20-3	Naphthalene	ND		245	272	111	240	231	96	16	10-130/40
129-00-0	Pyrene	ND		245	325	133* [a]	240	276	115	16	31-130/60

CAS No.	Surrogate Recoveries	MS	MSD	DA72464-6	Limits
321-60-8	2-Fluorobiphenyl	91%	76%	78%	10-130%
4165-60-0	Nitrobenzene-d5	92%	73%	75%	10-130%
1718-51-0	Terphenyl-d14	120%	101%	90%	10-130%

(a) Outside control limits. Refer to Blank Spike.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA72466
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27747-MS	3G57265.D	1	05/26/25	TH	05/25/25	OP27747	E3G2798
OP27747-MSD	3G57266.D	1	05/26/25	TH	05/25/25	OP27747	E3G2798
DA72466-18	3G57279.D	1	05/26/25	TH	05/25/25	OP27747	E3G2798

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

DA72466-17, DA72466-18, DA72466-19, DA72466-20, DA72466-21

CAS No.	Compound	DA72466-18 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		224	217	97	220	202	92	7	12-130/52
120-12-7	Anthracene	ND		224	224	100	220	212	96	6	31-130/60
56-55-3	Benzo(a)anthracene	ND		224	221	99	220	212	96	4	34-130/60
205-99-2	Benzo(b)fluoranthene	ND		224	239	107	220	222	101	7	10-168/60
207-08-9	Benzo(k)fluoranthene	ND		224	229	102	220	227	103	1	30-130/60
50-32-8	Benzo(a)pyrene	ND		224	228	102	220	221	100	3	10-179/60
218-01-9	Chrysene	ND		224	219	98	220	213	97	3	34-130/60
53-70-3	Dibenzo(a,h)anthracene	ND		224	195	87	220	190	86	3	20-138/60
206-44-0	Fluoranthene	ND		224	228	102	220	217	99	5	32-130/60
86-73-7	Fluorene	ND		224	216	96	220	204	93	6	20-130/60
193-39-5	Indeno(1,2,3-cd)pyrene	ND		224	200	89	220	191	87	5	17-148/60
90-12-0	1-Methylnaphthalene	ND		224	216	96	220	217	99	0	10-130/41
91-57-6	2-Methylnaphthalene	ND		224	210	94	220	195	89	7	14-130/40
91-20-3	Naphthalene	ND		224	195	87	220	192	87	2	10-130/40
129-00-0	Pyrene	ND		224	240	107	220	226	103	6	31-130/60

CAS No.	Surrogate Recoveries	MS	MSD	DA72466-18	Limits
321-60-8	2-Fluorobiphenyl	89%	83%	64%	10-130%
4165-60-0	Nitrobenzene-d5	100%	91%	85% [a]	10-130%
1718-51-0	Terphenyl-d14	94%	94%	79%	10-130%

(a) Associated CCV outside control limits biased high. Sample result meets acceptable criteria.

* = 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: DA72466
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27728-MB	LW42883.D	1	05/22/25	JB	05/21/25	OP27728	GLW1006

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

DA72466-1, DA72466-2, DA72466-3, DA72466-4, DA72466-5, DA72466-6, DA72466-7, DA72466-8, DA72466-9, DA72466-10, DA72466-11, DA72466-12, DA72466-13, DA72466-14, DA72466-15, DA72466-16, DA72466-17, DA72466-18, DA72466-19

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

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	76%	20-155%

Method Blank Summary

Job Number: DA72466
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27729-MB	LW42915.D	1	05/23/25	JB	05/21/25	OP27729	GLW1006

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

DA72466-20, DA72466-21

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

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	82%	20-155%

Blank Spike Summary

Job Number: DA72466
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27728-BS	LW42884.D	1	05/22/25	JB	05/21/25	OP27728	GLW1006

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

DA72466-1, DA72466-2, DA72466-3, DA72466-4, DA72466-5, DA72466-6, DA72466-7, DA72466-8, DA72466-9, DA72466-10, DA72466-11, DA72466-12, DA72466-13, DA72466-14, DA72466-15, DA72466-16, DA72466-17, DA72466-18, DA72466-19

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	200	168	84	41-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	76%	20-155%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA72466
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27728-BS2	LW42885.D	1	05/22/25	JB	05/21/25	OP27728	GLW1006

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

DA72466-1, DA72466-2, DA72466-3, DA72466-4, DA72466-5, DA72466-6, DA72466-7, DA72466-8, DA72466-9, DA72466-10, DA72466-11, DA72466-12, DA72466-13, DA72466-14, DA72466-15, DA72466-16, DA72466-17, DA72466-18, DA72466-19

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-ORO (> C28-C36)	200	185	93	43-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	93%	20-155%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA72466
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27729-BS	LW42916.D	1	05/23/25	JB	05/21/25	OP27729	GLW1006

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

DA72466-20, DA72466-21

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	200	169	85	41-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	81%	20-155%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA72466
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27729-BS2	LW42917.D	1	05/23/25	JB	05/21/25	OP27729	GLW1006

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

DA72466-20, DA72466-21

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-ORO (> C28-C36)	200	203	102	43-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	104%	20-155%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA72466
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27728-MS2	LW42909.D	1	05/23/25	JB	05/21/25	OP27728	GLW1006
OP27728-MSD2	LW42910.D	1	05/23/25	JB	05/21/25	OP27728	GLW1006
DA72466-1	LW42887.D	1	05/22/25	JB	05/21/25	OP27728	GLW1006

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

DA72466-1, DA72466-2, DA72466-3, DA72466-4, DA72466-5, DA72466-6, DA72466-7, DA72466-8, DA72466-9, DA72466-10, DA72466-11, DA72466-12, DA72466-13, DA72466-14, DA72466-15, DA72466-16, DA72466-17, DA72466-18, DA72466-19

CAS No.	Compound	DA72466-1 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)	ND		241	208	86	219	212	97	2	10-170/30

CAS No.	Surrogate Recoveries	MS	MSD	DA72466-1	Limits
84-15-1	o-Terphenyl	86%	73%	68%	20-155%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA72466
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27728-MS1	LW42911.D	1	05/23/25	JB	05/21/25	OP27728	GLW1006
OP27728-MSD1	LW42912.D	1	05/23/25	JB	05/21/25	OP27728	GLW1006
DA72465-1	LW42886.D	1	05/22/25	JB	05/21/25	OP27728	GLW1006

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

DA72466-1, DA72466-2, DA72466-3, DA72466-4, DA72466-5, DA72466-6, DA72466-7, DA72466-8, DA72466-9, DA72466-10, DA72466-11, DA72466-12, DA72466-13, DA72466-14, DA72466-15, DA72466-16, DA72466-17, DA72466-18, DA72466-19

CAS No.	Compound	DA72465-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	ND		223	187	84	232	186	80	1	10-160/30

CAS No.	Surrogate Recoveries	MS	MSD	DA72465-1	Limits
84-15-1	o-Terphenyl	82%	79%	59%	20-155%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA72466
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27729-MS1	LW42918.D	1	05/23/25	JB	05/21/25	OP27729	GLW1006
OP27729-MSD1	LW42919.D	1	05/23/25	JB	05/21/25	OP27729	GLW1006
DA72466-20	LW42922.D	1	05/23/25	JB	05/21/25	OP27729	GLW1006

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

DA72466-20, DA72466-21

CAS No.	Compound	DA72466-20 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	ND		215	176	82	221	180	82	2	10-160/30

CAS No.	Surrogate Recoveries	MS	MSD	DA72466-20	Limits
84-15-1	o-Terphenyl	79%	79%	81%	20-155%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA72466
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27729-MS2	LW42920.D	1	05/23/25	JB	05/21/25	OP27729	GLW1006
OP27729-MSD2	LW42921.D	1	05/23/25	JB	05/21/25	OP27729	GLW1006
DA72466-21	LW42923.D	1	05/23/25	JB	05/21/25	OP27729	GLW1006

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

DA72466-20, DA72466-21

CAS No.	Compound	DA72466-21 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)	ND		229	240	105	216	181	84	28	10-170/30

CAS No.	Surrogate Recoveries	MS	MSD	DA72466-21	Limits
84-15-1	o-Terphenyl	80%	72%	76%	20-155%

* = 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: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41326 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 05/21/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	25	.26	2.5		
Antimony	0.20	.005	.025		
Arsenic	0.10	.025	.025	0.041	<0.10
Barium	1.0	.048	.12	0.099	<1.0
Beryllium	0.10	.038	.02		
Boron	20	9.1	3		
Cadmium	0.050	.015	.01	0.012	<0.050
Calcium	200	13	15		
Chromium	1.0	.043	.3		
Cobalt	0.10	.02	.013		
Copper	1.0	.025	.13	0.12	<1.0
Iron	10	.8	7.5		
Lead	0.25	.047	.1	0.025	<0.25
Magnesium	50	5	5		
Manganese	0.50	.04	.1		
Molybdenum	0.50	.019	.14		
Nickel	1.0	.049	.1	0.062	<1.0
Phosphorus	30	3.8	5		
Potassium	100	1	13		
Selenium	0.20	.025	.025	0.029	<0.20
Silver	0.050	.0041	.015	0.028	* (a)
Sodium	250	5	15		
Strontium	10	.05	.5		
Thallium	0.10	.016	.02		
Tin	5.0	.11	2		
Titanium	1.0	.025	.15		
Uranium	0.10	.0074	.05		
Vanadium	0.50	.071	.1		
Zinc	5.0	.025	.5	0.34	<5.0

Associated samples MP41326: DA72466-1, DA72466-2, DA72466-3, DA72466-4, DA72466-5, DA72466-6, DA72466-7, DA72466-8, DA72466-9, DA72466-10, DA72466-11, DA72466-12, DA72466-13, DA72466-14

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Element detected in the MB greater than 1/2 the reporting limit. Reported samples are ND, 10x the result of the MB or below project screening limits.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41326 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 05/21/25

Metal	DA72450-31 Original	MS	Spikelot ICPMS5	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	2.3	88.6	104	83.1	75-125
Barium	128	287	208	76.6	75-125
Beryllium					
Boron					
Cadmium	0.57	51.7	51.9	98.5	75-125
Calcium					
Chromium					
Cobalt					
Copper	14.5	54.7	51.9	77.4	75-125
Iron					
Lead	14.9	122	104	103.2	75-125
Magnesium					
Manganese					
Molybdenum					
Nickel	19.8	58.6	51.9	74.7N(a)	75-125
Phosphorus					
Potassium					
Selenium	0.35	86.1	104	82.6	75-125
Silver	0.058	20.3	20.8	97.5	75-125
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc	56.7	92.9	51.9	69.7N(a)	75-125

Associated samples MP41326: DA72466-1, DA72466-2, DA72466-3, DA72466-4, DA72466-5, DA72466-6, DA72466-7, DA72466-8, DA72466-9, DA72466-10, DA72466-11, DA72466-12, DA72466-13, DA72466-14

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.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41326 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 05/21/25

Metal	DA72450-31 Original	MSD	Spikelot ICPMS5	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	2.3	86.8	99.6	84.9	2.1	20
Barium	128	246	199	59.3N(a)	15.4	20
Beryllium						
Boron						
Cadmium	0.57	49.9	49.8	99.1	3.5	20
Calcium						
Chromium						
Cobalt						
Copper	14.5	54.5	49.8	80.4	0.4	20
Iron						
Lead	14.9	115	99.6	100.5	5.9	20
Magnesium						
Manganese						
Molybdenum						
Nickel	19.8	53.1	49.8	66.9N(a)	9.8	20
Phosphorus						
Potassium						
Selenium	0.35	83.2	99.6	83.2	3.4	20
Silver	0.058	19.7	19.9	98.6	3.0	20
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc	56.7	91.7	49.8	70.3N(a)	1.3	20

Associated samples MP41326: DA72466-1, DA72466-2, DA72466-3, DA72466-4, DA72466-5, DA72466-6, DA72466-7, DA72466-8, DA72466-9, DA72466-10, DA72466-11, DA72466-12, DA72466-13, DA72466-14

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41326
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 05/21/25

Metal	BSP Result	Spikelot ICPMS5	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	97.8	100	97.8	80-120
Barium	194	200	97.0	80-120
Beryllium				
Boron				
Cadmium	51.3	50	102.6	80-120
Calcium				
Chromium				
Cobalt				
Copper	49.4	50	98.8	80-120
Iron				
Lead	103	100	103.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel	48.3	50	96.6	80-120
Phosphorus				
Potassium				
Selenium	95.6	100	95.6	80-120
Silver	20.5	20	102.5	80-120
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	47.9	50	95.8	80-120

Associated samples MP41326: DA72466-1, DA72466-2, DA72466-3, DA72466-4, DA72466-5, DA72466-6, DA72466-7, DA72466-8, DA72466-9, DA72466-10, DA72466-11, DA72466-12, DA72466-13, DA72466-14

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41326 Methods: SW846 6020B
Matrix Type: SOLID Units: ug/l

Prep Date: 05/21/25

Metal	DA72450-31 Original	SDL 5:25	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	21.0	22.2	5.5	0-20
Barium	1190	1170	1.9	0-20
Beryllium				
Boron				
Cadmium	5.23	5.35	2.3	0-20
Calcium				
Chromium				
Cobalt				
Copper	134	145	8.3	0-20
Iron				
Lead	138	134	3.0	0-20
Magnesium				
Manganese				
Molybdenum				
Nickel	183	195	6.0	0-20
Phosphorus				
Potassium				
Selenium	3.20	3.91	22.0 (a)	0-20
Silver	0.534	0.814	52.5 (a)	0-20
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	525	572	8.9	0-20

Associated samples MP41326: DA72466-1, DA72466-2, DA72466-3, DA72466-4, DA72466-5, DA72466-6, DA72466-7, DA72466-8, DA72466-9, DA72466-10, DA72466-11, DA72466-12, DA72466-13, DA72466-14

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41327 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 05/21/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	25	.26	2.5		
Antimony	0.20	.005	.025		
Arsenic	0.10	.025	.025	0.038	<0.10
Barium	1.0	.048	.12	0.16	<1.0
Beryllium	0.10	.038	.02		
Boron	20	9.1	3		
Cadmium	0.050	.015	.01	0.015	<0.050
Calcium	200	13	15		
Chromium	1.0	.043	.3		
Cobalt	0.10	.02	.013		
Copper	1.0	.025	.13	0.021	<1.0
Iron	10	.8	7.5		
Lead	0.25	.047	.1	0.033	<0.25
Magnesium	50	5	5		
Manganese	0.50	.04	.1		
Molybdenum	0.50	.019	.14		
Nickel	1.0	.049	.1	0.059	<1.0
Phosphorus	30	3.8	5		
Potassium	100	1	13		
Selenium	0.20	.025	.025	0.034	<0.20
Silver	0.050	.0041	.015	0.0091	<0.050
Sodium	250	5	15		
Strontium	10	.05	.5		
Thallium	0.10	.016	.02		
Tin	5.0	.11	2		
Titanium	1.0	.025	.15		
Uranium	0.10	.0074	.05		
Vanadium	0.50	.071	.1		
Zinc	5.0	.025	.5	0.26	<5.0

Associated samples MP41327: DA72466-15, DA72466-16, DA72466-17, DA72466-18, DA72466-19, DA72466-20, DA72466-21

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: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41327 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 05/21/25

Metal	DA72466-15 Original	MS	Spikelot ICPMS5	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	2.7	108	121	87.0	75-125
Barium	100	326	242	93.4	75-125
Beryllium					
Boron					
Cadmium	0.25	59.0	60.5	97.1	75-125
Calcium					
Chromium					
Cobalt					
Copper	12.3	63.5	60.5	84.6	75-125
Iron					
Lead	13.6	131	121	97.0	75-125
Magnesium					
Manganese					
Molybdenum					
Nickel	10.3	61.5	60.5	84.6	75-125
Phosphorus					
Potassium					
Selenium	0.26	104	121	85.8	75-125
Silver	0.062	23.4	24.2	96.5	75-125
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc	49.7	102	60.5	86.5	75-125

Associated samples MP41327: DA72466-15, DA72466-16, DA72466-17, DA72466-18, DA72466-19, DA72466-20, DA72466-21

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: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41327 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 05/21/25

Metal	DA72466-15 Original	MSD	Spikelot ICPMS5	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	2.7	104	113	89.7	3.8	20
Barium	100	337	226	104.9	3.3	20
Beryllium						
Boron						
Cadmium	0.25	57.6	56.5	101.5	2.4	20
Calcium						
Chromium						
Cobalt						
Copper	12.3	62.6	56.5	89.0	1.4	20
Iron						
Lead	13.6	130	113	103.0	0.8	20
Magnesium						
Manganese						
Molybdenum						
Nickel	10.3	60.4	56.5	88.7	1.8	20
Phosphorus						
Potassium						
Selenium	0.26	101	113	89.2	2.9	20
Silver	0.062	22.7	22.6	100.2	3.0	20
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc	49.7	102	56.5	92.6	0.0	20

Associated samples MP41327: DA72466-15, DA72466-16, DA72466-17, DA72466-18, DA72466-19, DA72466-20, DA72466-21

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41327
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 05/21/25

Metal	BSP Result	Spikelot ICPMS5	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	98.4	100	98.4	80-120
Barium	198	200	99.0	80-120
Beryllium				
Boron				
Cadmium	51.3	50	102.6	80-120
Calcium				
Chromium				
Cobalt				
Copper	49.2	50	98.4	80-120
Iron				
Lead	103	100	103.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel	48.1	50	96.2	80-120
Phosphorus				
Potassium				
Selenium	96.7	100	96.7	80-120
Silver	20.3	20	101.5	80-120
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	47.5	50	95.0	80-120

Associated samples MP41327: DA72466-15, DA72466-16, DA72466-17, DA72466-18, DA72466-19, DA72466-20, DA72466-21

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41327
Matrix Type: SOLID

Methods: SW846 6020B
Units: ug/l

Prep Date: 05/21/25

Metal	DA72466-15 Original	SDL 5:25	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	24.3	24.5	0.5	0-20
Barium	889	894	0.5	0-20
Beryllium				
Boron				
Cadmium	2.25	2.34	4.2	0-20
Calcium				
Chromium				
Cobalt				
Copper	109	115	5.9	0-20
Iron				
Lead	120	116	3.5	0-20
Magnesium				
Manganese				
Molybdenum				
Nickel	90.7	93.9	3.5	0-20
Phosphorus				
Potassium				
Selenium	2.28	2.43	6.7	0-20
Silver	0.545	0.508	6.8	0-20
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	440	479	8.8	0-20

Associated samples MP41327: DA72466-15, DA72466-16, DA72466-17, DA72466-18, DA72466-19, DA72466-20, DA72466-21

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: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41419
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/30/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	1000	460	150		
Antimony	300	140	68		
Arsenic	250	220	46		
Barium	100	3	13		
Beryllium	100	10	13		
Boron	500	33	63		
Cadmium	100	19	13		
Calcium	4000	66	500	-56	<4000
Chromium	100	11	13		
Cobalt	50	27	6.3		
Copper	100	46	13		
Iron	700	89	120		
Lead	500	130	63		
Lithium	50	6	13		
Magnesium	2000	500	250	-54	<2000
Manganese	50	5	6.3		
Molybdenum	100	85	28		
Nickel	300	62	38		
Phosphorus	1000	910	160		
Potassium	10000	840	1300		
Selenium	500	300	220		
Silicon	2000	410	1500		
Silver	300	6	38		
Sodium	4000	130	500	-12	<4000
Strontium	50	1	6.3		
Thallium	100	170	43		
Tin	600	410	510		
Titanium	100	5	13		
Uranium	500	39	85		
Vanadium	100	9	13		
Zinc	300	90	38		

Associated samples MP41419: DA72466-1A, DA72466-2A, DA72466-3A, DA72466-4A, DA72466-5A, DA72466-6A, DA72466-7A, DA72466-8A, DA72466-9A, DA72466-10A, DA72466-11A, DA72466-12A, DA72466-13A, DA72466-14A, DA72466-15A, DA72466-16A, DA72466-17A, DA72466-18A, DA72466-19A, DA72466-20A

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41419 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/30/25

Metal	RL	IDL	MDL	MB raw	final

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: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41419 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/30/25

Metal	DA72466-5A Original	MS	Spikelot ICPALL6	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium	303000	884000	625000	93.0	75-125
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Lithium					
Magnesium	151000	725000	625000	91.8	75-125
Manganese					
Molybdenum					
Nickel					
Phosphorus					
Potassium					
Selenium					
Silicon					
Silver					
Sodium	402000	999000	625000	95.5	75-125
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc					

Associated samples MP41419: DA72466-1A, DA72466-2A, DA72466-3A, DA72466-4A, DA72466-5A, DA72466-6A, DA72466-7A, DA72466-8A, DA72466-9A, DA72466-10A, DA72466-11A, DA72466-12A, DA72466-13A, DA72466-14A, DA72466-15A, DA72466-16A, DA72466-17A, DA72466-18A, DA72466-19A, DA72466-20A

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41419 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/30/25

Metal	DA72466-5A Original MS	Spikelot ICPALL6	% Rec	QC Limits

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: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41419 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/30/25

Metal	DA72466-5A Original	MSD	Spikelot ICPALL6	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium	303000	838000	625000	85.6	5.3	20
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Lithium						
Magnesium	151000	690000	625000	86.2	4.9	20
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium						
Silicon						
Silver						
Sodium	402000	948000	625000	87.4	5.2	20
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc						

Associated samples MP41419: DA72466-1A, DA72466-2A, DA72466-3A, DA72466-4A, DA72466-5A, DA72466-6A, DA72466-7A, DA72466-8A, DA72466-9A, DA72466-10A, DA72466-11A, DA72466-12A, DA72466-13A, DA72466-14A, DA72466-15A, DA72466-16A, DA72466-17A, DA72466-18A, DA72466-19A, DA72466-20A

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41419 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/30/25

	DA72466-5A	Spikelot		MSD	QC
Metal	Original MSD	ICPALL6	% Rec	RPD	Limit

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41419
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/30/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	537000	625000	85.9	80-120
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	543000	625000	86.9	80-120
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	555000	625000	88.8	80-120
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP41419: DA72466-1A, DA72466-2A, DA72466-3A, DA72466-4A, DA72466-5A, DA72466-6A, DA72466-7A, DA72466-8A, DA72466-9A, DA72466-10A, DA72466-11A, DA72466-12A, DA72466-13A, DA72466-14A, DA72466-15A, DA72466-16A, DA72466-17A, DA72466-18A, DA72466-19A, DA72466-20A

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41419
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/30/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41419 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/30/25

Metal	DA72466-5A Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	30300	30400	0.4	0-10
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	15100	15400	2.1	0-10
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	40200	41000	2.0	0-10
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP41419: DA72466-1A, DA72466-2A, DA72466-3A, DA72466-4A, DA72466-5A, DA72466-6A, DA72466-7A, DA72466-8A, DA72466-9A, DA72466-10A, DA72466-11A, DA72466-12A, DA72466-13A, DA72466-14A, DA72466-15A, DA72466-16A, DA72466-17A, DA72466-18A, DA72466-19A, DA72466-20A

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41419 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/30/25

	DA72466-5A		QC
Metal	Original SDL 1:5	%DIF	Limits

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: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41420
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/30/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	1000	460	150		
Antimony	300	140	68		
Arsenic	250	220	46		
Barium	100	3	13		
Beryllium	100	10	13		
Boron	500	33	63		
Cadmium	100	19	13		
Calcium	4000	66	500	-120	<4000
Chromium	100	11	13		
Cobalt	50	27	6.3		
Copper	100	46	13		
Iron	700	89	120		
Lead	500	130	63		
Lithium	50	6	13		
Magnesium	2000	500	250	74.0	<2000
Manganese	50	5	6.3		
Molybdenum	100	85	28		
Nickel	300	62	38		
Phosphorus	1000	910	160		
Potassium	10000	840	1300		
Selenium	500	300	220		
Silicon	2000	410	1500		
Silver	300	6	38		
Sodium	4000	130	500	-43	<4000
Strontium	50	1	6.3		
Thallium	100	170	43		
Tin	600	410	510		
Titanium	100	5	13		
Uranium	500	39	85		
Vanadium	100	9	13		
Zinc	300	90	38		

Associated samples MP41420: DA72466-21A

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41420
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/30/25

Metal	RL	IDL	MDL	MB raw	final

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41420 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/30/25

Metal	DA72521-1A Original	MS	Spikelot ICPALL6	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium	104000	619000	625000	82.4	75-125
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Lithium					
Magnesium	58400	584000	625000	84.1	75-125
Manganese					
Molybdenum					
Nickel					
Phosphorus					
Potassium					
Selenium					
Silicon					
Silver					
Sodium	3440	547000	625000	87.0	75-125
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc					

Associated samples MP41420: DA72466-21A

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41420 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/30/25

	DA72521-1A	Spikelot		QC
Metal	Original MS	ICPALL6	% Rec	Limits

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41420 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/30/25

Metal	DA72521-1A Original	MSD	Spikelot ICPALL6	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium	104000	593000	625000	78.2	4.3	20
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Lithium						
Magnesium	58400	559000	625000	80.1	4.4	20
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium						
Silicon						
Silver						
Sodium	3440	522000	625000	83.0	4.7	20
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc						

Associated samples MP41420: DA72466-21A

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41420 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/30/25

	DA72521-1A	Spikelot		MSD	QC
Metal	Original MSD	ICPALL6	% Rec	RPD	Limit

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41420
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/30/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	543000	625000	86.9	80-120
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	548000	625000	87.7	80-120
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	564000	625000	90.2	80-120
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP41420: DA72466-21A

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41420
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/30/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits

(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41420
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/30/25

Metal	DA72521-1A Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	10400	10600	2.2	0-10
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	5840	6150	5.3	0-10
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	344	295	14.3 (a)	0-10
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP41420: DA72466-21A

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41420 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/30/25

	DA72521-1A		QC
Metal	Original SDL 1:5	%DIF	Limits

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41473
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/05/25

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	15.5	<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 MP41473: DA72466-1B, DA72466-2B, DA72466-3B, DA72466-4B, DA72466-5B, DA72466-6B, DA72466-7B, DA72466-8B, DA72466-9B, DA72466-10B, DA72466-11B, DA72466-12B, DA72466-13B, DA72466-14B, DA72466-15B, DA72466-16B, DA72466-17B, DA72466-18B, DA72466-19B, DA72466-20B

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41473 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/05/25

Metal	RL	IDL	MDL	MB raw	final

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: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41473
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			06/05/25					06/05/25	
Metal	DA72466-1B Original	DUP	RPD	QC Limits	DA72466-1B Original	MS	Spikelot ICPALL6	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Boron	583	510	13.4	0-20	583	10000	10000	94.2	75-125
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Lithium									
Magnesium									
Manganese									
Molybdenum									
Nickel									
Phosphorus									
Potassium									
Selenium									
Silicon									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Uranium									
Vanadium									
Zinc									

Associated samples MP41473: DA72466-1B, DA72466-2B, DA72466-3B, DA72466-4B, DA72466-5B, DA72466-6B, DA72466-7B, DA72466-8B, DA72466-9B, DA72466-10B, DA72466-11B, DA72466-12B, DA72466-13B, DA72466-14B, DA72466-15B, DA72466-16B, DA72466-17B, DA72466-18B, DA72466-19B, DA72466-20B

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41473
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:		06/05/25				06/05/25	
Metal	DA72466-1B Original DUP	RPD	QC Limits	DA72466-1B Original MS	Spikelot ICPALL6	% Rec	QC Limits

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41473
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/05/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	9180	10000	91.8	80-120
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP41473: DA72466-1B, DA72466-2B, DA72466-3B, DA72466-4B, DA72466-5B, DA72466-6B, DA72466-7B, DA72466-8B, DA72466-9B, DA72466-10B, DA72466-11B, DA72466-12B, DA72466-13B, DA72466-14B, DA72466-15B, DA72466-16B, DA72466-17B, DA72466-18B, DA72466-19B, DA72466-20B

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41473
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/05/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41473
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/05/25

Metal	DA72466-1B Original	SDL 1:1	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	117	118	0.9	0-10
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP41473: DA72466-1B, DA72466-2B, DA72466-3B, DA72466-4B, DA72466-5B, DA72466-6B, DA72466-7B, DA72466-8B, DA72466-9B, DA72466-10B, DA72466-11B, DA72466-12B, DA72466-13B, DA72466-14B, DA72466-15B, DA72466-16B, DA72466-17B, DA72466-18B, DA72466-19B, DA72466-20B

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41473 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/05/25

	DA72466-1B		QC
Metal	Original SDL 1:1	%DIF	Limits

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: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41474
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/05/25

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 MP41474: DA72466-21B

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41474
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/05/25

Metal	RL	IDL	MDL	MB raw	final

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41474
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			06/05/25					06/05/25	
Metal	DA72466-21B Original	DUP	RPD	QC Limits	DA72466-21B Original	MS	Spikelot ICPALL6	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Boron	900	855	5.1	0-20	900	10400	10000	95.0	75-125
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Lithium									
Magnesium									
Manganese									
Molybdenum									
Nickel									
Phosphorus									
Potassium									
Selenium									
Silicon									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Uranium									
Vanadium									
Zinc									

Associated samples MP41474: DA72466-21B

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41474
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/05/25 06/05/25

Metal	DA72466-21B Original DUP	RPD	QC Limits	DA72466-21B Original MS	Spikelot ICPALL6	% Rec	QC Limits

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41474
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/05/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	9100	10000	91.0	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 MP41474: DA72466-21B

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41474
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/05/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits

(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41474
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/05/25

Metal	DA72466-21B Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	180	187	3.9	0-10
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP41474: DA72466-21B

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41474
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/05/25

	DA72466-21B		QC
Metal	Original SDL 1:5	%DIF	Limits

(anr) Analyte not requested

General Chemistry

QC Data Summaries

Includes the following where applicable:

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

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Specific Conductivity	GP38684/GN67138			mmhos/cm	9.987	10	1.7	90-110%
Specific Conductivity	GP38685/GN67140			mmhos/cm	9.987	10.3	102.0	90-110%

Associated Samples:
Batch GP38684: DA72466-5, DA72466-6, DA72466-7, DA72466-8, DA72466-9, DA72466-10, DA72466-11, DA72466-12, DA72466-13, DA72466-14, DA72466-15, DA72466-16, DA72466-17, DA72466-18, DA72466-19, DA72466-20, DA72466-21
Batch GP38685: DA72466-1, DA72466-2, DA72466-3, DA72466-4
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA72466
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GP38684/GN67138	DA72534-3	mmhos/cm	1.2	1.2	1.2	0-20%
Specific Conductivity	GP38685/GN67140	DA72466-4	mmhos/cm	1.2	1.1	1.8	0-20%

Associated Samples:
Batch GP38684: DA72466-5, DA72466-6, DA72466-7, DA72466-8, DA72466-9, DA72466-10, DA72466-11, DA72466-12, DA72466-13, DA72466-14, DA72466-15, DA72466-16, DA72466-17, DA72466-18, DA72466-19, DA72466-20, DA72466-21
Batch GP38685: DA72466-1, DA72466-2, DA72466-3, DA72466-4
(*) Outside of QC limits

Misc. Forms

Custody Documents and Other Forms

(SGS Dayton, NJ)

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

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

Page 1 of 2

FED-EX Tracking #:
Bottle Order Control #:
SGS Quote #:
SGS Job #: DA72466

Client / Reporting Information

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

Project Information

Project Name: TASMCOA: Herbster F35-27
Street:
City:
State:
Project #:
Client Purchase Order #:
Project Manager:

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

Requested Analysis (see TEST CODE sheet): XCRA7199

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	XCRA7199	LAB USE ONLY
1	SB01@0.5-1.5'		5/20/25	11:35:00 AM	WS	SO										X	
2	SB01@1.5-2.5'		5/20/25	11:37:00 AM	WS	SO										X	E-FAR
3	SB02@5-6'		5/20/25	12:00:00 PM	WS	SO										X	E-FLR
4	SB02@6-7'		5/20/25	12:02:00 PM	WS	SO										X	
5	SB03@2-3'		5/20/25	11:45:00 AM	WS	SO										X	
6	SB04@0.5-1.5'		5/20/25	1:20:00 PM	WS	SO										X	
7	SB04@0-6'		5/20/25	1:22:00 PM	WS	SO										X	
8	SB05@0.5-1.5'		5/20/25	12:15:00 PM	WS	SO										X	
9	SB05@5-6'		5/20/25	12:17:00 PM	WS	SO										X	
10	SB06@0.5-1.5'		5/20/25	12:25:00 PM	WS	SO										X	
11	SB06@5-6'		5/20/25	12:27:00 PM	WS	SO										X	
12	SB07@0.5-1.5'		5/20/25	2:00:00 PM	WS	SO										X	

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

Turnaround Time (Business days)

- [ ] Standard 10 Day (business)
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY
- [x] other Due 5/26/2025

Approved By (SGS PM): / Date:

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

Data Deliverable Information

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

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

Comments / Special Instructions

Initial Assessment 3A
Label Verification

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

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	7:35 5-21-25	1 [initials]	2 [initials]	1010 5/22/25	2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #		

Intact / Not intact; Preserved where applicable; On Ice; Cooler Temp. 3.0; Therm. ID: 50

CHAIN OF CUSTODY

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

SO

FED-EX Tracking #:
Bottle Order Control #:
SGS Quote #:
SGS Job #: DA72466

Client / Reporting Information

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

Project Information

Project Name: TASMCOA: Herbster F35-27
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	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	XCRA7199	LAB USE ONLY
13	SB08@2.5-3.5		5/20/25	11:30:00 AM	WS	SO										X	E-FLR
14	SB08@3.5-4.5		5/20/25	11:32:00 AM	WS	SO										X	
15	SB09@2.5-3.5'		5/20/25	10:45:00 AM	WS	SO										X	
16	SB09@4.5-5.5'		5/20/25	10:47:00 AM	WS	SO										X	
17	SB10@2.5-3.5'		5/20/25	11:20:00 AM	WS	SO										X	
18	SB11@2.5-3.5'		5/20/25	11:40:00 AM	WS	SO										X	
19	SB12@2.5-3.5'		5/20/25	10:55:00 AM	WS	SO										X	
20	SB13@2.5-3.5'		5/20/25	11:10:00 AM	WS	SO										X	
21	SB07@5-6'		5/20/25	2:02:00 PM	WS	SO										X	

Turnaround Time (Business days)

- [ ] Standard 10 Day (business)
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY
- [X] other Due 5/26/2025

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

Approved By (SGS PM): / Date:

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

Comments / Special Instructions

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: 1	Date Time: 7:35 5-21-25	Received By: 1 FX	Relinquished By: 2 FX	Date Time: 1800 5/22/25	Received By: 2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal # ☐ Intact ☐ Not intact	Preserved where applicable ☐ Therm. ID: 50	On Ice ☑ Cooler Temp. 3.0°C

SGS Sample Receipt Summary

Job Number: DA72466 **Client:** SGS WHEATRIDGE **Project:** TASMCOA:HERBSTER F35-27

Date / Time Received: 5/22/2025 10:00:00 AM **Delivery Method:** fedex **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (3.0);

Cooler Temps (Corrected) °C: Cooler 1: (3.0);

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

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

Quality Control 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

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: DA72466
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA: Herbster F35-27

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chromium, Hexavalent	GP61440/GN68977	0.40	0.0	mg/kg	40	40.9	102.3	80-120%
Chromium, Hexavalent	GP61440/GN68977			mg/kg	1220	1170	96.2	80-120%
Chromium, Hexavalent	GP61442/GN68987	0.40	0.0	mg/kg	40	40.5	101.3(a)	80-120%
Chromium, Hexavalent	GP61442/GN68987			mg/kg	869	795	91.5(b)	80-120%

Associated Samples:
Batch GP61440: DA72466-1, DA72466-2, DA72466-3, DA72466-4
Batch GP61442: DA72466-5, DA72466-6, DA72466-7, DA72466-8, DA72466-9, DA72466-10, DA72466-11, DA72466-12, DA72466-13, DA72466-14, DA72466-15, DA72466-16, DA72466-17, DA72466-18, DA72466-19, DA72466-20, DA72466-21
(*) Outside of QC limits
(a) Good recovery on soluble XCR matrix spike. Good recovery (99.1%) on the post-spike.
(b) Good recovery on insoluble XCR matrix spike. See additional comments on soluble matrix spike recovery.

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA72466
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA: Herbster F35-27

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chromium, Hexavalent	GP61440/GN68977	DA72450-34	mg/kg	0.0	0.0	0.0	0-20%
Chromium, Hexavalent	GP61442/GN68987	DA72466-11	mg/kg	0.0	0.0	0.0	0-20%

Associated Samples:
Batch GP61440: DA72466-1, DA72466-2, DA72466-3, DA72466-4
Batch GP61442: DA72466-5, DA72466-6, DA72466-7, DA72466-8, DA72466-9, DA72466-10, DA72466-11, DA72466-12, DA72466-13, DA72466-14, DA72466-15, DA72466-16, DA72466-17, DA72466-18, DA72466-19, DA72466-20, DA72466-21
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA72466
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA: Herbster F35-27

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chromium, Hexavalent	GP61440/GN68977	DA72450-34	mg/kg	0.0	43.5	43.4	99.7(a)	75-125%
Chromium, Hexavalent	GP61440/GN68977	DA72450-34	mg/kg	0.0	1190	1160	97.3(b)	75-125%
Chromium, Hexavalent	GP61442/GN68987	DA72466-11	mg/kg	0.0	46.9	47.5	101.4(c)	75-125%
Chromium, Hexavalent	GP61442/GN68987	DA72466-11	mg/kg	0.0	1190	1240	104.6(b)	75-125%

Associated Samples:
Batch GP61440: DA72466-1, DA72466-2, DA72466-3, DA72466-4
Batch GP61442: DA72466-5, DA72466-6, DA72466-7, DA72466-8, DA72466-9, DA72466-10, DA72466-11, DA72466-12, DA72466-13, DA72466-14, DA72466-15, DA72466-16, DA72466-17, DA72466-18, DA72466-19, DA72466-20, DA72466-21
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Good recovery on soluble XCR matrix spike. Good recovery (100.95%) 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 (99.1%) on the post-spike.