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Automated Report

Technical Report for

Chevron USA, Inc.

TASMCOA: Herbster F35-27

3035

SGS Job Number: DA72609

Sampling Date: 05/23/25

Report to:

Chevron USA, Inc.
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Total number of pages in report: **166**

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

Eric Hoffman

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

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Sample Summary

Chevron USA, Inc.

Job No: DA72609

TASMCOA: Herbster F35-27
Project No: 3035

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
DA72609-1	05/23/25	11:00	WS	05/23/25	SO	Soil	BKG01@.5-1.5'
DA72609-1A	05/23/25	11:00	WS	05/23/25	SO	Soil	BKG01@.5-1.5'
DA72609-1B	05/23/25	11:00	WS	05/23/25	SO	Soil	BKG01@.5-1.5'
DA72609-2	05/23/25	11:02	WS	05/23/25	SO	Soil	BKG01@2.5-3.5'
DA72609-2A	05/23/25	11:02	WS	05/23/25	SO	Soil	BKG01@2.5-3.5'
DA72609-2B	05/23/25	11:02	WS	05/23/25	SO	Soil	BKG01@2.5-3.5'
DA72609-3	05/23/25	11:04	WS	05/23/25	SO	Soil	BKG01@4.5-5.5'
DA72609-3A	05/23/25	11:04	WS	05/23/25	SO	Soil	BKG01@4.5-5.5'
DA72609-3B	05/23/25	11:04	WS	05/23/25	SO	Soil	BKG01@4.5-5.5'
DA72609-4	05/23/25	11:06	WS	05/23/25	SO	Soil	BKG01@5.5-6.5'
DA72609-4A	05/23/25	11:06	WS	05/23/25	SO	Soil	BKG01@5.5-6.5'
DA72609-4B	05/23/25	11:06	WS	05/23/25	SO	Soil	BKG01@5.5-6.5'
DA72609-5	05/23/25	10:40	WS	05/23/25	SO	Soil	BKG02@.5-1.5'

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

Sample Summary
(continued)

Chevron USA, Inc.

Job No: DA72609

TASMCOA: Herbster F35-27
Project No: 3035

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
DA72609-5A	05/23/25	10:40	WS	05/23/25	SO	Soil	BKG02@.5-1.5'
DA72609-5B	05/23/25	10:40	WS	05/23/25	SO	Soil	BKG02@.5-1.5'
DA72609-6	05/23/25	10:42	WS	05/23/25	SO	Soil	BKG02@2.5-3.5'
DA72609-6A	05/23/25	10:42	WS	05/23/25	SO	Soil	BKG02@2.5-3.5'
DA72609-6B	05/23/25	10:42	WS	05/23/25	SO	Soil	BKG02@2.5-3.5'
DA72609-7	05/23/25	10:44	WS	05/23/25	SO	Soil	BKG02@4.5-5.5'
DA72609-7A	05/23/25	10:44	WS	05/23/25	SO	Soil	BKG02@4.5-5.5'
DA72609-7B	05/23/25	10:44	WS	05/23/25	SO	Soil	BKG02@4.5-5.5'
DA72609-8	05/23/25	10:46	WS	05/23/25	SO	Soil	BKG02@5.5-6.5'
DA72609-8A	05/23/25	10:46	WS	05/23/25	SO	Soil	BKG02@5.5-6.5'
DA72609-8B	05/23/25	10:46	WS	05/23/25	SO	Soil	BKG02@5.5-6.5'
DA72609-9	05/23/25	10:20	WS	05/23/25	SO	Soil	BKG03@0.5-1.5'
DA72609-9A	05/23/25	10:20	WS	05/23/25	SO	Soil	BKG03@0.5-1.5'

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

Sample Summary
(continued)

Chevron USA, Inc.

Job No: DA72609

TASMCOA: Herbster F35-27
Project No: 3035

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
DA72609-9B	05/23/25	10:20	WS	05/23/25	SO	Soil	BKG03@0.5-1.5'
DA72609-10	05/23/25	10:22	WS	05/23/25	SO	Soil	BKG03@2.5-3.5'
DA72609-10A	05/23/25	10:22	WS	05/23/25	SO	Soil	BKG03@2.5-3.5'
DA72609-10B	05/23/25	10:22	WS	05/23/25	SO	Soil	BKG03@2.5-3.5'
DA72609-11	05/23/25	10:24	WS	05/23/25	SO	Soil	BKG03@4.5-5.5'
DA72609-11A	05/23/25	10:24	WS	05/23/25	SO	Soil	BKG03@4.5-5.5'
DA72609-11B	05/23/25	10:24	WS	05/23/25	SO	Soil	BKG03@4.5-5.5'
DA72609-12	05/23/25	10:26	WS	05/23/25	SO	Soil	BKG03@5.5-6.5'
DA72609-12A	05/23/25	10:26	WS	05/23/25	SO	Soil	BKG03@5.5-6.5'
DA72609-12B	05/23/25	10:26	WS	05/23/25	SO	Soil	BKG03@5.5-6.5'
DA72609-13	05/23/25	09:45	WS	05/23/25	SO	Soil	BKG04@.5-1.5'
DA72609-13A	05/23/25	09:45	WS	05/23/25	SO	Soil	BKG04@.5-1.5'
DA72609-13B	05/23/25	09:45	WS	05/23/25	SO	Soil	BKG04@.5-1.5'

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

Sample Summary
(continued)

Chevron USA, Inc.

Job No: DA72609

TASMCOA: Herbster F35-27
Project No: 3035

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
DA72609-14	05/23/25	09:47	WS	05/23/25	SO	Soil	BKG04@2.5-3.5'
DA72609-14A	05/23/25	09:47	WS	05/23/25	SO	Soil	BKG04@2.5-3.5'
DA72609-14B	05/23/25	09:47	WS	05/23/25	SO	Soil	BKG04@2.5-3.5'
DA72609-15	05/23/25	09:49	WS	05/23/25	SO	Soil	BKG04@4.5-5.5'
DA72609-15A	05/23/25	09:49	WS	05/23/25	SO	Soil	BKG04@4.5-5.5'
DA72609-15B	05/23/25	09:49	WS	05/23/25	SO	Soil	BKG04@4.5-5.5'
DA72609-16	05/23/25	09:51	WS	05/23/25	SO	Soil	BKG04@5.5-6.5'
DA72609-16A	05/23/25	09:51	WS	05/23/25	SO	Soil	BKG04@5.5-6.5'
DA72609-16B	05/23/25	09:51	WS	05/23/25	SO	Soil	BKG04@5.5-6.5'
DA72609-17	05/23/25	09:30	WS	05/23/25	SO	Soil	BKG05@.5-1.5'
DA72609-17A	05/23/25	09:30	WS	05/23/25	SO	Soil	BKG05@.5-1.5'
DA72609-17B	05/23/25	09:30	WS	05/23/25	SO	Soil	BKG05@.5-1.5'
DA72609-18	05/23/25	09:32	WS	05/23/25	SO	Soil	BKG05@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: DA72609

TASMCOA: Herbster F35-27
Project No: 3035

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
DA72609-18A	05/23/25	09:32	WS	05/23/25	SO	Soil	BKG05@2.5-3.5'
DA72609-18B	05/23/25	09:32	WS	05/23/25	SO	Soil	BKG05@2.5-3.5'
DA72609-19	05/23/25	09:34	WS	05/23/25	SO	Soil	BKG05@4.5-5.5'
DA72609-19A	05/23/25	09:34	WS	05/23/25	SO	Soil	BKG05@4.5-5.5'
DA72609-19B	05/23/25	09:34	WS	05/23/25	SO	Soil	BKG05@4.5-5.5'
DA72609-20	05/23/25	09:36	WS	05/23/25	SO	Soil	BKG05@5.5-6.5'
DA72609-20A	05/23/25	09:36	WS	05/23/25	SO	Soil	BKG05@5.5-6.5'
DA72609-20B	05/23/25	09:36	WS	05/23/25	SO	Soil	BKG05@5.5-6.5'

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

Summary of Hits

Job Number: DA72609
Account: Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27
Collected: 05/23/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA72609-1	**BKG01@.5-1.5'**					
Arsenic		3.0	0.11		mg/kg	SW846 6020B
Barium		112	1.1		mg/kg	SW846 6020B
Cadmium		0.31	0.057		mg/kg	SW846 6020B
Copper		18.0	1.1		mg/kg	SW846 6020B
Lead		13.7	0.28		mg/kg	SW846 6020B
Nickel		11.2	1.1		mg/kg	SW846 6020B
Selenium		0.39	0.23		mg/kg	SW846 6020B
Silver		0.058	0.057		mg/kg	SW846 6020B
Zinc		66.6	5.7		mg/kg	SW846 6020B
pH		7.68			su	WREP-125,4E-SATPASTE
Specific Conductivity		5.2	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72609-1A	**BKG01@.5-1.5'**					
Calcium		237	4.0		mg/l	SW846 6010C
Magnesium		138	2.0		mg/l	SW846 6010C
Sodium		626	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		8.00			ratio	USDA HANDBOOK 60
DA72609-1B	**BKG01@.5-1.5'**					
Boron		1.80	0.50		mg/l	SW846 6010C
DA72609-2	**BKG01@2.5-3.5'**					
Arsenic		3.4	0.12		mg/kg	SW846 6020B
Barium		127	1.2		mg/kg	SW846 6020B
Cadmium		0.076	0.059		mg/kg	SW846 6020B
Copper		6.1	1.2		mg/kg	SW846 6020B
Lead		6.0	0.30		mg/kg	SW846 6020B
Nickel		6.9	1.2		mg/kg	SW846 6020B
Zinc		23.9	5.9		mg/kg	SW846 6020B
pH		7.91			su	WREP-125,4E-SATPASTE
Specific Conductivity		12.3	0.0010		mmhos/cm	SM 2510B-2011 MOD
Chromium, Hexavalent [b]		0.86	0.48		mg/kg	SW846 3060A/7199
DA72609-2A	**BKG01@2.5-3.5'**					
Calcium		393	4.0		mg/l	SW846 6010C
Magnesium		403	2.0		mg/l	SW846 6010C
Sodium		2030	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		17.2			ratio	USDA HANDBOOK 60

Summary of Hits

Job Number: DA72609
Account: Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27
Collected: 05/23/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA72609-2B	**BKG01@2.5-3.5'**					
Boron		0.575	0.50		mg/l	SW846 6010C
DA72609-3	**BKG01@4.5-5.5'**					
Arsenic		0.72	0.11		mg/kg	SW846 6020B
Barium		16.6	1.1		mg/kg	SW846 6020B
Copper		2.0	1.1		mg/kg	SW846 6020B
Lead		2.8	0.27		mg/kg	SW846 6020B
Nickel		1.9	1.1		mg/kg	SW846 6020B
Zinc		8.7	5.4		mg/kg	SW846 6020B
pH		8.39			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.83	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72609-3A	**BKG01@4.5-5.5'**					
Calcium		17.4	4.0		mg/l	SW846 6010C
Magnesium		11.7	2.0		mg/l	SW846 6010C
Sodium		114	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		5.18			ratio	USDA HANDBOOK 60
DA72609-3B	**BKG01@4.5-5.5'**					
No hits reported in this sample.						
DA72609-4	**BKG01@5.5-6.5'**					
Arsenic		0.70	0.12		mg/kg	SW846 6020B
Barium		29.1	1.2		mg/kg	SW846 6020B
Cadmium		0.073	0.060		mg/kg	SW846 6020B
Copper		3.5	1.2		mg/kg	SW846 6020B
Lead		3.5	0.30		mg/kg	SW846 6020B
Nickel		3.0	1.2		mg/kg	SW846 6020B
Selenium		0.89	0.24		mg/kg	SW846 6020B
Zinc		13.4	6.0		mg/kg	SW846 6020B
pH		8.21			su	WREP-125,4E-SATPASTE
Specific Conductivity		1.5	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72609-4A	**BKG01@5.5-6.5'**					
Calcium		62.3	4.0		mg/l	SW846 6010C
Magnesium		37.8	2.0		mg/l	SW846 6010C
Sodium		178	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		4.39			ratio	USDA HANDBOOK 60

Summary of Hits

Job Number: DA72609
Account: Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27
Collected: 05/23/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA72609-4B	**BKG01@5.5-6.5'**					
No hits reported in this sample.						
DA72609-5	**BKG02@.5-1.5'**					
Arsenic		3.8	0.12		mg/kg	SW846 6020B
Barium		135	1.2		mg/kg	SW846 6020B
Cadmium		0.25	0.059		mg/kg	SW846 6020B
Copper		14.5	1.2		mg/kg	SW846 6020B
Lead		11.2	0.29		mg/kg	SW846 6020B
Nickel		12.3	1.2		mg/kg	SW846 6020B
Selenium		0.33	0.24		mg/kg	SW846 6020B
Zinc		51.6	5.9		mg/kg	SW846 6020B
pH		7.98			su	WREP-125,4E-SATPASTE
Specific Conductivity		9.2	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72609-5A	**BKG02@.5-1.5'**					
Calcium		308	4.0		mg/l	SW846 6010C
Magnesium		230	2.0		mg/l	SW846 6010C
Sodium		1400	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		14.7			ratio	USDA HANDBOOK 60
DA72609-5B	**BKG02@.5-1.5'**					
No hits reported in this sample.						
DA72609-6	**BKG02@2.5-3.5'**					
Arsenic		3.9	0.12		mg/kg	SW846 6020B
Barium		146	1.2		mg/kg	SW846 6020B
Cadmium		0.094	0.058		mg/kg	SW846 6020B
Copper		6.7	1.2		mg/kg	SW846 6020B
Lead		6.6	0.29		mg/kg	SW846 6020B
Nickel		8.1	1.2		mg/kg	SW846 6020B
Zinc		23.8	5.8		mg/kg	SW846 6020B
pH		8.01			su	WREP-125,4E-SATPASTE
Specific Conductivity		13.4	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72609-6A	**BKG02@2.5-3.5'**					
Calcium		453	4.0		mg/l	SW846 6010C
Magnesium		442	2.0		mg/l	SW846 6010C

Summary of Hits

Job Number: DA72609
Account: Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27
Collected: 05/23/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Sodium		2450	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		19.6			ratio	USDA HANDBOOK 60
DA72609-6B	**BKG02@2.5-3.5'**					
Boron		0.860	0.50		mg/l	SW846 6010C
DA72609-7	**BKG02@4.5-5.5'**					
Arsenic		1.3	0.12		mg/kg	SW846 6020B
Barium		19.6	1.2		mg/kg	SW846 6020B
Copper		4.5	1.2		mg/kg	SW846 6020B
Lead		5.4	0.31		mg/kg	SW846 6020B
Nickel		3.5	1.2		mg/kg	SW846 6020B
Zinc		16.1	6.2		mg/kg	SW846 6020B
pH		7.71			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.91	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72609-7A	**BKG02@4.5-5.5'**					
Calcium		21.0	4.0		mg/l	SW846 6010C
Magnesium		12.4	2.0		mg/l	SW846 6010C
Sodium		132	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		5.65			ratio	USDA HANDBOOK 60
DA72609-7B	**BKG02@4.5-5.5'**					
No hits reported in this sample.						
DA72609-8	**BKG02@5.5-6.5'**					
Arsenic		1.1	0.12		mg/kg	SW846 6020B
Barium		22.1	1.2		mg/kg	SW846 6020B
Copper		3.4	1.2		mg/kg	SW846 6020B
Lead		3.6	0.31		mg/kg	SW846 6020B
Nickel		4.5	1.2		mg/kg	SW846 6020B
Zinc		14.1	6.2		mg/kg	SW846 6020B
pH		7.73			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.70	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72609-8A	**BKG02@5.5-6.5'**					
Calcium		15.9	4.0		mg/l	SW846 6010C
Magnesium		9.32	2.0		mg/l	SW846 6010C
Sodium		108	4.0		mg/l	SW846 6010C

Summary of Hits

Job Number: DA72609
Account: Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27
Collected: 05/23/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Sodium Adsorption Ratio [a]		5.32			ratio	USDA HANDBOOK 60
DA72609-8B	**BKG02@5.5-6.5'**					
No hits reported in this sample.						
DA72609-9	**BKG03@0.5-1.5'**					
Arsenic		2.9	0.12		mg/kg	SW846 6020B
Barium		106	1.2		mg/kg	SW846 6020B
Cadmium		0.30	0.058		mg/kg	SW846 6020B
Copper		12.9	1.2		mg/kg	SW846 6020B
Lead		12.7	0.29		mg/kg	SW846 6020B
Nickel		10.6	1.2		mg/kg	SW846 6020B
Selenium		0.34	0.23		mg/kg	SW846 6020B
Zinc		55.6	5.8		mg/kg	SW846 6020B
pH		7.98			su	WREP-125,4E-SATPASTE
Specific Conductivity		3.7	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72609-9A	**BKG03@0.5-1.5'**					
Calcium		166	4.0		mg/l	SW846 6010C
Magnesium		98.9	2.0		mg/l	SW846 6010C
Sodium		437	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		6.63			ratio	USDA HANDBOOK 60
DA72609-9B	**BKG03@0.5-1.5'**					
Boron		0.724	0.50		mg/l	SW846 6010C
DA72609-10	**BKG03@2.5-3.5'**					
Arsenic		0.94	0.10		mg/kg	SW846 6020B
Barium		12.6	1.0		mg/kg	SW846 6020B
Copper		1.7	1.0		mg/kg	SW846 6020B
Lead		3.0	0.25		mg/kg	SW846 6020B
Nickel		1.7	1.0		mg/kg	SW846 6020B
Zinc		8.7	5.1		mg/kg	SW846 6020B
pH		8.31			su	WREP-125,4E-SATPASTE
Specific Conductivity		1.6	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72609-10A	**BKG03@2.5-3.5'**					
Calcium		30.4	4.0		mg/l	SW846 6010C
Magnesium		26.3	2.0		mg/l	SW846 6010C

Summary of Hits

Job Number: DA72609
Account: Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27
Collected: 05/23/25

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Sodium	243	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]	7.79			ratio	USDA HANDBOOK 60
DA72609-10B BKG03@2.5-3.5'					
No hits reported in this sample.					
DA72609-11 BKG03@4.5-5.5'					
Arsenic	9.9	0.12		mg/kg	SW846 6020B
Barium	181	1.2		mg/kg	SW846 6020B
Cadmium	0.13	0.062		mg/kg	SW846 6020B
Copper	15.1	1.2		mg/kg	SW846 6020B
Lead	11.7	0.31		mg/kg	SW846 6020B
Nickel	9.8	1.2		mg/kg	SW846 6020B
Selenium	0.34	0.25		mg/kg	SW846 6020B
Zinc	43.9	6.2		mg/kg	SW846 6020B
pH	8.19			su	WREP-125,4E-SATPASTE
Specific Conductivity	2.7	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72609-11A BKG03@4.5-5.5'					
Calcium	70.6	4.0		mg/l	SW846 6010C
Magnesium	41.6	2.0		mg/l	SW846 6010C
Sodium	417	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]	9.73			ratio	USDA HANDBOOK 60
DA72609-11B BKG03@4.5-5.5'					
No hits reported in this sample.					
DA72609-12 BKG03@5.5-6.5'					
Arsenic	12.7	0.13		mg/kg	SW846 6020B
Barium	81.7	1.3		mg/kg	SW846 6020B
Cadmium	0.21	0.063		mg/kg	SW846 6020B
Copper	23.8	1.3		mg/kg	SW846 6020B
Lead	13.6	0.32		mg/kg	SW846 6020B
Nickel	11.7	1.3		mg/kg	SW846 6020B
Selenium	0.41	0.25		mg/kg	SW846 6020B
Silver	0.067	0.063		mg/kg	SW846 6020B
Zinc	51.2	6.3		mg/kg	SW846 6020B
pH	8.05			su	WREP-125,4E-SATPASTE
Specific Conductivity	3.8	0.0010		mmhos/cm	SM 2510B-2011 MOD
Chromium, Hexavalent [b]	0.54	0.52		mg/kg	SW846 3060A/7199

Summary of Hits

Job Number: DA72609
Account: Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27
Collected: 05/23/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA72609-12A	**BKG03@5.5-6.5'**					
Calcium		161	4.0		mg/l	SW846 6010C
Magnesium		87.7	2.0		mg/l	SW846 6010C
Sodium		568	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		8.95			ratio	USDA HANDBOOK 60
DA72609-12B	**BKG03@5.5-6.5'**					
No hits reported in this sample.						
DA72609-13	**BKG04@.5-1.5'**					
Arsenic		2.0	0.11		mg/kg	SW846 6020B
Barium		67.4	1.1		mg/kg	SW846 6020B
Cadmium		0.15	0.053		mg/kg	SW846 6020B
Copper		7.8	1.1		mg/kg	SW846 6020B
Lead		8.5	0.27		mg/kg	SW846 6020B
Nickel		6.4	1.1		mg/kg	SW846 6020B
Selenium		0.26	0.21		mg/kg	SW846 6020B
Zinc		30.0	5.3		mg/kg	SW846 6020B
pH		7.89			su	WREP-125,4E-SATPASTE
Specific Conductivity		4.6	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72609-13A	**BKG04@.5-1.5'**					
Calcium		325	4.0		mg/l	SW846 6010C
Magnesium		198	2.0		mg/l	SW846 6010C
Sodium		418	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		4.51			ratio	USDA HANDBOOK 60
DA72609-13B	**BKG04@.5-1.5'**					
Boron		0.619	0.50		mg/l	SW846 6010C
DA72609-14	**BKG04@2.5-3.5'**					
Arsenic		2.3	0.12		mg/kg	SW846 6020B
Barium		60.9	1.2		mg/kg	SW846 6020B
Cadmium		0.062	0.058		mg/kg	SW846 6020B
Copper		4.4	1.2		mg/kg	SW846 6020B
Lead		5.0	0.29		mg/kg	SW846 6020B
Nickel		5.1	1.2		mg/kg	SW846 6020B
Zinc		18.4	5.8		mg/kg	SW846 6020B

Summary of Hits

Job Number: DA72609
Account: Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27
Collected: 05/23/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
pH		8.59			su	WREP-125,4E-SATPASTE
Specific Conductivity		7.9	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72609-14A	**BKG04@2.5-3.5'**					
Calcium		30.8	4.0		mg/l	SW846 6010C
Magnesium		184	2.0		mg/l	SW846 6010C
Sodium		1560	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		23.5			ratio	USDA HANDBOOK 60
DA72609-14B	**BKG04@2.5-3.5'**					
Boron		0.528	0.50		mg/l	SW846 6010C
DA72609-15	**BKG04@4.5-5.5'**					
Arsenic		3.7	0.14		mg/kg	SW846 6020B
Barium		249	1.4		mg/kg	SW846 6020B
Cadmium		0.27	0.069		mg/kg	SW846 6020B
Copper		17.9	1.4		mg/kg	SW846 6020B
Lead		14.8	0.34		mg/kg	SW846 6020B
Nickel		20.7	1.4		mg/kg	SW846 6020B
Selenium		0.35	0.27		mg/kg	SW846 6020B
Zinc		65.2	6.9		mg/kg	SW846 6020B
pH		8.34			su	WREP-125,4E-SATPASTE
Specific Conductivity		1.2	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72609-15A	**BKG04@4.5-5.5'**					
Calcium		27.0	4.0		mg/l	SW846 6010C
Magnesium		19.9	2.0		mg/l	SW846 6010C
Sodium		158	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		5.63			ratio	USDA HANDBOOK 60
DA72609-15B	**BKG04@4.5-5.5'**					
No hits reported in this sample.						
DA72609-16	**BKG04@5.5-6.5'**					
Arsenic		4.2	0.13		mg/kg	SW846 6020B
Barium		131	1.3		mg/kg	SW846 6020B
Cadmium		0.24	0.063		mg/kg	SW846 6020B
Copper		8.6	1.3		mg/kg	SW846 6020B
Lead		7.2	0.32		mg/kg	SW846 6020B

Summary of Hits

Job Number: DA72609
Account: Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27
Collected: 05/23/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Nickel		7.2	1.3		mg/kg	SW846 6020B
Selenium		0.35	0.25		mg/kg	SW846 6020B
Zinc		35.4	6.3		mg/kg	SW846 6020B
pH		8.04			su	WREP-125,4E-SATPASTE
Specific Conductivity		3.3	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72609-16A	**BKG04@5.5-6.5'**					
Calcium		134	4.0		mg/l	SW846 6010C
Magnesium		94.1	2.0		mg/l	SW846 6010C
Sodium		378	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		6.12			ratio	USDA HANDBOOK 60
DA72609-16B	**BKG04@5.5-6.5'**					
No hits reported in this sample.						
DA72609-17	**BKG05@.5-1.5'**					
Arsenic		2.4	0.11		mg/kg	SW846 6020B
Barium		67.9	1.1		mg/kg	SW846 6020B
Cadmium		0.15	0.055		mg/kg	SW846 6020B
Copper		8.2	1.1		mg/kg	SW846 6020B
Lead		8.3	0.28		mg/kg	SW846 6020B
Nickel		7.2	1.1		mg/kg	SW846 6020B
Selenium		0.27	0.22		mg/kg	SW846 6020B
Zinc		31.2	5.5		mg/kg	SW846 6020B
pH		7.82			su	WREP-125,4E-SATPASTE
Specific Conductivity		3.8	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72609-17A	**BKG05@.5-1.5'**					
Calcium		238	4.0		mg/l	SW846 6010C
Magnesium		152	2.0		mg/l	SW846 6010C
Sodium		280	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		3.49			ratio	USDA HANDBOOK 60
DA72609-17B	**BKG05@.5-1.5'**					
Boron		0.588	0.50		mg/l	SW846 6010C
DA72609-18	**BKG05@2.5-3.5'**					
Arsenic		1.7	0.11		mg/kg	SW846 6020B
Barium		76.4	1.1		mg/kg	SW846 6020B

Summary of Hits

Job Number: DA72609
Account: Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27
Collected: 05/23/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Copper		5.1	1.1		mg/kg	SW846 6020B
Lead		4.6	0.28		mg/kg	SW846 6020B
Nickel		3.9	1.1		mg/kg	SW846 6020B
Zinc		19.2	5.5		mg/kg	SW846 6020B
pH		8.34			su	WREP-125,4E-SATPASTE
Specific Conductivity		3.7	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72609-18A	**BKG05@2.5-3.5'**					
Calcium		87.7	4.0		mg/l	SW846 6010C
Magnesium		91.1	2.0		mg/l	SW846 6010C
Sodium		567	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		10.1			ratio	USDA HANDBOOK 60
DA72609-18B	**BKG05@2.5-3.5'**					
No hits reported in this sample.						
DA72609-19	**BKG05@4.5-5.5'**					
Arsenic		1.8	0.11		mg/kg	SW846 6020B
Barium		62.0	1.1		mg/kg	SW846 6020B
Cadmium		0.10	0.056		mg/kg	SW846 6020B
Copper		5.5	1.1		mg/kg	SW846 6020B
Lead		4.8	0.28		mg/kg	SW846 6020B
Nickel		4.9	1.1		mg/kg	SW846 6020B
Zinc		20.6	5.6		mg/kg	SW846 6020B
pH		8.18			su	WREP-125,4E-SATPASTE
Specific Conductivity		4.7	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72609-19A	**BKG05@4.5-5.5'**					
Calcium		172	4.0		mg/l	SW846 6010C
Magnesium		148	2.0		mg/l	SW846 6010C
Sodium		692	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		9.35			ratio	USDA HANDBOOK 60
DA72609-19B	**BKG05@4.5-5.5'**					
No hits reported in this sample.						
DA72609-20	**BKG05@5.5-6.5'**					
Arsenic		0.56	0.11		mg/kg	SW846 6020B
Barium		10.8	1.1		mg/kg	SW846 6020B

Summary of Hits

Job Number: DA72609
Account: Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27
Collected: 05/23/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Copper		2.4	1.1		mg/kg	SW846 6020B
Lead		2.6	0.27		mg/kg	SW846 6020B
Nickel		2.2	1.1		mg/kg	SW846 6020B
Zinc		9.3	5.5		mg/kg	SW846 6020B
pH		8.10			su	WREP-125,4E-SATPASTE
Specific Conductivity		1.2	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72609-20A	**BKG05@5.5-6.5'**					
Calcium		30.7	4.0		mg/l	SW846 6010C
Magnesium		19.6	2.0		mg/l	SW846 6010C
Sodium		146	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		5.06			ratio	USDA HANDBOOK 60
DA72609-20B	**BKG05@5.5-6.5'**					
No hits reported in this sample.						

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

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	BKG01@.5-1.5'		
Lab Sample ID:	DA72609-1	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	86.5
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.0	0.11	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	112	1.1	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.31	0.057	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	18.0	1.1	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	13.7	0.28	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	11.2	1.1	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	0.39	0.23	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	0.058	0.057	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	66.6	5.7	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19178
(2) Prep QC Batch: MP41408

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@.5-1.5'		
Lab Sample ID:	DA72609-1	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	86.5
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	86.5		%	1	05/27/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	7.68		su	1	05/29/25 08:08	TMP	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	5.2	0.0010	mmhos/cm	1	05/30/25 09:00	JB	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.46	0.46	mg/kg	1	06/15/25 13:27	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG01@.5-1.5'
Lab Sample ID: DA72609-1A
Matrix: SO - Soil
Project: TASMCOA: Herbster F35-27

Date Sampled: 05/23/25
Date Received: 05/23/25
Percent Solids: 86.5

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	237	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	138	2.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	626	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19222
(2) Prep QC Batch: MP41469

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@.5-1.5'		
Lab Sample ID:	DA72609-1A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	86.5
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	8.00		ratio	1	06/10/25 16:03	CDL	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@.5-1.5'		
Lab Sample ID:	DA72609-1B	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	86.5
Project:	TASMCOA: Herbster F35-27		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	1.80	0.50	mg/l	1	06/03/25	06/04/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19207
(2) Prep QC Batch: MP41446

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@2.5-3.5'		
Lab Sample ID:	DA72609-2	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	85.7
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.4	0.12	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	127	1.2	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.076	0.059	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	6.1	1.2	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	6.0	0.30	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	6.9	1.2	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.24	0.24	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.059	0.059	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	23.9	5.9	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19178
(2) Prep QC Batch: MP41408

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@2.5-3.5'		
Lab Sample ID:	DA72609-2	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		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	05/27/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	7.91		su	1	05/29/25 08:08	TMP	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	12.3	0.0010	mmhos/cm	1	05/30/25 09:00	JB	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	0.86	0.48	mg/kg	1	06/15/25 14:55	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@2.5-3.5'		
Lab Sample ID:	DA72609-2A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	85.7
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	393	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	403	2.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	2030	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19222
(2) Prep QC Batch: MP41469

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@2.5-3.5'		
Lab Sample ID:	DA72609-2A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	85.7
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	17.2		ratio	1	06/10/25 16:04	CDL	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@2.5-3.5'		
Lab Sample ID:	DA72609-2B	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		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	0.575	0.50	mg/l	1	06/03/25	06/04/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19207
(2) Prep QC Batch: MP41446

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG01@4.5-5.5'
Lab Sample ID: DA72609-3
Matrix: SO - Soil
Project: TASMCOA: Herbster F35-27

Date Sampled: 05/23/25
Date Received: 05/23/25
Percent Solids: 92.4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.72	0.11	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	16.6	1.1	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	< 0.054	0.054	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	2.0	1.1	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	2.8	0.27	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	1.9	1.1	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.22	0.22	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.054	0.054	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	8.7	5.4	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19178
(2) Prep QC Batch: MP41408

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@4.5-5.5'		
Lab Sample ID:	DA72609-3	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	92.4
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	92.4		%	1	05/27/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	8.39		su	1	05/29/25 08:08	TMP	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.83	0.0010	mmhos/cm	1	05/30/25 09:00	JB	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.44	0.44	mg/kg	1	06/15/25 15:11	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG01@4.5-5.5'
Lab Sample ID: DA72609-3A
Matrix: SO - Soil
Project: TASMCOA: Herbster F35-27

Date Sampled: 05/23/25
Date Received: 05/23/25
Percent Solids: 92.4

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	17.4	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	11.7	2.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	114	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19222
(2) Prep QC Batch: MP41469

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@4.5-5.5'		
Lab Sample ID:	DA72609-3A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	92.4
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	5.18		ratio	1	06/10/25 16:05	CDL	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@4.5-5.5'		
Lab Sample ID:	DA72609-3B	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	92.4
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	06/03/25	06/04/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19207
(2) Prep QC Batch: MP41446

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@5.5-6.5'		
Lab Sample ID:	DA72609-4	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	84.6
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.70	0.12	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	29.1	1.2	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.073	0.060	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	3.5	1.2	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	3.5	0.30	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	3.0	1.2	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	0.89	0.24	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.060	0.060	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	13.4	6.0	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19178
(2) Prep QC Batch: MP41408

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@5.5-6.5'		
Lab Sample ID:	DA72609-4	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	84.6
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	84.6		%	1	05/27/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	8.21		su	1	05/29/25 08:08	TMP	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	1.5	0.0010	mmhos/cm	1	05/30/25 09:00	JB	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.48	0.48	mg/kg	1	06/15/25 15:27	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@5.5-6.5'		
Lab Sample ID:	DA72609-4A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	84.6
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	62.3	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	37.8	2.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	178	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19222
(2) Prep QC Batch: MP41469

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@5.5-6.5'		
Lab Sample ID:	DA72609-4A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	84.6
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	4.39		ratio	1	06/10/25 16:06	CDL	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@5.5-6.5'		
Lab Sample ID:	DA72609-4B	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	84.6
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	06/03/25	06/04/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19207
(2) Prep QC Batch: MP41446

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@.5-1.5'		
Lab Sample ID:	DA72609-5	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	82.5
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.8	0.12	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	135	1.2	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.25	0.059	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	14.5	1.2	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	11.2	0.29	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	12.3	1.2	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	0.33	0.24	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.059	0.059	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	51.6	5.9	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19178
(2) Prep QC Batch: MP41408

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@.5-1.5'		
Lab Sample ID:	DA72609-5	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	82.5
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	82.5		%	1	05/27/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	7.98		su	1	05/29/25 08:08	TMP	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	9.2	0.0010	mmhos/cm	1	05/30/25 09:00	JB	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.47	0.47	mg/kg	1	06/15/25 15:58	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@.5-1.5'		
Lab Sample ID:	DA72609-5A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	82.5
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	308	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	230	2.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	1400	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19222
(2) Prep QC Batch: MP41469

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@.5-1.5'		
Lab Sample ID:	DA72609-5A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	82.5
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	14.7		ratio	1	06/10/25 16:08	CDL	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@.5-1.5'		
Lab Sample ID:	DA72609-5B	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	82.5
Project:	TASMCOA: Herbster F35-27		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.50	0.50	mg/l	1	06/03/25	06/04/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19207
(2) Prep QC Batch: MP41446

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@2.5-3.5'		
Lab Sample ID:	DA72609-6	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	85.5
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	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	146	1.2	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.094	0.058	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	6.7	1.2	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	6.6	0.29	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	8.1	1.2	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.23	0.23	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.058	0.058	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	23.8	5.8	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19178
(2) Prep QC Batch: MP41408

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@2.5-3.5'		
Lab Sample ID:	DA72609-6	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	85.5
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	85.5		%	1	05/27/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	8.01		su	1	05/29/25 08:08	TMP	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	13.4	0.0010	mmhos/cm	1	05/30/25 09:00	JB	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.47	0.47	mg/kg	1	06/15/25 16:14	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@2.5-3.5'		
Lab Sample ID:	DA72609-6A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	85.5
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	453	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	442	2.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	2450	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19222
(2) Prep QC Batch: MP41469

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@2.5-3.5'		
Lab Sample ID:	DA72609-6A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	85.5
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	19.6		ratio	1	06/10/25 16:09	CDL	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@2.5-3.5'		
Lab Sample ID:	DA72609-6B	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	85.5
Project:	TASMCOA: Herbster F35-27		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	0.860	0.50	mg/l	1	06/03/25	06/04/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19207
(2) Prep QC Batch: MP41446

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG02@4.5-5.5'
Lab Sample ID: DA72609-7
Matrix: SO - Soil
Project: TASMCOA: Herbster F35-27

Date Sampled: 05/23/25
Date Received: 05/23/25
Percent Solids: 79.8

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.3	0.12	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	19.6	1.2	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	< 0.062	0.062	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	4.5	1.2	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	5.4	0.31	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	3.5	1.2	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.25	0.25	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.062	0.062	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	16.1	6.2	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19178
(2) Prep QC Batch: MP41408

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@4.5-5.5'		
Lab Sample ID:	DA72609-7	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	79.8
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	79.8		%	1	05/27/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	7.71		su	1	05/29/25 08:08	TMP	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.91	0.0010	mmhos/cm	1	05/30/25 09:00	JB	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.50	0.50	mg/kg	1	06/15/25 16:30	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG02@4.5-5.5'
Lab Sample ID: DA72609-7A
Matrix: SO - Soil
Project: TASMCOA: Herbster F35-27

Date Sampled: 05/23/25
Date Received: 05/23/25
Percent Solids: 79.8

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	21.0	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	12.4	2.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	132	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19222
(2) Prep QC Batch: MP41469

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@4.5-5.5'		
Lab Sample ID:	DA72609-7A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	79.8
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	5.65		ratio	1	06/10/25 15:55	CDL	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@4.5-5.5'		
Lab Sample ID:	DA72609-7B	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	79.8
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	06/03/25	06/04/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19207
(2) Prep QC Batch: MP41446

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@5.5-6.5'		
Lab Sample ID:	DA72609-8	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	78.7
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.1	0.12	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	22.1	1.2	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	< 0.062	0.062	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	3.4	1.2	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	3.6	0.31	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	4.5	1.2	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.25	0.25	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.062	0.062	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	14.1	6.2	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19178
(2) Prep QC Batch: MP41408

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@5.5-6.5'		
Lab Sample ID:	DA72609-8	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	78.7
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	78.7		%	1	05/27/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	7.73		su	1	05/29/25 08:08	TMP	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.70	0.0010	mmhos/cm	1	05/30/25 09:00	JB	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.50	0.50	mg/kg	1	06/15/25 16:46	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@5.5-6.5'		
Lab Sample ID:	DA72609-8A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	78.7
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	15.9	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	9.32	2.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	108	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19222
(2) Prep QC Batch: MP41469

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@5.5-6.5'		
Lab Sample ID:	DA72609-8A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	78.7
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	5.32		ratio	1	06/10/25 16:10	CDL	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG02@5.5-6.5'		
Lab Sample ID:	DA72609-8B	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	78.7
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	06/03/25	06/04/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19207
(2) Prep QC Batch: MP41446

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG03@0.5-1.5'		
Lab Sample ID:	DA72609-9	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	86.9
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.9	0.12	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	106	1.2	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.30	0.058	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	12.9	1.2	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	12.7	0.29	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	10.6	1.2	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	0.34	0.23	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.058	0.058	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	55.6	5.8	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19178
(2) Prep QC Batch: MP41408

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG03@0.5-1.5'		
Lab Sample ID:	DA72609-9	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	86.9
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	86.9		%	1	05/27/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	7.98		su	1	05/29/25 08:08	TMP	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	3.7	0.0010	mmhos/cm	1	05/30/25 09:00	JB	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.45	0.45	mg/kg	1	06/15/25 17:02	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG03@0.5-1.5'		
Lab Sample ID:	DA72609-9A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	86.9
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	166	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	98.9	2.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	437	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19222
(2) Prep QC Batch: MP41469

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG03@0.5-1.5'		
Lab Sample ID:	DA72609-9A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	86.9
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	6.63		ratio	1	06/10/25 16:11	CDL	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:	BKG03@0.5-1.5'		
Lab Sample ID:	DA72609-9B	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	86.9
Project:	TASMCOA: Herbster F35-27		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	0.724	0.50	mg/l	1	06/03/25	06/04/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19207
(2) Prep QC Batch: MP41446

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG03@2.5-3.5'		
Lab Sample ID:	DA72609-10	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	96.2
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.94	0.10	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	12.6	1.0	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	< 0.051	0.051	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	1.7	1.0	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	3.0	0.25	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	1.7	1.0	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.20	0.20	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.051	0.051	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	8.7	5.1	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19178
(2) Prep QC Batch: MP41408

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG03@2.5-3.5'		
Lab Sample ID:	DA72609-10	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	96.2
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	96.2		%	1	05/27/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	8.31		su	1	05/29/25 08:08	TMP	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	1.6	0.0010	mmhos/cm	1	05/30/25 09:00	JB	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.42	0.42	mg/kg	1	06/15/25 17:10	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG03@2.5-3.5'
Lab Sample ID: DA72609-10A
Matrix: SO - Soil
Project: TASMCOA: Herbster F35-27

Date Sampled: 05/23/25
Date Received: 05/23/25
Percent Solids: 96.2

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	30.4	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	26.3	2.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	243	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19222
(2) Prep QC Batch: MP41469

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG03@2.5-3.5'		
Lab Sample ID:	DA72609-10A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	96.2
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	7.79		ratio	1	06/10/25 16:13	CDL	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:	BKG03@2.5-3.5'		
Lab Sample ID:	DA72609-10B	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	96.2
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	06/03/25	06/04/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19207
(2) Prep QC Batch: MP41446

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG03@4.5-5.5'		
Lab Sample ID:	DA72609-11	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	80.9
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	9.9	0.12	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	181	1.2	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.13	0.062	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	15.1	1.2	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	11.7	0.31	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	9.8	1.2	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	0.34	0.25	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.062	0.062	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	43.9	6.2	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19178
(2) Prep QC Batch: MP41408

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG03@4.5-5.5'		
Lab Sample ID:	DA72609-11	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	80.9
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	80.9		%	1	05/27/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	8.19		su	1	05/29/25 08:08	TMP	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	2.7	0.0010	mmhos/cm	1	05/30/25 09:00	JB	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.51	0.51	mg/kg	1	06/15/25 17:34	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG03@4.5-5.5'		
Lab Sample ID:	DA72609-11A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	80.9
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	70.6	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	41.6	2.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	417	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19222
(2) Prep QC Batch: MP41469

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG03@4.5-5.5'		
Lab Sample ID:	DA72609-11A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	80.9
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	9.73		ratio	1	06/10/25 16:18	CDL	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:	BKG03@4.5-5.5'		
Lab Sample ID:	DA72609-11B	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	80.9
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	06/03/25	06/04/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19207
(2) Prep QC Batch: MP41446

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG03@5.5-6.5'		
Lab Sample ID:	DA72609-12	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	77.8
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	12.7	0.13	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	81.7	1.3	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.21	0.063	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	23.8	1.3	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	13.6	0.32	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	11.7	1.3	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	0.41	0.25	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	0.067	0.063	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	51.2	6.3	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19178
(2) Prep QC Batch: MP41408

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG03@5.5-6.5'		
Lab Sample ID:	DA72609-12	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	77.8
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	77.8		%	1	05/27/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	8.05		su	1	05/29/25 08:08	TMP	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	3.8	0.0010	mmhos/cm	1	05/30/25 09:00	JB	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	0.54	0.52	mg/kg	1	06/15/25 17:49	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG03@5.5-6.5'		
Lab Sample ID:	DA72609-12A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	77.8
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	161	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	87.7	2.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	568	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19222
(2) Prep QC Batch: MP41469

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG03@5.5-6.5'		
Lab Sample ID:	DA72609-12A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	77.8
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	8.95		ratio	1	06/10/25 16:20	CDL	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:	BKG03@5.5-6.5'		
Lab Sample ID:	DA72609-12B	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	77.8
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	06/03/25	06/04/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19207
(2) Prep QC Batch: MP41446

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG04@.5-1.5'		
Lab Sample ID:	DA72609-13	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	93.3
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.0	0.11	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	67.4	1.1	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.15	0.053	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	7.8	1.1	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	8.5	0.27	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	6.4	1.1	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	0.26	0.21	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.053	0.053	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	30.0	5.3	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19178
(2) Prep QC Batch: MP41408

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG04@.5-1.5'		
Lab Sample ID:	DA72609-13	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	93.3
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	93.3		%	1	05/27/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	7.89		su	1	05/29/25 08:08	TMP	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	4.6	0.0010	mmhos/cm	1	05/30/25 09:00	JB	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.44	0.44	mg/kg	1	06/15/25 17:57	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG04@.5-1.5'		
Lab Sample ID:	DA72609-13A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	93.3
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	325	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	198	2.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	418	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19222
(2) Prep QC Batch: MP41469

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG04@.5-1.5'		
Lab Sample ID:	DA72609-13A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	93.3
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	4.51		ratio	1	06/10/25 16:21	CDL	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:	BKG04@.5-1.5'		
Lab Sample ID:	DA72609-13B	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	93.3
Project:	TASMCOA: Herbster F35-27		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	0.619	0.50	mg/l	1	06/03/25	06/04/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19207
(2) Prep QC Batch: MP41446

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG04@2.5-3.5'		
Lab Sample ID:	DA72609-14	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	86.5
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.3	0.12	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	60.9	1.2	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.062	0.058	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	4.4	1.2	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	5.0	0.29	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	5.1	1.2	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.23	0.23	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.058	0.058	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	18.4	5.8	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19178
(2) Prep QC Batch: MP41408

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG04@2.5-3.5'		
Lab Sample ID:	DA72609-14	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	86.5
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	86.5		%	1	05/27/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	8.59		su	1	05/29/25 08:08	TMP	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	7.9	0.0010	mmhos/cm	1	05/30/25 09:00	JB	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.48	0.48	mg/kg	1	06/15/25 18:13	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG04@2.5-3.5'		
Lab Sample ID:	DA72609-14A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	86.5
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	30.8	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	184	2.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	1560	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19222
(2) Prep QC Batch: MP41469

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG04@2.5-3.5'		
Lab Sample ID:	DA72609-14A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	86.5
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	23.5		ratio	1	06/10/25 16:22	CDL	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:	BKG04@2.5-3.5'		
Lab Sample ID:	DA72609-14B	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	86.5
Project:	TASMCOA: Herbster F35-27		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	0.528	0.50	mg/l	1	06/03/25	06/04/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19207
(2) Prep QC Batch: MP41446

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG04@4.5-5.5'		
Lab Sample ID:	DA72609-15	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	70.2
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.7	0.14	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	249	1.4	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.27	0.069	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	17.9	1.4	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	14.8	0.34	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	20.7	1.4	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	0.35	0.27	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.069	0.069	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	65.2	6.9	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19178
(2) Prep QC Batch: MP41408

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG04@4.5-5.5'		
Lab Sample ID:	DA72609-15	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	70.2
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	70.2		%	1	05/27/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	8.34		su	1	05/29/25 08:08	TMP	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	1.2	0.0010	mmhos/cm	1	05/30/25 09:00	JB	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.55	0.55	mg/kg	1	06/15/25 18:53	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG04@4.5-5.5'		
Lab Sample ID:	DA72609-15A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	70.2
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	27.0	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	19.9	2.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	158	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19222
(2) Prep QC Batch: MP41469

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG04@4.5-5.5'		
Lab Sample ID:	DA72609-15A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	70.2
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	5.63		ratio	1	06/10/25 16:23	CDL	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:	BKG04@4.5-5.5'		
Lab Sample ID:	DA72609-15B	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	70.2
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	06/03/25	06/04/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19207
(2) Prep QC Batch: MP41446

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG04@5.5-6.5'		
Lab Sample ID:	DA72609-16	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	78.1
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	4.2	0.13	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	131	1.3	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.24	0.063	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	8.6	1.3	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	7.2	0.32	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	7.2	1.3	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	0.35	0.25	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.063	0.063	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	35.4	6.3	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19178
(2) Prep QC Batch: MP41408

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG04@5.5-6.5'		
Lab Sample ID:	DA72609-16	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	78.1
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	78.1		%	1	05/27/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	8.04		su	1	05/29/25 08:08	TMP	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	3.3	0.0010	mmhos/cm	1	05/30/25 09:00	JB	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.51	0.51	mg/kg	1	06/15/25 19:01	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG04@5.5-6.5'		
Lab Sample ID:	DA72609-16A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	78.1
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	134	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	94.1	2.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	378	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19222
(2) Prep QC Batch: MP41469

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG04@5.5-6.5'		
Lab Sample ID:	DA72609-16A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	78.1
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	6.12		ratio	1	06/10/25 16:25	CDL	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:	BKG04@5.5-6.5'		
Lab Sample ID:	DA72609-16B	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	78.1
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	06/03/25	06/04/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19207
(2) Prep QC Batch: MP41446

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	BKG05@.5-1.5'		
Lab Sample ID:	DA72609-17	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	91.4
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.4	0.11	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	67.9	1.1	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.15	0.055	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	8.2	1.1	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	8.3	0.28	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	7.2	1.1	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	0.27	0.22	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.055	0.055	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	31.2	5.5	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19178
(2) Prep QC Batch: MP41408

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG05@.5-1.5'		
Lab Sample ID:	DA72609-17	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	91.4
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	91.4		%	1	05/27/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	7.82		su	1	05/29/25 08:08	TMP	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	3.8	0.0010	mmhos/cm	1	05/30/25 09:00	JB	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.43	0.43	mg/kg	1	06/15/25 19:25	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG05@.5-1.5'
Lab Sample ID: DA72609-17A
Matrix: SO - Soil
Project: TASMCOA: Herbster F35-27

Date Sampled: 05/23/25
Date Received: 05/23/25
Percent Solids: 91.4

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	238	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	152	2.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	280	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19222
(2) Prep QC Batch: MP41469

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG05@.5-1.5'		
Lab Sample ID:	DA72609-17A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	91.4
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	3.49		ratio	1	06/10/25 16:26	CDL	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:	BKG05@.5-1.5'		
Lab Sample ID:	DA72609-17B	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	91.4
Project:	TASMCOA: Herbster F35-27		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	0.588	0.50	mg/l	1	06/03/25	06/04/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19207
(2) Prep QC Batch: MP41446

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG05@2.5-3.5'		
Lab Sample ID:	DA72609-18	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	87.3
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.7	0.11	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	76.4	1.1	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	< 0.055	0.055	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	5.1	1.1	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	4.6	0.28	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	3.9	1.1	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.22	0.22	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.055	0.055	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	19.2	5.5	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19178
(2) Prep QC Batch: MP41408

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG05@2.5-3.5'		
Lab Sample ID:	DA72609-18	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		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	05/27/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	8.34		su	1	05/29/25 08:08	TMP	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	3.7	0.0010	mmhos/cm	1	05/30/25 09:00	JB	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.47	0.47	mg/kg	1	06/15/25 19:33	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG05@2.5-3.5'		
Lab Sample ID:	DA72609-18A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	87.3
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	87.7	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	91.1	2.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	567	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19222
(2) Prep QC Batch: MP41469

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG05@2.5-3.5'		
Lab Sample ID:	DA72609-18A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	87.3
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	10.1		ratio	1	06/10/25 16:27	CDL	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:	BKG05@2.5-3.5'		
Lab Sample ID:	DA72609-18B	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		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	06/03/25	06/04/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19207
(2) Prep QC Batch: MP41446

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG05@4.5-5.5'		
Lab Sample ID:	DA72609-19	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	88.7
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.8	0.11	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	62.0	1.1	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.10	0.056	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	5.5	1.1	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	4.8	0.28	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	4.9	1.1	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.23	0.23	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.056	0.056	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	20.6	5.6	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19184
(2) Prep QC Batch: MP41409

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG05@4.5-5.5'		
Lab Sample ID:	DA72609-19	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	88.7
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	88.7		%	1	05/27/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	8.18		su	1	05/29/25 08:08	TMP	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	4.7	0.0010	mmhos/cm	1	05/30/25 09:00	JB	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.46	0.46	mg/kg	1	06/15/25 19:56	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG05@4.5-5.5'		
Lab Sample ID:	DA72609-19A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	88.7
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	172	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	148	2.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	692	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19222
(2) Prep QC Batch: MP41469

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG05@4.5-5.5'		
Lab Sample ID:	DA72609-19A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	88.7
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	9.35		ratio	1	06/10/25 16:28	CDL	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:	BKG05@4.5-5.5'		
Lab Sample ID:	DA72609-19B	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	88.7
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	06/03/25	06/04/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19207
(2) Prep QC Batch: MP41446

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG05@5.5-6.5'		
Lab Sample ID:	DA72609-20	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	89.0
Project:	TASMCOA: Herbster F35-27		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.56	0.11	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	10.8	1.1	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	< 0.055	0.055	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	2.4	1.1	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	2.6	0.27	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	2.2	1.1	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.22	0.22	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.055	0.055	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	9.3	5.5	mg/kg	5	05/30/25	06/03/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19184
(2) Prep QC Batch: MP41409

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG05@5.5-6.5'		
Lab Sample ID:	DA72609-20	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	89.0
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	89		%	1	05/27/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	8.10		su	1	05/29/25 08:08	TMP	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	1.2	0.0010	mmhos/cm	1	05/30/25 09:00	JB	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.46	0.46	mg/kg	1	06/15/25 20:04	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG05@5.5-6.5'		
Lab Sample ID:	DA72609-20A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	89.0
Project:	TASMCOA: Herbster F35-27		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	30.7	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	19.6	2.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	146	4.0	mg/l	1	06/09/25	06/10/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19222
(2) Prep QC Batch: MP41469

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG05@5.5-6.5'		
Lab Sample ID:	DA72609-20A	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	89.0
Project:	TASMCOA: Herbster F35-27		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	5.06		ratio	1	06/10/25 16:30	CDL	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:	BKG05@5.5-6.5'		
Lab Sample ID:	DA72609-20B	**Date Sampled:**	05/23/25
Matrix:	SO - Soil	**Date Received:**	05/23/25
		Percent Solids:	89.0
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	06/03/25	06/04/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19207
(2) Prep QC Batch: MP41446

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

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

Bottle Order Control #	FED-EX Tracking #
SGS Quote #	SGS Job # DA72609

Client / Reporting Information

Company: Tasman, Inc.
Street: 4725 Independence St.
City, State ZIP: Wheat Ridge, CO 80033
Project Contact: Eric Vonde (mike medina UFS)
Phone: (303) 487-1228
Email: tas-chevron-gj@tasman-geo.com / rbeuf27@chevron.com / danpeterson@chevron.com
Sampler(s) Name(s): Moses Sandoval

Project Information

Project Name: Hershey 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: mikemedina UFS ~~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)

Matrix Codes

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

Field ID / Point of Collection	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: NONE	HCl	NaOH	HNO3	H2SO4	DI Water	MeOH	ENCORE	Na2S2O3	Na2SO3	Metals - 915 (TR)	VOCs - 916	TPH - 916	PAHs - 916	pH, EC, SAR, boron	TDS, Cl, SO4	Hold	LAB USE ONLY
BKG01 @ .5-1.5'	5-23-25	11:06	UFS	Soil	2	X										X				X			01
BKG01 @ 2.5-3.5		11:02																					02
BKG01 @ 4.5-5.5'		11:04																					03
BKG01 @ 5.5-6.5'		11:08																					04
BKG02 @ .5-1.5'		10:40																					05
BKG02 @ 2.5-3.5'		10:42																					06
BKG02 @ 4.5-5.5'		10:44																					07
BKG02 @ 5.5-6.5'		10:46																					08
BKG03 @ 0.5-1.5'		10:20																					09
BKG03 @ 2.5-3.5'		10:22																					10
BKG03 @ 4.5-5.5'		10:24																					11
BKG03 @ 5.5-6.5'		10:26																					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 Tasman

Comments / Special Instructions

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

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

Relinquished By/Sampler/Affiliation:	Date/Time:	Received By/Affiliation:	Relinquished By/Affiliation:	Date/Time:	Received By/Affiliation:
1	5-23-25 1630	1	2		2
Relinquished by/Affiliation:	Date/Time:	Received By/Affiliation:	Relinquished By/Affiliation:	Date/Time:	Received By/Affiliation:
3		3	4		4

Custody Seal #: Intact ☐ Not Intact ☐ Absent ☐
Preserved where applicable ☐ Cooler Temp. °C (corrected): 3.7 Therm. ID: IR3 On Ice ☐

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

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

SGS

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 2 of 2

Bottle Order Control #	FED-EX Tracking #
SGS Quote #	**SGS Job #** DA72609

Client / Reporting Information

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

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 UFS

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	Date	Time	Sampled by	Matrix	# of bottles	NONE	HCl	NaOH	HNO3	H2SO4	DI Water	MeOH	ENCORE	Na2S2O3	Na2SO3	Metals - 915 (TR)	VOCs - 916	TPH - 916	PAHs - 916	pH, EC, SAR, boron	TDS, Cl, SO4	Hold	LAB USE ONLY
BKG04 @ .5-1.5'	5-23-25	09:45	UFS	Soil	2	X										X				X			13
BKG04 @ 2.5-3.5'		09:47																					14
BKG04 @ 4.5'-5.5'		09:49																					15
BKG04 @ 5.5-6.5'		09:51																					16
BKG05 @ .5-1.5'		09:30																					17
BKG05 @ 2.5-3.5'		09:32																					18
BKG05 @ 4.5-5.5'		09:34																					19
BKG05 @ 5.5-6.5'		09:36																					20

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

Turnaround Time (Business days)
- ☒ 10 Business Days
- ☐ 5 Business Days
- ☐ 3 Business Days RUSH
- ☐ 2 Business Days RUSH
- ☐ 1 Business Day EMERGENCY

Emergency & Rush T/A data available via Email or LabLink. RUSH TAT approval needed.

Special Reporting Instructions
- ☐ Report in PPB
- ☐ Report in PPM
- ☐ Report MDLs

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

Comments / Special Instructions
Metals: specify metal(s), method, and type (D, PD, TR)

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

Relinquished by Sampler/Affiliation:	Date/Time:	Received By/Affiliation:	Relinquished By/Affiliation:	Date/Time:	Received By/Affiliation:
1 [signature]	5-23-25 1630	1 [signature]	2		2
Relinquished by/Affiliation: 3	Date/Time:	Received By/Affiliation: 3	Relinquished By/Affiliation: 4	Date/Time:	Received By/Affiliation: 4

Custody Seal #: Intact ☐ Not intact ☐ Absent ☐ | Preserved where applicable ☑ | Cooler Temp. °C (corrected): 3.0 | Therm. ID: IR2 | On Ice ☐ | http://www.sgs.com/en/terms-and-conditions

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

4.1

4

DA72609: Chain of Custody
Page 2 of 3

SGS Sample Receipt Summary

Job Number: da72609 **Client:** TASMAN **Project:** HERBSTER F-35-27

Date / Time Received: 5/23/2025 4:30:00 PM **Delivery Method:** hd **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (3.0);

Cooler Temps (Corrected) °C: Cooler 1: (3.0);

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 Number of Lab Filtered Metals

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

Residual Chlorine Test Strip Lot

Comments

SM001
Rev. Date 05/04/17

Technician: JEREMYD Date: 5/27/2025 8:11:26 AM Reviewer: Date:

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: DA72609
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41408
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 05/30/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	25	.26	2.5		
Antimony	0.20	.005	.025		
Arsenic	0.10	.025	.025	0.020	<0.10
Barium	1.0	.048	.12	0.046	<1.0
Beryllium	0.10	.038	.02		
Boron	20	9.1	3		
Cadmium	0.050	.015	.01	0.0039	<0.050
Calcium	200	13	15		
Chromium	1.0	.043	.3		
Cobalt	0.10	.02	.013		
Copper	1.0	.025	.13	0.39	<1.0
Iron	10	.8	7.5		
Lead	0.25	.047	.1	0.0072	<0.25
Magnesium	50	5	5		
Manganese	0.50	.04	.1		
Molybdenum	0.50	.019	.14		
Nickel	1.0	.049	.1	0.055	<1.0
Phosphorus	30	3.8	5		
Potassium	100	1	13		
Selenium	0.20	.025	.025	0.011	<0.20
Silver	0.050	.0041	.015	0.00060	<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	0.96	<5.0

Associated samples MP41408: DA72609-1, DA72609-2, DA72609-3, DA72609-4, DA72609-5, DA72609-6, DA72609-7, DA72609-8, DA72609-9, DA72609-10, DA72609-11, DA72609-12, DA72609-13, DA72609-14, DA72609-15, DA72609-16, DA72609-17, DA72609-18

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: DA72609
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41408
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 05/30/25

Metal	DA72588-18 Original	MS	Spikelot ICPMS5	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	3.6	109	108	97.9	75-125
Barium	73.1	285	215	98.5	75-125
Beryllium					
Boron					
Cadmium	0.12	52.2	53.8	96.8	75-125
Calcium					
Chromium					
Cobalt					
Copper	5.8	56.0	53.8	93.3	75-125
Iron					
Lead	6.1	112	108	98.4	75-125
Magnesium					
Manganese					
Molybdenum					
Nickel	6.1	55.4	53.8	91.6	75-125
Phosphorus					
Potassium					
Selenium	0.21	99.3	108	92.1	75-125
Silver	0.023	20.8	21.5	96.5	75-125
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc	22.8	75.9	53.8	98.7	75-125

Associated samples MP41408: DA72609-1, DA72609-2, DA72609-3, DA72609-4, DA72609-5, DA72609-6, DA72609-7, DA72609-8, DA72609-9, DA72609-10, DA72609-11, DA72609-12, DA72609-13, DA72609-14, DA72609-15, DA72609-16, DA72609-17, DA72609-18

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: DA72609
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41408 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 05/30/25

Metal	DA72588-18 Original	MSD	Spikelot ICPMS5	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	3.6	102	105	94.1	6.6	20
Barium	73.1	283	209	100.4	0.7	20
Beryllium						
Boron						
Cadmium	0.12	51.2	52.3	97.7	1.9	20
Calcium						
Chromium						
Cobalt						
Copper	5.8	54.3	52.3	92.8	3.1	20
Iron						
Lead	6.1	108	105	97.4	3.6	20
Magnesium						
Manganese						
Molybdenum						
Nickel	6.1	54.5	52.3	92.6	1.6	20
Phosphorus						
Potassium						
Selenium	0.21	96.9	105	92.5	2.4	20
Silver	0.023	20.3	20.9	97.0	2.4	20
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc	22.8	72.6	52.3	95.2	4.4	20

Associated samples MP41408: DA72609-1, DA72609-2, DA72609-3, DA72609-4, DA72609-5, DA72609-6, DA72609-7, DA72609-8, DA72609-9, DA72609-10, DA72609-11, DA72609-12, DA72609-13, DA72609-14, DA72609-15, DA72609-16, DA72609-17, DA72609-18

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: DA72609
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41408
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 05/30/25

Metal	BSP Result	Spikelot ICPMS5	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	95.9	100	95.9	80-120
Barium	199	200	99.5	80-120
Beryllium				
Boron				
Cadmium	48.1	50	96.2	80-120
Calcium				
Chromium				
Cobalt				
Copper	48.5	50	97.0	80-120
Iron				
Lead	97.8	100	97.8	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel	47.5	50	95.0	80-120
Phosphorus				
Potassium				
Selenium	97.3	100	97.3	80-120
Silver	19.2	20	96.0	80-120
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	47.1	50	94.2	80-120

Associated samples MP41408: DA72609-1, DA72609-2, DA72609-3, DA72609-4, DA72609-5, DA72609-6, DA72609-7, DA72609-8, DA72609-9, DA72609-10, DA72609-11, DA72609-12, DA72609-13, DA72609-14, DA72609-15, DA72609-16, DA72609-17, DA72609-18

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA72609
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41408
Matrix Type: SOLID

Methods: SW846 6020B
Units: ug/l

Prep Date: 05/30/25

Metal	DA72588-18 Original	SDL 5:25	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	34.0	34.0	0.0	0-20
Barium	692	688	0.5	0-20
Beryllium				
Boron				
Cadmium	1.18	1.33	12.6	0-20
Calcium				
Chromium				
Cobalt				
Copper	54.9	52.6	4.1	0-20
Iron				
Lead	57.7	55.6	3.7	0-20
Magnesium				
Manganese				
Molybdenum				
Nickel	57.7	55.7	3.5	0-20
Phosphorus				
Potassium				
Selenium	2.02	2.03	0.5	0-20
Silver	0.215	0.255	18.5	0-20
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	216	218	0.8	0-20

Associated samples MP41408: DA72609-1, DA72609-2, DA72609-3, DA72609-4, DA72609-5, DA72609-6, DA72609-7, DA72609-8, DA72609-9, DA72609-10, DA72609-11, DA72609-12, DA72609-13, DA72609-14, DA72609-15, DA72609-16, DA72609-17, DA72609-18

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: DA72609
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41409 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 05/30/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	25	.26	2.5		
Antimony	0.20	.005	.025		
Arsenic	0.10	.025	.025	0.029	<0.10
Barium	1.0	.048	.12	0.084	<1.0
Beryllium	0.10	.038	.02		
Boron	20	9.1	3		
Cadmium	0.050	.015	.01	0.011	<0.050
Calcium	200	13	15		
Chromium	1.0	.043	.3		
Cobalt	0.10	.02	.013		
Copper	1.0	.025	.13	0.35	<1.0
Iron	10	.8	7.5		
Lead	0.25	.047	.1	0.035	<0.25
Magnesium	50	5	5		
Manganese	0.50	.04	.1		
Molybdenum	0.50	.019	.14		
Nickel	1.0	.049	.1	0.13	<1.0
Phosphorus	30	3.8	5		
Potassium	100	1	13		
Selenium	0.20	.025	.025	0.024	<0.20
Silver	0.050	.0041	.015	0.0041	<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	0.85	<5.0

Associated samples MP41409: DA72609-19, DA72609-20

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: DA72609
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41409
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 05/30/25

Metal	DA72609-19 Original	MS	Spikelot ICPMS5	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	1.8	99.2	112	87.3	75-125
Barium	62.0	248	223	83.4	75-125
Beryllium					
Boron					
Cadmium	0.10	51.9	55.8	92.9	75-125
Calcium					
Chromium					
Cobalt					
Copper	5.5	54.9	55.8	88.6	75-125
Iron					
Lead	4.8	107	112	91.6	75-125
Magnesium					
Manganese					
Molybdenum					
Nickel	4.9	53.0	55.8	86.3	75-125
Phosphorus					
Potassium					
Selenium	0.17	96.0	112	85.9	75-125
Silver	0.024	20.6	22.3	92.3	75-125
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc	20.6	67.6	55.8	84.3	75-125

Associated samples MP41409: DA72609-19, DA72609-20

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: DA72609
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41409 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 05/30/25

Metal	DA72609-19 Original	MSD	Spikelot ICPMS5	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	1.8	102	114	88.0	2.8	20
Barium	62.0	264	228	88.7	6.3	20
Beryllium						
Boron						
Cadmium	0.10	54.6	56.9	95.7	5.1	20
Calcium						
Chromium						
Cobalt						
Copper	5.5	57.3	56.9	91.0	4.3	20
Iron						
Lead	4.8	111	114	93.3	3.7	20
Magnesium						
Manganese						
Molybdenum						
Nickel	4.9	55.7	56.9	89.2	5.0	20
Phosphorus						
Potassium						
Selenium	0.17	100	114	87.7	4.1	20
Silver	0.024	22.0	22.8	96.5	6.6	20
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc	20.6	69.8	56.9	86.4	3.2	20

Associated samples MP41409: DA72609-19, DA72609-20

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: DA72609
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41409
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 05/30/25

Metal	BSP Result	Spikelot ICPMS5	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	96.1	100	96.1	80-120
Barium	189	200	94.5	80-120
Beryllium				
Boron				
Cadmium	48.4	50	96.8	80-120
Calcium				
Chromium				
Cobalt				
Copper	49.1	50	98.2	80-120
Iron				
Lead	96.9	100	96.9	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel	48.4	50	96.8	80-120
Phosphorus				
Potassium				
Selenium	94.6	100	94.6	80-120
Silver	19.4	20	97.0	80-120
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	47.1	50	94.2	80-120

Associated samples MP41409: DA72609-19, DA72609-20

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA72609
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41409
Matrix Type: SOLID

Methods: SW846 6020B
Units: ug/l

Prep Date: 05/30/25

Metal	DA72609-19 Original	SDL 5:25	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	16.3	16.7	2.1	0-20
Barium	550	537	2.2	0-20
Beryllium				
Boron				
Cadmium	0.913	0.00	100.0(a)	0-20
Calcium				
Chromium				
Cobalt				
Copper	48.5	47.7	1.6	0-20
Iron				
Lead	43.0	41.9	2.5	0-20
Magnesium				
Manganese				
Molybdenum				
Nickel	43.2	44.6	3.3	0-20
Phosphorus				
Potassium				
Selenium	1.49	1.46	1.8	0-20
Silver	0.212	0.00	100.0(a)	0-20
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	182	188	3.2	0-20

Associated samples MP41409: DA72609-19, DA72609-20

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: DA72609
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41446
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/03/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	500	9.9	75		
Antimony	150	30	34		
Arsenic	130	11	23		
Barium	50	.95	6.5		
Beryllium	50	.5	6.5		
Boron	250	6.3	32	7.0	<250
Cadmium	50	1.1	6.5		
Calcium	2000	28	250		
Chromium	50	3.4	6.5		
Cobalt	25	4.1	3.2		
Copper	50	2.5	6.5		
Iron	350	9.3	60		
Lead	250	21	32		
Lithium	25	10	6.5		
Magnesium	1000	35	130		
Manganese	25	.85	3.2		
Molybdenum	50	13	14		
Nickel	150	5.7	19		
Phosphorus	500	58	80		
Potassium	5000	180	630		
Selenium	250	46	110		
Silicon	1000	210	750		
Silver	150	2.8	19		
Sodium	2000	43	250		
Strontium	25	.5	3.2		
Thallium	50	30	22		
Tin	300	17	260		
Titanium	50	2.2	6.5		
Uranium	250	57	43		
Vanadium	50	5.2	6.5		
Zinc	150	3.4	19		

Associated samples MP41446: DA72609-1B, DA72609-2B, DA72609-3B, DA72609-4B, DA72609-5B, DA72609-6B, DA72609-7B, DA72609-8B, DA72609-9B, DA72609-10B, DA72609-11B, DA72609-12B, DA72609-13B, DA72609-14B, DA72609-15B, DA72609-16B, DA72609-17B, DA72609-18B, DA72609-19B, DA72609-20B

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA72609
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41446 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/03/25

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: DA72609
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41446 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/03/25

Metal	DA72609-13B Original	DUP	RPD	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	619	594	4.1	0-20
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP41446: DA72609-1B, DA72609-2B, DA72609-3B, DA72609-4B, DA72609-5B, DA72609-6B, DA72609-7B, DA72609-8B, DA72609-9B, DA72609-10B, DA72609-11B, DA72609-12B, DA72609-13B, DA72609-14B, DA72609-15B, DA72609-16B, DA72609-17B, DA72609-18B, DA72609-19B, DA72609-20B

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72609
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41446 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/03/25

	DA72609-13B		QC
Metal	Original DUP	RPD	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: DA72609
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41446
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/03/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	9380	10000	93.8	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 MP41446: DA72609-1B, DA72609-2B, DA72609-3B, DA72609-4B, DA72609-5B, DA72609-6B, DA72609-7B, DA72609-8B, DA72609-9B, DA72609-10B, DA72609-11B, DA72609-12B, DA72609-13B, DA72609-14B, DA72609-15B, DA72609-16B, DA72609-17B, DA72609-18B, DA72609-19B, DA72609-20B

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA72609
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41446 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/03/25

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: DA72609
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41446
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/03/25

Metal	DA72609-13B Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	124	121	2.2	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 MP41446: DA72609-1B, DA72609-2B, DA72609-3B, DA72609-4B, DA72609-5B, DA72609-6B, DA72609-7B, DA72609-8B, DA72609-9B, DA72609-10B, DA72609-11B, DA72609-12B, DA72609-13B, DA72609-14B, DA72609-15B, DA72609-16B, DA72609-17B, DA72609-18B, DA72609-19B, DA72609-20B

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA72609
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41446 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/03/25

	DA72609-13B		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: DA72609
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41469
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/09/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	1000	20	150		
Antimony	300	60	68		
Arsenic	250	23	46		
Barium	100	1.9	13		
Beryllium	100	1	13		
Boron	500	13	63		
Cadmium	100	2.1	13		
Calcium	4000	56	500	-72	<4000
Chromium	100	6.8	13		
Cobalt	50	8.2	6.3		
Copper	100	4.9	13		
Iron	700	19	120		
Lead	500	42	63		
Lithium	50	20	13		
Magnesium	2000	70	250	-240	<2000
Manganese	50	1.7	6.3		
Molybdenum	100	25	28		
Nickel	300	11	38		
Phosphorus	1000	120	160		
Potassium	10000	360	1300		
Selenium	500	93	220		
Silicon	2000	410	1500		
Silver	300	5.6	38		
Sodium	4000	86	500	98.0	<4000
Strontium	50	1	6.3		
Thallium	100	61	43		
Tin	600	34	510		
Titanium	100	4.3	13		
Uranium	500	110	85		
Vanadium	100	10	13		
Zinc	300	6.7	38		

Associated samples MP41469: DA72609-1A, DA72609-2A, DA72609-3A, DA72609-4A, DA72609-5A, DA72609-6A, DA72609-7A, DA72609-8A, DA72609-9A, DA72609-10A, DA72609-11A, DA72609-12A, DA72609-13A, DA72609-14A, DA72609-15A, DA72609-16A, DA72609-17A, DA72609-18A, DA72609-19A, DA72609-20A

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA72609
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41469 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/09/25

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: DA72609
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41469 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/09/25

Metal	DA72609-7A Original	MS	Spikelot ICPALL6	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium	21000	634000	625000	98.1	75-125
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Lithium					
Magnesium	12400	623000	625000	97.7	75-125
Manganese					
Molybdenum					
Nickel					
Phosphorus					
Potassium					
Selenium					
Silicon					
Silver					
Sodium	132000	736000	625000	96.6	75-125
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc					

Associated samples MP41469: DA72609-1A, DA72609-2A, DA72609-3A, DA72609-4A, DA72609-5A, DA72609-6A, DA72609-7A, DA72609-8A, DA72609-9A, DA72609-10A, DA72609-11A, DA72609-12A, DA72609-13A, DA72609-14A, DA72609-15A, DA72609-16A, DA72609-17A, DA72609-18A, DA72609-19A, DA72609-20A

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72609
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41469 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/09/25

Metal	DA72609-7A 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: DA72609
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41469 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/09/25

Metal	DA72609-7A Original	MSD	Spikelot ICPALL6	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium	21000	634000	625000	98.1	0.0	20
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Lithium						
Magnesium	12400	623000	625000	97.7	0.0	20
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium						
Silicon						
Silver						
Sodium	132000	737000	625000	96.8	0.1	20
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc						

Associated samples MP41469: DA72609-1A, DA72609-2A, DA72609-3A, DA72609-4A, DA72609-5A, DA72609-6A, DA72609-7A, DA72609-8A, DA72609-9A, DA72609-10A, DA72609-11A, DA72609-12A, DA72609-13A, DA72609-14A, DA72609-15A, DA72609-16A, DA72609-17A, DA72609-18A, DA72609-19A, DA72609-20A

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72609
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41469 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/09/25

	DA72609-7A	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: DA72609
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41469
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/09/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	616000	625000	98.6	80-120
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	613000	625000	98.1	80-120
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	614000	625000	98.2	80-120
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP41469: DA72609-1A, DA72609-2A, DA72609-3A, DA72609-4A, DA72609-5A, DA72609-6A, DA72609-7A, DA72609-8A, DA72609-9A, DA72609-10A, DA72609-11A, DA72609-12A, DA72609-13A, DA72609-14A, DA72609-15A, DA72609-16A, DA72609-17A, DA72609-18A, DA72609-19A, DA72609-20A

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA72609
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41469
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/09/25

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: DA72609
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41469
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/09/25

Metal	DA72609-7A Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	2100	28900	3.4	0-10
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	1240	1230	0.3	0-10
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	13200	13500	2.3	0-10
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP41469: DA72609-1A, DA72609-2A, DA72609-3A, DA72609-4A, DA72609-5A, DA72609-6A, DA72609-7A, DA72609-8A, DA72609-9A, DA72609-10A, DA72609-11A, DA72609-12A, DA72609-13A, DA72609-14A, DA72609-15A, DA72609-16A, DA72609-17A, DA72609-18A, DA72609-19A, DA72609-20A

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA72609
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Herbster F35-27

QC Batch ID: MP41469 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/09/25

	DA72609-7A		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

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: DA72609
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	GP38727/GN67207			mmhos/cm	9.987	10.3	102.9	90-110%
Specific Conductivity	GP38728/GN67206			mmhos/cm	9.987	10.3	102.6	90-110%

Associated Samples:
Batch GP38727: DA72609-1, DA72609-2, DA72609-3, DA72609-4, DA72609-5, DA72609-6, DA72609-7, DA72609-8, DA72609-9, DA72609-10, DA72609-11, DA72609-12, DA72609-13, DA72609-14, DA72609-15
Batch GP38728: DA72609-16, DA72609-17, DA72609-18, DA72609-19, DA72609-20
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA72609
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	GP38727/GN67207	DA72609-15	mmhos/cm	1.2	1.2	1.5	0-20%
Specific Conductivity	GP38728/GN67206	DA72516-1	mmhos/cm	0.12	0.10	17.7	0-20%

Associated Samples:
Batch GP38727: DA72609-1, DA72609-2, DA72609-3, DA72609-4, DA72609-5, DA72609-6, DA72609-7, DA72609-8, DA72609-9, DA72609-10, DA72609-11, DA72609-12, DA72609-13, DA72609-14, DA72609-15
Batch GP38728: DA72609-16, DA72609-17, DA72609-18, DA72609-19, DA72609-20
(*) Outside of QC limits

Misc. Forms

Custody Documents and Other Forms

(SGS Dayton, NJ)

Includes the following where applicable:

- Chain of Custody

SGS

CHAIN OF CUSTODY

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

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: DA72609

Client / Reporting Information

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

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	MeOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	XCRA7199,	LAB USE ONLY
1	BKG01@.5-1.5'		5/23/25	11:00:00 AM	WS	SO										X	
2	BKG01@2.5-3.5'		5/23/25	11:02:00 AM	WS	SO										X	
3	BKG01@4.5-5.5'		5/23/25	11:04:00 AM	WS	SO										X	
4	BKG01@5.5-6.5'		5/23/25	11:06:00 AM	WS	SO										X	
5	BKG02@.5-1.5'		5/23/25	10:40:00 AM	WS	SO										X	
6	BKG02@2.5-3.5'		5/23/25	10:42:00 AM	WS	SO										X	
7	BKG02@4.5-5.5'		5/23/25	10:44:00 AM	WS	SO										X	
8	BKG02@5.5-6.5'		5/23/25	10:46:00 AM	WS	SO										X	
9	BKG03@0.5-1.5'		5/23/25	10:20:00 AM	WS	SO										X	
10	BKG03@2.5-3.5'		5/23/25	10:22:00 AM	WS	SO										X	
11	BKG03@4.5-5.5'		5/23/25	10:24:00 AM	WS	SO										X	
12	BKG03@5.5-6.5'		5/23/25	10:26:00 AM	WS	SO										X	

Turnaround Time (Business days)

Approved By (SGS PM): / Date:

- [ ] Standard 10 Day (business)
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY
- [X] other Due 5/29/2025

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

Data Deliverable Information

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

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

Comments / Special Instructions

W12-24
INITIAL ASSESSMENT ZB
LABEL VERIFICATION

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

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

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		10:10 5-27-25	FEDEX	2 FEDEX 6/12/25 18:00	5/29/25 0945	2
3	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
5	Relinquished by:	Date Time:	Received By:	Custody Seal # / Intact / Not Intact	Preserved where applicable / Therm. ID:	On Ice / Cooler Temp. 2.0 0.6°

CHAIN OF CUSTODY

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

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: DA72609

Client / Reporting Information

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

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	MeOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	XCRA7199	LAB USE ONLY
13	BKG04@.5-1.5'		5/23/25	9:45:00 AM	WS	SO										X	
14	BKG04@2.5-3.5'		5/23/25	9:47:00 AM	WS	SO										X	
15	BKG04@4.5-5.5'		5/23/25	9:49:00 AM	WS	SO										X	
16	BKG04@5.5-6.5'		5/23/25	9:51:00 AM	WS	SO										X	
17	BKG05@.5-1.5'		5/23/25	9:30:00 AM	WS	SO										X	
18	BKG05@2.5-3.5'		5/23/25	9:32:00 AM	WS	SO										X	
19	BKG05@4.5-5.5'		5/23/25	9:34:00 AM	WS	SO										X	
20	BKG05@5.5-6.5'		5/23/25	9:36:00 AM	WS	SO										X	

Turnaround Time (Business days)

Approved By (SGS PM): / Date:

- [ ] Standard 10 Day (business)
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY
- [X] other Due 6/29/2026

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

Comments / Special Instructions

WI2-24

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

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

1 Relinquished by Sampler:	Date Time: 10:10 5-27-25	1 Received By:	2 Relinquished By:	Date Time: 5/29/25 0945	2 Received By:		
3 Relinquished by Sampler:	Date Time:	3 Received By: Fedex	4 Relinquished By: Fedex	Date Time: 6/2/25 10:00	4 Received By:		
5 Relinquished by:	Date Time:	5 Received By:	Custody Seal #	☐ Intact ☐ Not Intact	Preserved where applicable ☐	Therm. ID:	On Ice ☐ Cooler Temp.

SGS Sample Receipt Summary

Job Number: DA72609 **Client:** SGS NORTH AMERICA INC **Project:** TASMCOA: HERBATER F35-27

Date / Time Received: 6/12/2025 10:00:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (2.0); Cooler 2: (0.6);

Cooler Temps (Corrected) °C: Cooler 1: (2.0); Cooler 2: (0.6);

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

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

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

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

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

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

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

Comments

SM089-03
Rev. Date 12/7/17

7.1
7

DA72609: Chain of Custody
Page 3 of 5

SGS

CHAIN OF CUSTODY

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

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: DA72609

Client / Reporting Information

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

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	MeOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	XCRA7199,	LAB USE ONLY
1	BKG01@.5-1.5'		5/23/25	11:00:00 AM	WS	SO										X	
2	BKG01@2.5-3.5'		5/23/25	11:02:00 AM	WS	SO										X	
3	BKG01@4.5-5.5'		5/23/25	11:04:00 AM	WS	SO										X	
4	BKG01@5.5-6.5'		5/23/25	11:06:00 AM	WS	SO										X	
5	BKG02@.5-1.5'		5/23/25	10:40:00 AM	WS	SO										X	
6	BKG02@2.5-3.5'		5/23/25	10:42:00 AM	WS	SO										X	
7	BKG02@4.5-5.5'		5/23/25	10:44:00 AM	WS	SO										X	
8	BKG02@5.5-6.5'		5/23/25	10:46:00 AM	WS	SO										X	
9	BKG03@0.5-1.5'		5/23/25	10:20:00 AM	WS	SO										X	
10	BKG03@2.5-3.5'		5/23/25	10:22:00 AM	WS	SO										X	
11	BKG03@4.5-5.5'		5/23/25	10:24:00 AM	WS	SO										X	
12	BKG03@5.5-6.5'		5/23/25	10:26:00 AM	WS	SO										X	

Turnaround Time (Business days) | Data Deliverable Information | Comments / Special Instructions

Approved By (SGS PM): / Date:

- [ ] Standard 10 Day (business)
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY
- [X] other Due 5/29/2025

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

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

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

W12-24

INITIAL ASSESSMENT ZB
LABEL VERIFICATION

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

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

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		10:10 5-27-25	FEDEX	2 FEDEX 6/12/25 18:00	5/29/25 0945	2
3	Relinquished by Sampler:	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal # ☐ Intact ☐ Not Intact	Preserved where applicable ☐ Therm. ID:	On Ice ☐ Cooler Temp. 2.0 0.6°

SGS

CHAIN OF CUSTODY

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

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: DA72609

Client / Reporting Information

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

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

GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
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OI - Oil
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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	MeOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	XCRA7199	LAB USE ONLY
13	BKG04@.5-1.5'		5/23/25	9:45:00 AM	WS	SO										X	
14	BKG04@2.5-3.5'		5/23/25	9:47:00 AM	WS	SO										X	
15	BKG04@4.5-5.5'		5/23/25	9:49:00 AM	WS	SO										X	
16	BKG04@5.5-6.5'		5/23/25	9:51:00 AM	WS	SO										X	
17	BKG05@.5-1.5'		5/23/25	9:30:00 AM	WS	SO										X	
18	BKG05@2.5-3.5'		5/23/25	9:32:00 AM	WS	SO										X	
19	BKG05@4.5-5.5'		5/23/25	9:34:00 AM	WS	SO										X	
20	BKG05@5.5-6.5'		5/23/25	9:36:00 AM	WS	SO										X	

Turnaround Time (Business days)

Approved By (SGS PM): / Date:

- [ ] Standard 10 Day (business)
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY
- [X] other Due 6/29/2026

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

Comments / Special Instructions

WI2-24

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

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

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		5-27-25 10:10	1	2	5/29/25 0945	2
3	Relinquished by Sampler:	Date Time:	Received By: Fedex	Relinquished By: Fedex	Date Time: 6.12.25 10:00	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal # ☐ Intact ☐ Not Intact	Preserved where applicable ☐ Therm. ID:	On Ice ☐ Cooler Temp.

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: DA72609
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	GP61804/GN69614	0.40	0.0	mg/kg	40	41.1	102.8(a)	80-120%
Chromium, Hexavalent	GP61804/GN69614			mg/kg	1150	964	84.1(b)	80-120%

Associated Samples:
Batch GP61804: DA72609-1, DA72609-2, DA72609-3, DA72609-4, DA72609-5, DA72609-6, DA72609-7, DA72609-8, DA72609-9, DA72609-10, DA72609-11, DA72609-12, DA72609-13, DA72609-14, DA72609-15, DA72609-16, DA72609-17, DA72609-18, DA72609-19, DA72609-20
(*) Outside of QC limits
(a) Good recovery on soluble XCR matrix spike. Good recovery (103%) 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: DA72609
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	GP61804/GN69614	DA72609-1	mg/kg	0.0	0.0	0.0	0-20%

Associated Samples:
Batch GP61804: DA72609-1, DA72609-2, DA72609-3, DA72609-4, DA72609-5, DA72609-6, DA72609-7, DA72609-8, DA72609-9, DA72609-10, DA72609-11, DA72609-12, DA72609-13, DA72609-14, DA72609-15, DA72609-16, DA72609-17, DA72609-18, DA72609-19, DA72609-20
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA72609
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	GP61804/GN69614	DA72609-1	mg/kg	0.0	46.8	39.4	84.2(a)	75-125%
Chromium, Hexavalent	GP61804/GN69614	DA72609-1	mg/kg	0.0	1120	928	82.6(b)	75-125%

Associated Samples:
Batch GP61804: DA72609-1, DA72609-2, DA72609-3, DA72609-4, DA72609-5, DA72609-6, DA72609-7, DA72609-8, DA72609-9, DA72609-10, DA72609-11, DA72609-12, DA72609-13, DA72609-14, DA72609-15, DA72609-16, DA72609-17, DA72609-18, DA72609-19, DA72609-20
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Good recovery on soluble XCR matrix spike. Good recovery (103%) on the post-spike.
(b) Good recovery on insoluble XCR matrix spike. See additional comments on soluble matrix spike recovery.