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Automated Report

Technical Report for

Civitas

ENSOCOWR: State Whitetail 14-11-36 HZ

09C2407118 API#0512332457

SGS Job Number: DA76881

Sampling Date: 11/03/25

Report to:

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ATTN: Tanna Lyon

Total number of pages in report: **100**

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)

Sections: 1 2 3 4 5 6 7 8

Table of Contents

Table of Contents

SGS North America Inc.

Sample Summary

Civitas

Job No: DA76881

ENSOCOWR: State Whitetail 14-11-36 HZ
Project No: 09C2407118 API#0512332457

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
DA76881-1	11/03/25	11:50	EG	11/03/25	SO	Soil	NATIVE-BG01@3'
DA76881-1A	11/03/25	11:50	EG	11/03/25	SO	Soil	NATIVE-BG01@3'
DA76881-1B	11/03/25	11:50	EG	11/03/25	SO	Soil	NATIVE-BG01@3'
DA76881-2	11/03/25	11:55	EG	11/03/25	SO	Soil	NATIVE-BG01@6'
DA76881-2A	11/03/25	11:55	EG	11/03/25	SO	Soil	NATIVE-BG01@6'
DA76881-2B	11/03/25	11:55	EG	11/03/25	SO	Soil	NATIVE-BG01@6'
DA76881-3	11/03/25	12:10	EG	11/03/25	SO	Soil	NATIVE-BG02@3'
DA76881-3A	11/03/25	12:10	EG	11/03/25	SO	Soil	NATIVE-BG02@3'
DA76881-3B	11/03/25	12:10	EG	11/03/25	SO	Soil	NATIVE-BG02@3'
DA76881-4	11/03/25	12:15	EG	11/03/25	SO	Soil	NATIVE-BG02@6'
DA76881-4A	11/03/25	12:15	EG	11/03/25	SO	Soil	NATIVE-BG02@6'
DA76881-4B	11/03/25	12:15	EG	11/03/25	SO	Soil	NATIVE-BG02@6'
DA76881-5	11/03/25	12:30	EG	11/03/25	SO	Soil	NATIVE-BG03@3'

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

Sample Summary
(continued)

Civitas

Job No: DA76881

ENSOCOWR: State Whitetail 14-11-36 HZ
Project No: 09C2407118 API#0512332457

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
DA76881-5A	11/03/25	12:30	EG	11/03/25	SO	Soil	NATIVE-BG03@3'
DA76881-5B	11/03/25	12:30	EG	11/03/25	SO	Soil	NATIVE-BG03@3'
DA76881-6	11/03/25	12:35	EG	11/03/25	SO	Soil	NATIVE-BG03@6'
DA76881-6A	11/03/25	12:35	EG	11/03/25	SO	Soil	NATIVE-BG03@6'
DA76881-6B	11/03/25	12:35	EG	11/03/25	SO	Soil	NATIVE-BG03@6'
DA76881-7	11/03/25	12:50	EG	11/03/25	SO	Soil	NATIVE-BG04@3'
DA76881-7A	11/03/25	12:50	EG	11/03/25	SO	Soil	NATIVE-BG04@3'
DA76881-7B	11/03/25	12:50	EG	11/03/25	SO	Soil	NATIVE-BG04@3'
DA76881-8	11/03/25	12:55	EG	11/03/25	SO	Soil	NATIVE-BG04@6'
DA76881-8A	11/03/25	12:55	EG	11/03/25	SO	Soil	NATIVE-BG04@6'
DA76881-8B	11/03/25	12:55	EG	11/03/25	SO	Soil	NATIVE-BG04@6'
DA76881-9	11/03/25	13:10	EG	11/03/25	SO	Soil	NATIVE-BG05@3'
DA76881-9A	11/03/25	13:10	EG	11/03/25	SO	Soil	NATIVE-BG05@3'

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

Sample Summary
(continued)

Civitas

Job No: DA76881

ENSOCOWR: State Whitetail 14-11-36 HZ
Project No: 09C2407118 API#0512332457

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
DA76881-9B	11/03/25	13:10	EG	11/03/25	SO	Soil	NATIVE-BG05@3'
DA76881-10	11/03/25	13:15	EG	11/03/25	SO	Soil	NATIVE-BG05@6'
DA76881-10A	11/03/25	13:15	EG	11/03/25	SO	Soil	NATIVE-BG05@6'
DA76881-10B	11/03/25	13:15	EG	11/03/25	SO	Soil	NATIVE-BG05@6'

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

Summary of Hits

Job Number: DA76881
Account: Civitas
Project: ENSOCOWR: State Whitetail 14-11-36 HZ
Collected: 11/03/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA76881-1	**NATIVE-BG01@3'**					
Arsenic		2.2	0.20		mg/kg	SW846 6020B
Barium		52.1	2.0		mg/kg	SW846 6020B
Copper		2.2	2.0		mg/kg	SW846 6020B
Lead		4.1	0.49		mg/kg	SW846 6020B
Nickel		3.1	2.0		mg/kg	SW846 6020B
Zinc		11.2	9.8		mg/kg	SW846 6020B
pH [a]		7.75			su	WREP-125,4E-SATPASTE
Specific Conductivity [a]		0.24	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA76881-1A	**NATIVE-BG01@3'**					
Calcium		23.4	6.0		mg/l	SW846 6010C
Magnesium		5.25	3.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [b]		0.0783			ratio	USDA HANDBOOK 60
DA76881-1B	**NATIVE-BG01@3'**					
No hits reported in this sample.						
DA76881-2	**NATIVE-BG01@6'**					
Arsenic		2.9	0.19		mg/kg	SW846 6020B
Barium		49.9	1.9		mg/kg	SW846 6020B
Copper		2.2	1.9		mg/kg	SW846 6020B
Lead		3.7	0.47		mg/kg	SW846 6020B
Nickel		2.5	1.9		mg/kg	SW846 6020B
Zinc		9.6	9.4		mg/kg	SW846 6020B
pH [a]		7.91			su	WREP-125,4E-SATPASTE
Specific Conductivity [a]		0.27	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA76881-2A	**NATIVE-BG01@6'**					
Calcium		33.3	6.0		mg/l	SW846 6010C
Magnesium		4.37	3.0		mg/l	SW846 6010C
Sodium		7.68	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [b]		0.332			ratio	USDA HANDBOOK 60
DA76881-2B	**NATIVE-BG01@6'**					
No hits reported in this sample.						

Summary of Hits

Job Number: DA76881
Account: Civitas
Project: ENSOCOWR: State Whitetail 14-11-36 HZ
Collected: 11/03/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA76881-3	**NATIVE-BG02@3'**					
Arsenic		2.2	0.19		mg/kg	SW846 6020B
Barium		40.3	1.9		mg/kg	SW846 6020B
Copper		3.1	1.9		mg/kg	SW846 6020B
Lead		4.1	0.47		mg/kg	SW846 6020B
Nickel		3.2	1.9		mg/kg	SW846 6020B
Zinc		12.1	9.5		mg/kg	SW846 6020B
pH [a]		7.00			su	WREP-125,4E-SATPASTE
Specific Conductivity [a]		0.18	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA76881-3A	**NATIVE-BG02@3'**					
Calcium		54.6	6.0		mg/l	SW846 6010C
Magnesium		31.9	3.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [b]		0.0753			ratio	USDA HANDBOOK 60
DA76881-3B	**NATIVE-BG02@3'**					
No hits reported in this sample.						
DA76881-4	**NATIVE-BG02@6'**					
Arsenic		2.4	0.17		mg/kg	SW846 6020B
Barium		43.5	1.7		mg/kg	SW846 6020B
Copper		2.7	1.7		mg/kg	SW846 6020B
Lead		3.9	0.44		mg/kg	SW846 6020B
Nickel		2.5	1.7		mg/kg	SW846 6020B
Zinc		10.3	8.7		mg/kg	SW846 6020B
pH [a]		7.29			su	WREP-125,4E-SATPASTE
Specific Conductivity [a]		0.19	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA76881-4A	**NATIVE-BG02@6'**					
Calcium		42.9	6.0		mg/l	SW846 6010C
Magnesium		24.7	3.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [b]		0.162			ratio	USDA HANDBOOK 60
DA76881-4B	**NATIVE-BG02@6'**					
No hits reported in this sample.						
DA76881-5	**NATIVE-BG03@3'**					
Arsenic		2.3	0.18		mg/kg	SW846 6020B

Summary of Hits

Job Number: DA76881
Account: Civitas
Project: ENSOCOWR: State Whitetail 14-11-36 HZ
Collected: 11/03/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Barium		37.6	1.8		mg/kg	SW846 6020B
Copper		1.9	1.8		mg/kg	SW846 6020B
Lead		3.4	0.44		mg/kg	SW846 6020B
Nickel		2.5	1.8		mg/kg	SW846 6020B
Zinc		9.8	8.8		mg/kg	SW846 6020B
pH [a]		7.49			su	WREP-125,4E-SATPASTE
Specific Conductivity [a]		0.31	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA76881-5A	**NATIVE-BG03@3'**					
Calcium		185	6.0		mg/l	SW846 6010C
Magnesium		119	3.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [b]		0.0230			ratio	USDA HANDBOOK 60
DA76881-5B	**NATIVE-BG03@3'**					
No hits reported in this sample.						
DA76881-6	**NATIVE-BG03@6'**					
Arsenic		2.4	0.20		mg/kg	SW846 6020B
Barium		43.7	2.0		mg/kg	SW846 6020B
Copper		2.4	2.0		mg/kg	SW846 6020B
Lead		3.4	0.49		mg/kg	SW846 6020B
Nickel		2.4	2.0		mg/kg	SW846 6020B
pH [a]		7.53			su	WREP-125,4E-SATPASTE
Specific Conductivity [a]		0.28	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA76881-6A	**NATIVE-BG03@6'**					
Calcium		48.2	6.0		mg/l	SW846 6010C
Magnesium		28.9	3.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [b]		0.0779			ratio	USDA HANDBOOK 60
DA76881-6B	**NATIVE-BG03@6'**					
No hits reported in this sample.						
DA76881-7	**NATIVE-BG04@3'**					
Arsenic		2.1	0.19		mg/kg	SW846 6020B
Barium		29.9	1.9		mg/kg	SW846 6020B
Copper		2.8	1.9		mg/kg	SW846 6020B
Lead		3.8	0.46		mg/kg	SW846 6020B
Nickel		2.7	1.9		mg/kg	SW846 6020B

Summary of Hits

Job Number: DA76881
Account: Civitas
Project: ENSOCOWR: State Whitetail 14-11-36 HZ
Collected: 11/03/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Zinc		12.4	9.3		mg/kg	SW846 6020B
pH [a]		6.88			su	WREP-125,4E-SATPASTE
Specific Conductivity [a]		0.73	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA76881-7A	**NATIVE-BG04@3'**					
Calcium		120	6.0		mg/l	SW846 6010C
Magnesium		69.9	3.0		mg/l	SW846 6010C
Sodium		10.8	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [b]		0.194			ratio	USDA HANDBOOK 60
DA76881-7B	**NATIVE-BG04@3'**					
No hits reported in this sample.						
DA76881-8	**NATIVE-BG04@6'**					
Arsenic		2.3	0.20		mg/kg	SW846 6020B
Barium		42.1	2.0		mg/kg	SW846 6020B
Copper		2.7	2.0		mg/kg	SW846 6020B
Lead		4.0	0.49		mg/kg	SW846 6020B
Nickel		3.3	2.0		mg/kg	SW846 6020B
Zinc		12.8	9.9		mg/kg	SW846 6020B
pH [a]		7.22			su	WREP-125,4E-SATPASTE
Specific Conductivity [a]		0.30	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA76881-8A	**NATIVE-BG04@6'**					
Calcium		125	6.0		mg/l	SW846 6010C
Magnesium		69.8	3.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [b]		0.0883			ratio	USDA HANDBOOK 60
DA76881-8B	**NATIVE-BG04@6'**					
No hits reported in this sample.						
DA76881-9	**NATIVE-BG05@3'**					
Arsenic		3.0	0.17		mg/kg	SW846 6020B
Barium		46.7	1.7		mg/kg	SW846 6020B
Copper		2.4	1.7		mg/kg	SW846 6020B
Lead		3.9	0.43		mg/kg	SW846 6020B
Nickel		3.2	1.7		mg/kg	SW846 6020B
Zinc		11.9	8.7		mg/kg	SW846 6020B
pH [a]		7.21			su	WREP-125,4E-SATPASTE

Summary of Hits

Job Number: DA76881
Account: Civitas
Project: ENSOCOWR: State Whitetail 14-11-36 HZ
Collected: 11/03/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Specific Conductivity [a]		0.16	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA76881-9A	**NATIVE-BG05@3'**					
Calcium		33.2	6.0		mg/l	SW846 6010C
Magnesium		21.8	3.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [b]		0.0629			ratio	USDA HANDBOOK 60
DA76881-9B	**NATIVE-BG05@3'**					
No hits reported in this sample.						
DA76881-10	**NATIVE-BG05@6'**					
Arsenic		2.9	0.17		mg/kg	SW846 6020B
Barium		35.5	1.7		mg/kg	SW846 6020B
Copper		1.8	1.7		mg/kg	SW846 6020B
Lead		3.8	0.43		mg/kg	SW846 6020B
Nickel		3.1	1.7		mg/kg	SW846 6020B
Zinc		10.5	8.6		mg/kg	SW846 6020B
pH [a]		6.85			su	WREP-125,4E-SATPASTE
Specific Conductivity [a]		0.18	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA76881-10A	**NATIVE-BG05@6'**					
Calcium		23.8	6.0		mg/l	SW846 6010C
Magnesium		10.9	3.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [b]		0.177			ratio	USDA HANDBOOK 60
DA76881-10B	**NATIVE-BG05@6'**					
No hits reported in this sample.						

(a) Saturated paste was generated on 11/04/25.
(b) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	NATIVE-BG01@3'		
Lab Sample ID:	DA76881-1	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	97.7
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.2	0.20	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	52.1	2.0	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	< 0.098	0.098	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	2.2	2.0	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	4.1	0.49	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	3.1	2.0	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.20	0.20	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.098	0.098	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	11.2	9.8	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19832
(2) Prep QC Batch: MP44129

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG01@3'		
Lab Sample ID:	DA76881-1	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	97.7
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	97.7		%	1	11/03/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH [a]	7.75		su	1	11/04/25 19:57	GC	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity [a]	0.24	0.0010	mmhos/cm	1	11/04/25 20:02	GC	SM 2510B-2011 MOD
Chromium, Hexavalent [b]	< 0.41	0.41	mg/kg	1	12/03/25 18:39	ANJ	SW846 3060A/7199

(a) Saturated paste was generated on 11/04/25.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG01@3'		
Lab Sample ID:	DA76881-1A	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	97.7
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	23.4	6.0	mg/l	1	11/04/25	11/18/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	5.25	3.0	mg/l	1	11/04/25	11/18/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	< 6.0	6.0	mg/l	1	11/04/25	11/18/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19853
(2) Prep QC Batch: MP44157

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG01@3'		
Lab Sample ID:	DA76881-1A	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	97.7
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.0783		ratio	1	11/18/25 18:24	BR	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG01@3'		
Lab Sample ID:	DA76881-1B	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	97.7
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.25	0.25	mg/l	1	11/05/25	11/16/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19841
(2) Prep QC Batch: MP44133

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG01@6'		
Lab Sample ID:	DA76881-2	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	99.4
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.9	0.19	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	49.9	1.9	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	< 0.094	0.094	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	2.2	1.9	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	3.7	0.47	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	2.5	1.9	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.19	0.19	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.094	0.094	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	9.6	9.4	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19832
(2) Prep QC Batch: MP44129

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG01@6'		
Lab Sample ID:	DA76881-2	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	99.4
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	99.4		%	1	11/03/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH [a]	7.91		su	1	11/04/25 19:57	GC	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity [a]	0.27	0.0010	mmhos/cm	1	11/04/25 20:02	GC	SM 2510B-2011 MOD
Chromium, Hexavalent [b]	< 0.41	0.41	mg/kg	1	12/03/25 20:14	ANJ	SW846 3060A/7199

(a) Saturated paste was generated on 11/04/25.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG01@6'		
Lab Sample ID:	DA76881-2A	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	99.4
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	33.3	6.0	mg/l	1	11/04/25	11/18/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	4.37	3.0	mg/l	1	11/04/25	11/18/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	7.68	6.0	mg/l	1	11/04/25	11/18/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19853
(2) Prep QC Batch: MP44157

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG01@6'		
Lab Sample ID:	DA76881-2A	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	99.4
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.332		ratio	1	11/18/25 18:25	BR	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG01@6'		
Lab Sample ID:	DA76881-2B	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	99.4
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.25	0.25	mg/l	1	11/05/25	11/16/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19841
(2) Prep QC Batch: MP44133

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG02@3'		
Lab Sample ID:	DA76881-3	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	97.9
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.2	0.19	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	40.3	1.9	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	< 0.095	0.095	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	3.1	1.9	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	4.1	0.47	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	3.2	1.9	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.19	0.19	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.095	0.095	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	12.1	9.5	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19832
(2) Prep QC Batch: MP44129

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG02@3'		
Lab Sample ID:	DA76881-3	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	97.9
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	97.9		%	1	11/03/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH [a]	7.00		su	1	11/04/25 19:57	GC	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity [a]	0.18	0.0010	mmhos/cm	1	11/04/25 20:02	GC	SM 2510B-2011 MOD
Chromium, Hexavalent [b]	< 0.41	0.41	mg/kg	1	12/03/25 20:30	ANJ	SW846 3060A/7199

(a) Saturated paste was generated on 11/04/25.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG02@3'		
Lab Sample ID:	DA76881-3A	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	97.9
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	54.6	6.0	mg/l	1	11/04/25	11/18/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	31.9	3.0	mg/l	1	11/04/25	11/18/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	< 6.0	6.0	mg/l	1	11/04/25	11/18/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19853
(2) Prep QC Batch: MP44157

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG02@3'		
Lab Sample ID:	DA76881-3A	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	97.9
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.0753		ratio	1	11/18/25 18:27	BR	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG02@3'		
Lab Sample ID:	DA76881-3B	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	97.9
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.25	0.25	mg/l	1	11/05/25	11/16/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19841
(2) Prep QC Batch: MP44133

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG02@6'		
Lab Sample ID:	DA76881-4	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	97.8
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.4	0.17	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	43.5	1.7	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	< 0.087	0.087	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	2.7	1.7	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	3.9	0.44	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	2.5	1.7	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.17	0.17	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.087	0.087	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	10.3	8.7	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19832
(2) Prep QC Batch: MP44129

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG02@6'		
Lab Sample ID:	DA76881-4	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	97.8
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	97.8		%	1	11/03/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH [a]	7.29		su	1	11/04/25 19:57	GC	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity [a]	0.19	0.0010	mmhos/cm	1	11/04/25 20:02	GC	SM 2510B-2011 MOD
Chromium, Hexavalent [b]	< 0.41	0.41	mg/kg	1	12/03/25 21:02	ANJ	SW846 3060A/7199

(a) Saturated paste was generated on 11/04/25.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG02@6'		
Lab Sample ID:	DA76881-4A	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	97.8
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	42.9	6.0	mg/l	1	11/04/25	11/18/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	24.7	3.0	mg/l	1	11/04/25	11/18/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	< 6.0	6.0	mg/l	1	11/04/25	11/18/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19853
(2) Prep QC Batch: MP44157

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG02@6'		
Lab Sample ID:	DA76881-4A	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	97.8
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.162		ratio	1	11/18/25 18:28	BR	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG02@6'		
Lab Sample ID:	DA76881-4B	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	97.8
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.25	0.25	mg/l	1	11/05/25	11/16/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19841
(2) Prep QC Batch: MP44133

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG03@3'		
Lab Sample ID:	DA76881-5	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	96.3
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.3	0.18	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	37.6	1.8	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	< 0.088	0.088	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	1.9	1.8	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	3.4	0.44	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	2.5	1.8	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.18	0.18	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.088	0.088	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	9.8	8.8	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19832
(2) Prep QC Batch: MP44129

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG03@3'		
Lab Sample ID:	DA76881-5	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	96.3
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	96.3		%	1	11/03/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH [a]	7.49		su	1	11/04/25 19:57	GC	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity [a]	0.31	0.0010	mmhos/cm	1	11/04/25 20:02	GC	SM 2510B-2011 MOD
Chromium, Hexavalent [b]	< 0.42	0.42	mg/kg	1	12/03/25 21:18	ANJ	SW846 3060A/7199

(a) Saturated paste was generated on 11/04/25.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG03@3'		
Lab Sample ID:	DA76881-5A	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	96.3
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	185	6.0	mg/l	1	11/04/25	11/18/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	119	3.0	mg/l	1	11/04/25	11/18/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	< 6.0	6.0	mg/l	1	11/04/25	11/18/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19853
(2) Prep QC Batch: MP44157

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG03@3'		
Lab Sample ID:	DA76881-5A	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	96.3
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.0230		ratio	1	11/18/25 18:29	BR	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG03@3'		
Lab Sample ID:	DA76881-5B	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	96.3
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.25	0.25	mg/l	1	11/05/25	11/16/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19841
(2) Prep QC Batch: MP44133

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG03@6'		
Lab Sample ID:	DA76881-6	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	98.4
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.4	0.20	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	43.7	2.0	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	< 0.098	0.098	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	2.4	2.0	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	3.4	0.49	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	2.4	2.0	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.20	0.20	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.098	0.098	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	< 9.8	9.8	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19832
(2) Prep QC Batch: MP44129

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG03@6'		
Lab Sample ID:	DA76881-6	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	98.4
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	98.4		%	1	11/03/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH [a]	7.53		su	1	11/04/25 19:57	GC	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity [a]	0.28	0.0010	mmhos/cm	1	11/04/25 20:02	GC	SM 2510B-2011 MOD
Chromium, Hexavalent [b]	< 0.39	0.39	mg/kg	1	12/03/25 21:34	ANJ	SW846 3060A/7199

(a) Saturated paste was generated on 11/04/25.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG03@6'		
Lab Sample ID:	DA76881-6A	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	98.4
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	48.2	6.0	mg/l	1	11/04/25	11/18/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	28.9	3.0	mg/l	1	11/04/25	11/18/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	< 6.0	6.0	mg/l	1	11/04/25	11/18/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19853
(2) Prep QC Batch: MP44157

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG03@6'		
Lab Sample ID:	DA76881-6A	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	98.4
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.0779		ratio	1	11/18/25 18:31	BR	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG03@6'		
Lab Sample ID:	DA76881-6B	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	98.4
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.25	0.25	mg/l	1	11/05/25	11/16/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19841
(2) Prep QC Batch: MP44133

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG04@3'		
Lab Sample ID:	DA76881-7	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	98.0
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.1	0.19	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	29.9	1.9	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	< 0.093	0.093	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	2.8	1.9	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	3.8	0.46	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	2.7	1.9	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.19	0.19	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.093	0.093	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	12.4	9.3	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19832
(2) Prep QC Batch: MP44129

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG04@3'		
Lab Sample ID:	DA76881-7	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	98.0
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	98		%	1	11/03/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH [a]	6.88		su	1	11/04/25 19:57	GC	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity [a]	0.73	0.0010	mmhos/cm	1	11/04/25 20:02	GC	SM 2510B-2011 MOD
Chromium, Hexavalent [b]	< 0.39	0.39	mg/kg	1	12/03/25 21:50	ANJ	SW846 3060A/7199

(a) Saturated paste was generated on 11/04/25.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG04@3'		
Lab Sample ID:	DA76881-7A	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	98.0
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	120	6.0	mg/l	1	11/04/25	11/18/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	69.9	3.0	mg/l	1	11/04/25	11/18/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	10.8	6.0	mg/l	1	11/04/25	11/18/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19853
(2) Prep QC Batch: MP44157

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG04@3'		
Lab Sample ID:	DA76881-7A	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	98.0
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.194		ratio	1	11/18/25 18:32	BR	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG04@3'		
Lab Sample ID:	DA76881-7B	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	98.0
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.25	0.25	mg/l	1	11/05/25	11/16/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19841
(2) Prep QC Batch: MP44133

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG04@6'		
Lab Sample ID:	DA76881-8	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	97.2
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.3	0.20	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	42.1	2.0	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	< 0.099	0.099	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	2.7	2.0	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	4.0	0.49	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	3.3	2.0	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.20	0.20	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.099	0.099	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	12.8	9.9	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19832
(2) Prep QC Batch: MP44129

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG04@6'		
Lab Sample ID:	DA76881-8	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	97.2
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	97.2		%	1	11/03/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH [a]	7.22		su	1	11/04/25 19:57	GC	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity [a]	0.30	0.0010	mmhos/cm	1	11/04/25 20:02	GC	SM 2510B-2011 MOD
Chromium, Hexavalent [b]	< 0.40	0.40	mg/kg	1	12/03/25 22:06	ANJ	SW846 3060A/7199

(a) Saturated paste was generated on 11/04/25.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG04@6'		
Lab Sample ID:	DA76881-8A	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	97.2
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	125	6.0	mg/l	1	11/04/25	11/18/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	69.8	3.0	mg/l	1	11/04/25	11/18/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	< 6.0	6.0	mg/l	1	11/04/25	11/18/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19853
(2) Prep QC Batch: MP44157

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG04@6'		
Lab Sample ID:	DA76881-8A	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	97.2
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.0883		ratio	1	11/18/25 18:37	BR	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG04@6'		
Lab Sample ID:	DA76881-8B	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	97.2
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.25	0.25	mg/l	1	11/05/25	11/16/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19841
(2) Prep QC Batch: MP44133

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG05@3'		
Lab Sample ID:	DA76881-9	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	97.1
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.0	0.17	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	46.7	1.7	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	< 0.087	0.087	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	2.4	1.7	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	3.9	0.43	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	3.2	1.7	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.17	0.17	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.087	0.087	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	11.9	8.7	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19832
(2) Prep QC Batch: MP44129

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG05@3'		
Lab Sample ID:	DA76881-9	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	97.1
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	97.1		%	1	11/03/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH [a]	7.21		su	1	11/04/25 19:57	GC	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity [a]	0.16	0.0010	mmhos/cm	1	11/04/25 20:02	GC	SM 2510B-2011 MOD
Chromium, Hexavalent [b]	< 0.40	0.40	mg/kg	1	12/03/25 22:22	ANJ	SW846 3060A/7199

(a) Saturated paste was generated on 11/04/25.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG05@3'		
Lab Sample ID:	DA76881-9A	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	97.1
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	33.2	6.0	mg/l	1	11/04/25	11/18/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	21.8	3.0	mg/l	1	11/04/25	11/18/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	< 6.0	6.0	mg/l	1	11/04/25	11/18/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19853
(2) Prep QC Batch: MP44157

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG05@3'		
Lab Sample ID:	DA76881-9A	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	97.1
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.0629		ratio	1	11/18/25 18:38	BR	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG05@3'		
Lab Sample ID:	DA76881-9B	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	97.1
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.25	0.25	mg/l	1	11/05/25	11/16/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19841
(2) Prep QC Batch: MP44133

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG05@6'		
Lab Sample ID:	DA76881-10	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	97.7
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.9	0.17	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	35.5	1.7	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	< 0.086	0.086	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	1.8	1.7	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	3.8	0.43	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	3.1	1.7	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.17	0.17	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.086	0.086	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	10.5	8.6	mg/kg	10	11/04/25	11/13/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19832
(2) Prep QC Batch: MP44129

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG05@6'		
Lab Sample ID:	DA76881-10	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	97.7
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	97.7		%	1	11/03/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH [a]	6.85		su	1	11/04/25 19:57	GC	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity [a]	0.18	0.0010	mmhos/cm	1	11/04/25 20:02	GC	SM 2510B-2011 MOD
Chromium, Hexavalent [b]	< 0.42	0.42	mg/kg	1	12/03/25 22:37	ANJ	SW846 3060A/7199

(a) Saturated paste was generated on 11/04/25.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG05@6'		
Lab Sample ID:	DA76881-10A	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	97.7
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	23.8	6.0	mg/l	1	11/04/25	11/18/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	10.9	3.0	mg/l	1	11/04/25	11/18/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	< 6.0	6.0	mg/l	1	11/04/25	11/18/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19853
(2) Prep QC Batch: MP44157

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG05@6'		
Lab Sample ID:	DA76881-10A	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	97.7
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.177		ratio	1	11/18/25 18:40	BR	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NATIVE-BG05@6'		
Lab Sample ID:	DA76881-10B	**Date Sampled:**	11/03/25
Matrix:	SO - Soil	**Date Received:**	11/03/25
		Percent Solids:	97.7
Project:	ENSOCOWR: State Whitetail 14-11-36 HZ		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.25	0.25	mg/l	1	11/05/25	11/16/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19841
(2) Prep QC Batch: MP44133

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 FAX: 303-425-6854
www.sgs.com/ehsusa

Page 1 of 1

Bottle Order Control #:
FED-EX Tracking #:
SGS Quote #:
SGS Job # DA76881

Client / Reporting Information

Company: Ensolum
Street: 11004 W 44th Ave Ste 100
City, State ZIP: Wheat Ridge CO 80033
Project Contact: Tanna Lyon
Phone:
Email: tlyon@ensolum.com
Sampler(s) Name(s): Elio Garcia

Project Information

Project Name: State Whitetail 14-11-36 HZ
Street:
City, State ZIP:
Project #: 04C2407118
Client Purchase Order #: AFE. 750446
API: 05123324457
Project Manager:

Billing Information (if different from Report to)

Company: Civitas
Street Address: 650 Southgate Dr
City, State ZIP: Windsor CO 80550
Attention: Seth Robinson

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

Field ID / Point of Collection	Collection Date	Time	Sampled by	Matrix	# of bottles	Preserved Bottles: NONE	HCl	NaOH	HNO3	H2SO4	DI Water	MEOH	ENCORE	Na2S2O3	NaZSO3	Boron, EC, SAR, pH	915 metals	LAB USE ONLY
01 Native-B601e3'	11/3	1150	EG	SO	2	X										X	X	
02 Native-B601e6'		1155																
03 Native-B602e3'		1210																
04 Native-B602e6'		1215																
05 Native-B603e3'		1230																
06 Native-B603e6'		1235																
07 Native-B604e3'		1250																
08 Native-B604e6'		1255																
09 Native-B605e3'		1310																
10 Native-B605e6'		1315																

Turnaround Time (Business days)

- [x] Standard 10 Business Days
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENC

Special Reporting Instructions
- [ ] Report in PPB
- [ ] Report in PPM
- [ ] Report MDLs

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

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
- [ ] FULT1
- [ ] EDD Format

Comments / Special Instructions

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	11/3/25 1418	2 SGS	2	11/3/25 1847	2
Relinquished by Sampler:	Date/Time:	Received By:	Relinquished By:	Date/Time:	Received By:
3		3	4		4

Custody Seal # Intact Not Intact Absent
Preserved where applicable
Cooler Temp. °C: 4/1 Therm. ID
On Ice

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

SGS Sample Receipt Summary

Job Number: da76881 **Client:** ENSOLUM **Project:** STATE WHITETAIL 14-11-36HZ

Date / Time Received: 11/3/2025 2:18:00 PM **Delivery Method:** co **Airbill #'s:**

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

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

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

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

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

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles:	☑		☐	
2. Samples presented properly:	☑		☐	
3. Suffiient volume/containers recv'd for analysis:	☑		☐	
4. Condition of sample:	Intact			
5. Sample recv'd within HT:	☑		☐	
6. Dates/Times/IDs on COC match sample label:	☑		☐	
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?	☐		☑	☐

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: TERRIM Date: 11/3/2025 5:53:24 PM 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: DA76881
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Whitetail 14-11-36 HZ

QC Batch ID: MP44129
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 11/04/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	50	.52	5		
Antimony	0.40	.01	.05		
Arsenic	0.20	.05	.05	0.023	<0.20
Barium	2.0	.096	.24	0.18	<2.0
Beryllium	0.20	.077	.04		
Boron	40	18	10		
Cadmium	0.10	.03	.04	0.0030	<0.10
Calcium	400	25	30		
Chromium	2.0	.087	.6		
Cobalt	0.20	.04	.025		
Copper	2.0	.05	.25	0.0081	<2.0
Iron	20	1.6	15		
Lead	0.50	.094	.2	0.0096	<0.50
Magnesium	100	10	10		
Manganese	1.0	.079	.2		
Molybdenum	1.0	.037	.27		
Nickel	2.0	.098	.2	-0.0012	<2.0
Phosphorus	60	7.6	25		
Potassium	200	2	25		
Selenium	0.20	.05	.05	0.0070	<0.20
Silver	0.10	.0081	.03	0.0028	<0.10
Sodium	500	10	30		
Strontium	20	.1	1		
Thallium	0.20	.032	.04		
Tin	10	.22	4		
Titanium	2.0	.05	.3		
Uranium	0.20	.015	.1		
Vanadium	1.0	.14	.2		
Zinc	10	.05	1	0.76	<10

Associated samples MP44129: DA76881-1, DA76881-2, DA76881-3, DA76881-4, DA76881-5, DA76881-6, DA76881-7, DA76881-8, DA76881-9, DA76881-10

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: DA76881
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Whitetail 14-11-36 HZ

QC Batch ID: MP44129
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 11/04/25

Metal	DA76881-1 Original	MS	Spikelot ICPMS6	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	2.2	91.8	92.2	97.2	75-125
Barium	52.1	227	184	94.8	75-125
Beryllium					
Boron					
Cadmium	0.057	47.3	46.1	102.5	75-125
Calcium					
Chromium					
Cobalt					
Copper	2.2	48.1	46.1	99.6	75-125
Iron					
Lead	4.1	98.7	92.2	102.6	75-125
Magnesium					
Manganese					
Molybdenum					
Nickel	3.1	49.1	46.1	99.8	75-125
Phosphorus					
Potassium					
Selenium	0.14	90.1	92.2	97.6	75-125
Silver	0.017	15.8	18.4	85.6	75-125
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc	11.2	57.9	46.1	101.3	75-125

Associated samples MP44129: DA76881-1, DA76881-2, DA76881-3, DA76881-4, DA76881-5, DA76881-6, DA76881-7, DA76881-8, DA76881-9, DA76881-10

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: DA76881
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Whitetail 14-11-36 HZ

QC Batch ID: MP44129
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 11/04/25

Metal	DA76881-1 Original	MSD	Spikelot ICPMS6	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	2.2	101	99.4	99.4	9.5	20
Barium	52.1	244	199	96.6	7.2	20
Beryllium						
Boron						
Cadmium	0.057	51.2	49.7	102.9	7.9	20
Calcium						
Chromium						
Cobalt						
Copper	2.2	52.1	49.7	100.4	8.0	20
Iron						
Lead	4.1	106	99.4	102.5	7.1	20
Magnesium						
Manganese						
Molybdenum						
Nickel	3.1	52.8	49.7	100.0	7.3	20
Phosphorus						
Potassium						
Selenium	0.14	97.5	99.4	98.0	7.9	20
Silver	0.017	17.1	19.9	86.0	7.9	20
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc	11.2	62.1	49.7	102.4	7.0	20

Associated samples MP44129: DA76881-1, DA76881-2, DA76881-3, DA76881-4, DA76881-5, DA76881-6, DA76881-7, DA76881-8, DA76881-9, DA76881-10

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: DA76881
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Whitetail 14-11-36 HZ

QC Batch ID: MP44129
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 11/04/25

Metal	BSP Result	Spikelot ICPMS6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	101	100	101.0	80-120
Barium	197	200	98.5	80-120
Beryllium				
Boron				
Cadmium	51.5	50	103.0	80-120
Calcium				
Chromium				
Cobalt				
Copper	50.8	50	101.6	80-120
Iron				
Lead	103	100	103.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel	50.2	50	100.4	80-120
Phosphorus				
Potassium				
Selenium	101	100	101.0	80-120
Silver	17.3	20	86.5	80-120
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	49.6	50	99.2	80-120

Associated samples MP44129: DA76881-1, DA76881-2, DA76881-3, DA76881-4, DA76881-5, DA76881-6, DA76881-7, DA76881-8, DA76881-9, DA76881-10

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA76881
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Whitetail 14-11-36 HZ

QC Batch ID: MP44129
Matrix Type: SOLID

Methods: SW846 6020B
Units: ug/l

Prep Date: 11/04/25

Metal	DA76881-1 Original	SDL	10:50%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	22.6	22.6	0.1	0-20
Barium	529	485	8.3	0-20
Beryllium				
Boron				
Cadmium	0.577	0.00	100.0(a)	0-20
Calcium				
Chromium				
Cobalt				
Copper	22.5	20.4	9.1	0-20
Iron				
Lead	42.1	38.0	9.7	0-20
Magnesium				
Manganese				
Molybdenum				
Nickel	31.7	29.8	5.8	0-20
Phosphorus				
Potassium				
Selenium	1.37	0.00	100.0(a)	0-20
Silver	0.169	0.00	100.0(a)	0-20
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	114	98.2	14.1	0-20

Associated samples MP44129: DA76881-1, DA76881-2, DA76881-3, DA76881-4, DA76881-5, DA76881-6, DA76881-7, DA76881-8, DA76881-9, DA76881-10

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: DA76881
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Whitetail 14-11-36 HZ

QC Batch ID: MP44133
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 11/05/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	500	9.9	75		
Antimony	150	30	34		
Arsenic	130	11	23		
Barium	50	.95	6.5		
Beryllium	50	.5	6.5		
Boron	250	6.3	32	3.0	<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 MP44133: DA76881-1B, DA76881-2B, DA76881-3B, DA76881-4B, DA76881-5B, DA76881-6B, DA76881-7B, DA76881-8B, DA76881-9B, DA76881-10B

Results < IDL are shown as zero for calculation purposes

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA76881
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Whitetail 14-11-36 HZ

QC Batch ID: MP44133
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 11/05/25

Metal	RL	IDL	MDL	MB raw	final

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA76881
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Whitetail 14-11-36 HZ

QC Batch ID: MP44133
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 11/05/25 11/05/25

Metal	DA76881-1B Original	DUP	RPD	QC Limits	DA76881-1B Original	MS	Spikelot ICPALL6	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Boron	86.5	79.5	8.4	0-20	86.5	9100	10000	90.1	75-125
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Lithium									
Magnesium									
Manganese									
Molybdenum									
Nickel									
Phosphorus									
Potassium									
Selenium									
Silicon									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Uranium									
Vanadium									
Zinc									

Associated samples MP44133: DA76881-1B, DA76881-2B, DA76881-3B, DA76881-4B, DA76881-5B, DA76881-6B, DA76881-7B, DA76881-8B, DA76881-9B, DA76881-10B

Results < IDL are shown as zero for calculation purposes

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA76881
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Whitetail 14-11-36 HZ

QC Batch ID: MP44133
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 11/05/25 11/05/25

Metal	DA76881-1B Original DUP	RPD	QC Limits	DA76881-1B Original MS	Spikelot ICPALL6	% Rec	QC Limits

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA76881
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Whitetail 14-11-36 HZ

QC Batch ID: MP44133
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 11/05/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	8270	10000	82.7	80-120
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP44133: DA76881-1B, DA76881-2B, DA76881-3B, DA76881-4B, DA76881-5B, DA76881-6B, DA76881-7B, DA76881-8B, DA76881-9B, DA76881-10B

Results < IDL are shown as zero for calculation purposes

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA76881
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Whitetail 14-11-36 HZ

QC Batch ID: MP44133
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 11/05/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA76881
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Whitetail 14-11-36 HZ

QC Batch ID: MP44133
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 11/05/25

Metal	DA76881-1B Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	17.3	22.3	28.9 (a)	0-10
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP44133: DA76881-1B, DA76881-2B, DA76881-3B, DA76881-4B, DA76881-5B, DA76881-6B, DA76881-7B, DA76881-8B, DA76881-9B, DA76881-10B

Results < IDL are shown as zero for calculation purposes

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA76881
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Whitetail 14-11-36 HZ

QC Batch ID: MP44133 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 11/05/25

	DA76881-1B		QC
Metal	Original SDL 1:5	%DIF	Limits

(*) 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: DA76881
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Whitetail 14-11-36 HZ

QC Batch ID: MP44157
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 11/04/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	1500	30	230		
Antimony	450	90	100		
Arsenic	380	34	69		
Barium	150	2.9	20		
Beryllium	150	1.5	20		
Boron	750	19	95		
Cadmium	150	3.2	20		
Calcium	6000	84	750	97.5	<6000
Chromium	150	10	20		
Cobalt	75	12	9.5		
Copper	150	7.4	20		
Iron	1100	28	180		
Lead	750	63	95		
Lithium	75	30	20		
Magnesium	3000	110	380	110	<3000
Manganese	75	2.6	9.5		
Molybdenum	150	38	42		
Nickel	450	17	57		
Phosphorus	1500	170	240		
Potassium	15000	540	1900		
Selenium	750	140	320		
Silicon	3000	620	2300		
Silver	450	8.4	57		
Sodium	6000	130	750	230	<6000
Strontium	75	1.5	9.5		
Thallium	150	91	65		
Tin	900	51	770		
Titanium	150	6.5	20		
Uranium	750	170	130		
Vanadium	150	15	20		
Zinc	450	10	57		

Associated samples MP44157: DA76881-1A, DA76881-2A, DA76881-3A, DA76881-4A, DA76881-5A, DA76881-6A, DA76881-7A, DA76881-8A, DA76881-9A, DA76881-10A

Results < IDL are shown as zero for calculation purposes

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA76881
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Whitetail 14-11-36 HZ

QC Batch ID: MP44157
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 11/04/25

Metal	RL	IDL	MDL	MB raw	final

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA76881
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Whitetail 14-11-36 HZ

QC Batch ID: MP44157
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 11/04/25

Metal	DA76882-3A Original	MS	Spikelot ICPALL6	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium	269000	594000	375000	86.7	75-125
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Lithium					
Magnesium	43000	398000	375000	94.7	75-125
Manganese					
Molybdenum					
Nickel					
Phosphorus					
Potassium					
Selenium					
Silicon					
Silver					
Sodium	137000	466000	375000	87.7	75-125
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc					

Associated samples MP44157: DA76881-1A, DA76881-2A, DA76881-3A, DA76881-4A, DA76881-5A, DA76881-6A, DA76881-7A, DA76881-8A, DA76881-9A, DA76881-10A

Results < IDL are shown as zero for calculation purposes

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA76881
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Whitetail 14-11-36 HZ

QC Batch ID: MP44157
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 11/04/25

Metal	DA76882-3A Original MS	Spikelot ICPALL6	% Rec	QC Limits

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA76881
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Whitetail 14-11-36 HZ

QC Batch ID: MP44157 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 11/04/25

Metal	DA76882-3A Original	MSD	Spikelot ICPALL6	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium	269000	606000	375000	89.9	2.0	20
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Lithium						
Magnesium	43000	405000	375000	96.5	1.7	20
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium						
Silicon						
Silver						
Sodium	137000	472000	375000	89.3	1.3	20
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc						

Associated samples MP44157: DA76881-1A, DA76881-2A, DA76881-3A, DA76881-4A, DA76881-5A, DA76881-6A, DA76881-7A, DA76881-8A, DA76881-9A, DA76881-10A

Results < IDL are shown as zero for calculation purposes

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA76881
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Whitetail 14-11-36 HZ

QC Batch ID: MP44157 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 11/04/25

Metal	DA76882-3A Original MSD	Spikelot ICPALL6 % Rec	MSD RPD	QC Limit

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA76881
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Whitetail 14-11-36 HZ

QC Batch ID: MP44157
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 11/04/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	355000	375000	94.7	80-120
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	363000	375000	96.8	80-120
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	356000	375000	94.9	80-120
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP44157: DA76881-1A, DA76881-2A, DA76881-3A, DA76881-4A, DA76881-5A, DA76881-6A, DA76881-7A, DA76881-8A, DA76881-9A, DA76881-10A

Results < IDL are shown as zero for calculation purposes

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA76881
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Whitetail 14-11-36 HZ

QC Batch ID: MP44157
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 11/04/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA76881
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Whitetail 14-11-36 HZ

QC Batch ID: MP44157
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 11/04/25

Metal	DA76882-3A Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	17900	18300	2.1	0-10
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	2870	2980	3.8	0-10
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	9150	9210	0.7	0-10
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP44157: DA76881-1A, DA76881-2A, DA76881-3A, DA76881-4A, DA76881-5A, DA76881-6A, DA76881-7A, DA76881-8A, DA76881-9A, DA76881-10A

Results < IDL are shown as zero for calculation purposes

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA76881
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Whitetail 14-11-36 HZ

QC Batch ID: MP44157
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 11/04/25

	DA76882-3A		QC
Metal	Original SDL 1:5	%DIF	Limits

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

General Chemistry

QC Data Summaries

Includes the following where applicable:

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

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA76881
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Whitetail 14-11-36 HZ

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Specific Conductivity	GP39924/GN70430			mmhos/cm	1.409	1.5	104.3(a)	90-110%

Associated Samples:
Batch GP39924: DA76881-1, DA76881-2, DA76881-3, DA76881-4, DA76881-5, DA76881-6, DA76881-7, DA76881-8, DA76881-9, DA76881-10
(*) Outside of QC limits
(a) Saturated paste was generated on 11/04/25.

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA76881
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Whitetail 14-11-36 HZ

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GP39924/GN70430	DA76882-7	mmhos/cm	5.6	5.6(a)	1.2(a)	0-20%
pH	GN70429	DA76879-1C	su	7.67	7.67(a)	0.0(a)	0-5%

Associated Samples:
Batch GN70429: DA76881-1, DA76881-2, DA76881-3, DA76881-4, DA76881-5, DA76881-6, DA76881-7, DA76881-8, DA76881-9, DA76881-10
Batch GP39924: DA76881-1, DA76881-2, DA76881-3, DA76881-4, DA76881-5, DA76881-6, DA76881-7, DA76881-8, DA76881-9, DA76881-10
(*) Outside of QC limits
(a) Saturated paste was generated on 11/04/25.

Misc. Forms

Custody Documents and Other Forms

(SGS Dayton, NJ)

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

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

FED EX Tracking # 7944-9079-4386 | Bottle Order Control #
SGS Quote # | SGS Job # DA76881

Client / Reporting Information	Project Information
Company Name: SGS North America Inc.	Project Name: ENSOCOWR: State Whitetail 14-11-36 HZ
Street Address: 4036 Youngfield Street	Street
City: Wheat Ridge, State: CO Zip: 8003	City State
Project Contact: parna.eskandaripayandeh@sgs.com E-mail	Project #
Phone #: 303-425-6021 Fax #	Client Purchase Order #
Sampler(s) Name(s): EG Phone	Project Manager

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

Requested Analysis (see TEST CODE sheet)

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

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	XCRA7199	LAB USE ONLY
1	NATIVE-BG01@3'		11/3/25	11:50:00 AM	EG	SO										X	
2	NATIVE-BG01@6'		11/3/25	11:55:00 AM	EG	SO										X	
3	NATIVE-BG02@3'		11/3/25	12:10:00 PM	EG	SO										X	
4	NATIVE-BG02@6'		11/3/25	12:15:00 PM	EG	SO										X	
5	NATIVE-BG03@3'		11/3/25	12:30:00 PM	EG	SO										X	
6	NATIVE-BG03@6'		11/3/25	12:35:00 PM	EG	SO										X	
7	NATIVE-BG04@3'		11/3/25	12:50:00 PM	EG	SO										X	
8	NATIVE-BG04@6'		11/3/25	12:55:00 PM	EG	SO										X	
9	NATIVE-BG05@3'		11/3/25	1:10:00 PM	EG	SO										X	
10	NATIVE-BG05@6'		11/3/25	1:15:00 PM	EG	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 11/17/2025

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

Data Deliverable Information

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

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

Comments / Special Instructions

202
Initial Assessment 11-3B
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: 1	Date Time: 11/4/25	Received By: 1 Fedex	Relinquished By: 2 Fedex	Date Time: 11/05	Received By: 2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time: 10:20	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal # ☐ Intact ☐ Not intact	Preserved where applicable ☐ Therm. ID:	On Ice ☒ Cooler Temp. 2-4

7.1
7

DA76881: Chain of Custody
Page 1 of 3
SGS Dayton, NJ

SGS Sample Receipt Summary

Job Number: DA76881 **Client:** SGS NORTH AMERICA INC. **Project:** ENSOCOWR: STATE WHITETAIL 14-11-3

Date / Time Received: 11/5/2025 10:20:00 AM **Delivery Method:** FEDEX **Airbill #'s:** 744490794386

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

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

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

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

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

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

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

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

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

Comments

SM089-03
Rev. Date 12/7/17

7.1
7

DA76881: Chain of Custody
Page 2 of 3

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 # 7944-9079-4386 | Bottle Order Control #
SGS Quote # | SGS Job # DA76881

Client / Reporting Information	Project Information
Company Name: SGS North America Inc.	Project Name: ENSOCOWR: State Whitetail 14-11-36 HZ
Street Address: 4036 Youngfield Street	Street
City: Wheat Ridge, State: CO Zip: 8003	City State
Project Contact: parna.eskandaripayandeh@sgs.com E-mail	Project #
Phone #: 303-425-6021 Fax #	Client Purchase Order #
Sampler(s) Name(s): EG Phone	Project Manager

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

Requested Analysis (see TEST CODE sheet)

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2	NATIVE-BG01@6'		11/3/25	11:55:00 AM	EG	SO										X	
3	NATIVE-BG02@3'		11/3/25	12:10:00 PM	EG	SO										X	
4	NATIVE-BG02@6'		11/3/25	12:15:00 PM	EG	SO										X	
5	NATIVE-BG03@3'		11/3/25	12:30:00 PM	EG	SO										X	
6	NATIVE-BG03@6'		11/3/25	12:35:00 PM	EG	SO										X	
7	NATIVE-BG04@3'		11/3/25	12:50:00 PM	EG	SO										X	
8	NATIVE-BG04@6'		11/3/25	12:55:00 PM	EG	SO										X	
9	NATIVE-BG05@3'		11/3/25	1:10:00 PM	EG	SO										X	
10	NATIVE-BG05@6'		11/3/25	1:15:00 PM	EG	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
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- [ ] State Forms
- [ ] EDD Format
- [ ] Other
- [X] CC

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

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Initial Assessment 11-3B
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1	11/4/25	1 Fedex	2 Fedex	11/05	2
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4	10:20	4
Relinquished by:	Date Time:	Received By:	Custody Seal #	Preserved where applicable	On Ice	Cooler Temp.
5		5	[ ] Intact [ ] Not intact	[ ] Therm. ID:	[X]	2-4

7.1
7

DA76881: Chain of Custody
Page 3 of 3

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: DA76881
Account: ALMS - SGS Wheat Ridge, CO
Project: CIVITCOW: ENSOCOWR: State Whitetail 14-11-36 HZ

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chromium, Hexavalent	GP65897/GN76774	0.40	0.0	mg/kg	40	41.0	102.5	80-120%
Chromium, Hexavalent	GP65897/GN76774			mg/kg	804	740	92.0	80-120%

Associated Samples:
Batch GP65897: DA76881-1, DA76881-2, DA76881-3, DA76881-4, DA76881-5, DA76881-6, DA76881-7, DA76881-8, DA76881-9, DA76881-10
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA76881
Account: ALMS - SGS Wheat Ridge, CO
Project: CIVITCOW: ENSOCOWR: State Whitetail 14-11-36 HZ

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chromium, Hexavalent	GP65897/GN76774	DA76881-1	mg/kg	0.0	0.0	0.0	0-20%

Associated Samples:
Batch GP65897: DA76881-1, DA76881-2, DA76881-3, DA76881-4, DA76881-5, DA76881-6, DA76881-7, DA76881-8, DA76881-9, DA76881-10
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA76881
Account: ALMS - SGS Wheat Ridge, CO
Project: CIVITCOW: ENSOCOWR: State Whitetail 14-11-36 HZ

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chromium, Hexavalent	GP65897/GN76774	DA76881-1	mg/kg	0.0	40.1	36.2	90.2(a)	75-125%
Chromium, Hexavalent	GP65897/GN76774	DA76881-1	mg/kg	0.0	874	889	101.7(b)	75-125%

Associated Samples:
Batch GP65897: DA76881-1, DA76881-2, DA76881-3, DA76881-4, DA76881-5, DA76881-6, DA76881-7, DA76881-8, DA76881-9, DA76881-10
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Good recovery on soluble XCR matrix spike. Good recovery (94.8%) on the post-spike.
(b) Good recovery on insoluble XCR matrix spike. See additional comments on soluble matrix spike recovery.