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Automated Report

Technical Report for

Civitas

ENSOCOWR: State Antelope 34-12-1XRLNB

09C2407111

SGS Job Number: DA76124

Sampling Date: 10/10/25

Report to:

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Total number of pages in report: **129**

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

Civitas

Job No: DA76124

ENSOCOWR: State Antelope 34-12-1XRLNB
Project No: 09C2407111

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
DA76124-1	10/10/25	08:20	MB	10/10/25	SO	Soil	B01@6'
DA76124-1A	10/10/25	08:20	MB	10/10/25	SO	Soil	B01@6'
DA76124-1B	10/10/25	08:20	MB	10/10/25	SO	Soil	B01@6'
DA76124-2	10/10/25	08:26	MB	10/10/25	SO	Soil	NO1@3'
DA76124-2A	10/10/25	08:26	MB	10/10/25	SO	Soil	NO1@3'
DA76124-2B	10/10/25	08:26	MB	10/10/25	SO	Soil	NO1@3'
DA76124-3	10/10/25	08:30	MB	10/10/25	SO	Soil	S01@3'
DA76124-3A	10/10/25	08:30	MB	10/10/25	SO	Soil	S01@3'
DA76124-3B	10/10/25	08:30	MB	10/10/25	SO	Soil	S01@3'
DA76124-4	10/10/25	08:36	MB	10/10/25	SO	Soil	E01@3'
DA76124-4A	10/10/25	08:36	MB	10/10/25	SO	Soil	E01@3'
DA76124-4B	10/10/25	08:36	MB	10/10/25	SO	Soil	E01@3'
DA76124-5	10/10/25	08:43	MB	10/10/25	SO	Soil	W01@3'

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

Sample Summary
(continued)

Civitas

Job No: DA76124

ENSOCOWR: State Antelope 34-12-1XRLNB
Project No: 09C2407111

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
DA76124-5A	10/10/25	08:43	MB	10/10/25	SO	Soil	W01@3'
DA76124-5B	10/10/25	08:43	MB	10/10/25	SO	Soil	W01@3'
DA76124-6	10/10/25	08:50	MB	10/10/25	SO	Soil	WH-RISER@5'
DA76124-6A	10/10/25	08:50	MB	10/10/25	SO	Soil	WH-RISER@5'
DA76124-6B	10/10/25	08:50	MB	10/10/25	SO	Soil	WH-RISER@5'
DA76124-7	10/10/25	09:30	MB	10/10/25	SO	Soil	SEP-INLET@4'
DA76124-7A	10/10/25	09:30	MB	10/10/25	SO	Soil	SEP-INLET@4'
DA76124-7B	10/10/25	09:30	MB	10/10/25	SO	Soil	SEP-INLET@4'

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

Summary of Hits

Job Number: DA76124
Account: Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB
Collected: 10/10/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA76124-1	**B01@6'**					
Arsenic		2.3	0.15		mg/kg	SW846 6020B
Barium		53.1	1.5		mg/kg	SW846 6020B
Copper		3.5	1.5		mg/kg	SW846 6020B
Lead		4.0	0.38		mg/kg	SW846 6020B
Nickel		2.8	1.5		mg/kg	SW846 6020B
Zinc		13.8	7.6		mg/kg	SW846 6020B
pH		8.12			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.50	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA76124-1A	**B01@6'**					
Calcium		46.6	6.0		mg/l	SW846 6010C
Magnesium		6.89	3.0		mg/l	SW846 6010C
Sodium		16.3	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		0.589			ratio	USDA HANDBOOK 60
DA76124-1B	**B01@6'**					
No hits reported in this sample.						
DA76124-2	**NO1@3'**					
TPH-DRO (C10-C28)		11.6	4.2		mg/kg	SW846-8015C
TPH-ORO (> C28-C36)		24.1	6.3		mg/kg	SW846-8015C
Arsenic		2.4	0.14		mg/kg	SW846 6020B
Barium		107	1.4		mg/kg	SW846 6020B
Cadmium		0.18	0.071		mg/kg	SW846 6020B
Copper		4.9	1.4		mg/kg	SW846 6020B
Lead		3.7	0.35		mg/kg	SW846 6020B
Nickel		2.4	1.4		mg/kg	SW846 6020B
Zinc		14.1	7.1		mg/kg	SW846 6020B
pH		8.19			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.20	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA76124-2A	**NO1@3'**					
Calcium		29.9	6.0		mg/l	SW846 6010C
Magnesium		3.58	3.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		0.135			ratio	USDA HANDBOOK 60
DA76124-2B	**NO1@3'**					
No hits reported in this sample.						

Summary of Hits

Job Number: DA76124
Account: Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB
Collected: 10/10/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA76124-3	**S01@3'**					
TPH-DRO (C10-C28)		4.42	4.4		mg/kg	SW846-8015C
TPH-ORO (> C28-C36)		9.62	6.6		mg/kg	SW846-8015C
Arsenic		2.1	0.13		mg/kg	SW846 6020B
Barium		97.8	1.3		mg/kg	SW846 6020B
Cadmium		0.070	0.065		mg/kg	SW846 6020B
Copper		3.2	1.3		mg/kg	SW846 6020B
Lead		4.3	0.33		mg/kg	SW846 6020B
Nickel		2.2	1.3		mg/kg	SW846 6020B
Zinc		11.5	6.5		mg/kg	SW846 6020B
pH		8.07			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.26	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA76124-3A	**S01@3'**					
Calcium		35.2	6.0		mg/l	SW846 6010C
Magnesium		6.68	3.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		0.151			ratio	USDA HANDBOOK 60
DA76124-3B	**S01@3'**					
No hits reported in this sample.						
DA76124-4	**E01@3'**					
Arsenic		2.6	0.13		mg/kg	SW846 6020B
Barium		66.6	1.3		mg/kg	SW846 6020B
Cadmium		0.068	0.063		mg/kg	SW846 6020B
Copper		2.9	1.3		mg/kg	SW846 6020B
Lead		4.3	0.32		mg/kg	SW846 6020B
Nickel		2.4	1.3		mg/kg	SW846 6020B
Zinc		11.9	6.3		mg/kg	SW846 6020B
pH		7.76			su	WREP-125,4E-SATPASTE
Specific Conductivity		1.1	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA76124-4A	**E01@3'**					
Calcium		127	6.0		mg/l	SW846 6010C
Magnesium		21.2	3.0		mg/l	SW846 6010C
Sodium		7.80	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		0.169			ratio	USDA HANDBOOK 60

Summary of Hits

Job Number: DA76124
Account: Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB
Collected: 10/10/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA76124-4B	**E01@3'**					
No hits reported in this sample.						
DA76124-5	**W01@3'**					
Arsenic		2.0	0.15		mg/kg	SW846 6020B
Barium		30.1	1.5		mg/kg	SW846 6020B
Copper		2.1	1.5		mg/kg	SW846 6020B
Lead		3.1	0.38		mg/kg	SW846 6020B
Nickel		1.6	1.5		mg/kg	SW846 6020B
Zinc		9.3	7.6		mg/kg	SW846 6020B
pH		7.98			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.29	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA76124-5A	**W01@3'**					
Calcium		30.6	6.0		mg/l	SW846 6010C
Magnesium		6.21	3.0		mg/l	SW846 6010C
Sodium		14.5	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		0.624			ratio	USDA HANDBOOK 60
DA76124-5B	**W01@3'**					
No hits reported in this sample.						
DA76124-6	**WH-RISER@5'**					
TPH-DRO (C10-C28)		19.3	4.3		mg/kg	SW846-8015C
TPH-ORO (> C28-C36)		28.3	6.5		mg/kg	SW846-8015C
Arsenic		2.0	0.13		mg/kg	SW846 6020B
Barium		119	1.3		mg/kg	SW846 6020B
Cadmium		0.073	0.063		mg/kg	SW846 6020B
Copper		3.4	1.3		mg/kg	SW846 6020B
Lead		5.6	0.32		mg/kg	SW846 6020B
Nickel		2.1	1.3		mg/kg	SW846 6020B
Zinc		11.3	6.3		mg/kg	SW846 6020B
pH		8.13			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.30	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA76124-6A	**WH-RISER@5'**					
Calcium		38.3	6.0		mg/l	SW846 6010C
Magnesium		7.02	3.0		mg/l	SW846 6010C
Sodium		11.8	6.0		mg/l	SW846 6010C

Summary of Hits

Job Number: DA76124
Account: Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB
Collected: 10/10/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Sodium Adsorption Ratio [a]		0.460			ratio	USDA HANDBOOK 60
DA76124-6B	**WH-RISER@5'**					
No hits reported in this sample.						
DA76124-7	**SEP-INLET@4'**					
Arsenic		2.9	0.17		mg/kg	SW846 6020B
Barium		65.4	1.7		mg/kg	SW846 6020B
Copper		2.9	1.7		mg/kg	SW846 6020B
Lead		4.8	0.41		mg/kg	SW846 6020B
Nickel		4.0	1.7		mg/kg	SW846 6020B
Zinc		20.2	8.3		mg/kg	SW846 6020B
pH		8.16			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.30	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA76124-7A	**SEP-INLET@4'**					
Calcium		33.2	6.0		mg/l	SW846 6010C
Magnesium		9.74	3.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		0.180			ratio	USDA HANDBOOK 60
DA76124-7B	**SEP-INLET@4'**					
No hits reported in this sample.						

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

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	B01@6'		
Lab Sample ID:	DA76124-1	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
Method:	SW846 8260D	**Percent Solids:**	88.8
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V65184.D	1	10/14/25 19:04	MB	n/a	n/a	V6V3061
Run #2							

	Initial Weight	Final Volume
Run #1	5.35 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	142% [a]		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%
17060-07-0	1,2-Dichloroethane-D4	102%		70-130%

(a) Outside control limits due to possible matrix interference.

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

Report of Analysis

Client Sample ID:	B01@6'		
Lab Sample ID:	DA76124-1	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	88.8
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G01518.D	1	10/16/25 12:16	ZL	10/15/25 10:00	OP28896	E9G66
Run #2							

	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

COGCC Table 915-1 PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	90%		22-138%
4165-60-0	Nitrobenzene-d5	98%		32-143%
1718-51-0	Terphenyl-d14	90%		48-149%

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

Report of Analysis

Client Sample ID:	B01@6'		
Lab Sample ID:	DA76124-1	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	88.8
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FH081382.D	1	10/15/25 15:39	JB	10/13/25 10:30	OP28888	GFH24016
Run #2							

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

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	< 4.2	4.2	mg/kg	
	TPH-ORO (> C28-C36)	< 6.4	6.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	101%		20-142%

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

Report of Analysis

Client Sample ID:	B01@6'		
Lab Sample ID:	DA76124-1	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	88.8
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.3	0.15	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	53.1	1.5	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	< 0.076	0.076	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	3.5	1.5	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	4.0	0.38	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	2.8	1.5	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.15	0.15	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.076	0.076	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	13.8	7.6	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19745
(2) Prep QC Batch: MP43572

RL = Reporting Limit

Report of Analysis

Client Sample ID:	B01@6'		
Lab Sample ID:	DA76124-1	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	88.8
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	88.8		%	1	10/13/25	AZ	SM2540G-2011 M
pH-saturated paste method							
pH	8.12		su	1	10/14/25 18:25	GC	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.50	0.0010	mmhos/cm	1	10/14/25 18:32	GC	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.44	0.44	mg/kg	1	11/08/25 15:16	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	B01@6'		
Lab Sample ID:	DA76124-1A	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	88.8
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	46.6	6.0	mg/l	1	10/14/25	10/21/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	6.89	3.0	mg/l	1	10/14/25	10/21/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	16.3	6.0	mg/l	1	10/14/25	10/21/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19752
(2) Prep QC Batch: MP43616

RL = Reporting Limit

Report of Analysis

Client Sample ID:	B01@6'		
Lab Sample ID:	DA76124-1A	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	88.8
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.589		ratio	1	10/21/25 15:57	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:	B01@6'		
Lab Sample ID:	DA76124-1B	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	88.8
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

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	10/15/25	10/17/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19739
(2) Prep QC Batch: MP43570

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NO1@3'		
Lab Sample ID:	DA76124-2	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
Method:	SW846 8260D	**Percent Solids:**	91.0
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V65185.D	1	10/14/25 19:27	MB	n/a	n/a	V6V3061
Run #2							

	Initial Weight	Final Volume
Run #1	5.47 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	103%		70-130%
17060-07-0	1,2-Dichloroethane-D4	107%		70-130%

RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	NO1@3'		
Lab Sample ID:	DA76124-2	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	91.0
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G01519.D	1	10/16/25 12:36	ZL	10/15/25 10:00	OP28896	E9G66
Run #2							

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

COGCC Table 915-1 PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	91%		22-138%
4165-60-0	Nitrobenzene-d5	98%		32-143%
1718-51-0	Terphenyl-d14	90%		48-149%

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

Report of Analysis

Client Sample ID:	NO1@3'		
Lab Sample ID:	DA76124-2	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	91.0
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FH081383.D	1	10/15/25 15:52	JB	10/13/25 10:30	OP28888	GFH24016
Run #2							

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

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	11.6	4.2	mg/kg	
	TPH-ORO (> C28-C36)	24.1	6.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	100%		20-142%

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

Report of Analysis

Client Sample ID:	NO1@3'		
Lab Sample ID:	DA76124-2	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	91.0
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.4	0.14	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	107	1.4	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.18	0.071	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	4.9	1.4	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	3.7	0.35	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	2.4	1.4	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.14	0.14	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.071	0.071	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	14.1	7.1	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19745
(2) Prep QC Batch: MP43572

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NO1@3'		
Lab Sample ID:	DA76124-2	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	91.0
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	91		%	1	10/13/25	AZ	SM2540G-2011 M
pH-saturated paste method							
pH	8.19		su	1	10/14/25 18:25	GC	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.20	0.0010	mmhos/cm	1	10/14/25 18:32	GC	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.43	0.43	mg/kg	1	11/08/25 15:32	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NO1@3'		
Lab Sample ID:	DA76124-2A	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	91.0
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	29.9	6.0	mg/l	1	10/14/25	10/21/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	3.58	3.0	mg/l	1	10/14/25	10/21/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	< 6.0	6.0	mg/l	1	10/14/25	10/21/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19752
(2) Prep QC Batch: MP43616

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NO1@3'		
Lab Sample ID:	DA76124-2A	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	91.0
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.135		ratio	1	10/21/25 16:02	BR	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NO1@3'		
Lab Sample ID:	DA76124-2B	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	91.0
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

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	10/15/25	10/17/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19739
(2) Prep QC Batch: MP43570

RL = Reporting Limit

Report of Analysis

Client Sample ID:	S01@3'		
Lab Sample ID:	DA76124-3	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
Method:	SW846 8260D	**Percent Solids:**	90.4
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V65186.D	1	10/14/25 19:49	MB	n/a	n/a	V6V3061
Run #2							

	Initial Weight	Final Volume
Run #1	5.36 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	90%		70-130%
460-00-4	4-Bromofluorobenzene	106%		70-130%
17060-07-0	1,2-Dichloroethane-D4	99%		70-130%

RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	S01@3'		
Lab Sample ID:	DA76124-3	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	90.4
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G01520.D	1	10/16/25 12:56	ZL	10/15/25 10:00	OP28896	E9G66
Run #2							

	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

COGCC Table 915-1 PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	90%		22-138%
4165-60-0	Nitrobenzene-d5	99%		32-143%
1718-51-0	Terphenyl-d14	96%		48-149%

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

Report of Analysis

Client Sample ID:	S01@3'		
Lab Sample ID:	DA76124-3	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	90.4
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FH081384.D	1	10/15/25 16:06	JB	10/13/25 10:30	OP28888	GFH24016
Run #2							

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

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	4.42	4.4	mg/kg	
	TPH-ORO (> C28-C36)	9.62	6.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	105%		20-142%

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

Report of Analysis

Client Sample ID:	S01@3'		
Lab Sample ID:	DA76124-3	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	90.4
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.1	0.13	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	97.8	1.3	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.070	0.065	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	3.2	1.3	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	4.3	0.33	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	2.2	1.3	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.13	0.13	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.065	0.065	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	11.5	6.5	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19745
(2) Prep QC Batch: MP43572

RL = Reporting Limit

Report of Analysis

Client Sample ID:	S01@3'		
Lab Sample ID:	DA76124-3	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	90.4
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	90.4		%	1	10/13/25	AZ	SM2540G-2011 M
pH-saturated paste method							
pH	8.07		su	1	10/14/25 18:25	GC	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.26	0.0010	mmhos/cm	1	10/14/25 18:32	GC	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.43	0.43	mg/kg	1	11/08/25 15:48	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	S01@3'		
Lab Sample ID:	DA76124-3A	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	90.4
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	35.2	6.0	mg/l	1	10/14/25	10/21/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	6.68	3.0	mg/l	1	10/14/25	10/21/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	< 6.0	6.0	mg/l	1	10/14/25	10/21/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19752
(2) Prep QC Batch: MP43616

RL = Reporting Limit

Report of Analysis

Client Sample ID:	S01@3'		
Lab Sample ID:	DA76124-3A	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	90.4
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.151		ratio	1	10/21/25 16:03	BR	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	S01@3'		
Lab Sample ID:	DA76124-3B	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	90.4
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

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	10/15/25	10/17/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19739
(2) Prep QC Batch: MP43570

RL = Reporting Limit

Report of Analysis

Client Sample ID:	E01@3'		
Lab Sample ID:	DA76124-4	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
Method:	SW846 8260D	**Percent Solids:**	90.0
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V65187.D	1	10/14/25 20:11	MB	n/a	n/a	V6V3061
Run #2							

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

VOA COGCC Table 915 soil list

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%
17060-07-0	1,2-Dichloroethane-D4	101%		70-130%

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

Report of Analysis

Client Sample ID:	E01@3'		
Lab Sample ID:	DA76124-4	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	90.0
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G01521.D	1	10/16/25 13:16	ZL	10/15/25 10:00	OP28896	E9G66
Run #2							

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

COGCC Table 915-1 PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	< 0.0043	0.0043	mg/kg	
120-12-7	Anthracene	< 0.0043	0.0043	mg/kg	
56-55-3	Benzo(a)anthracene	< 0.0053	0.0053	mg/kg	
205-99-2	Benzo(b)fluoranthene	< 0.0043	0.0043	mg/kg	
207-08-9	Benzo(k)fluoranthene	< 0.0043	0.0043	mg/kg	
50-32-8	Benzo(a)pyrene	< 0.0043	0.0043	mg/kg	
218-01-9	Chrysene	< 0.0043	0.0043	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	< 0.0043	0.0043	mg/kg	
206-44-0	Fluoranthene	< 0.0043	0.0043	mg/kg	
86-73-7	Fluorene	< 0.0043	0.0043	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	< 0.0043	0.0043	mg/kg	
90-12-0	1-Methylnaphthalene	< 0.0043	0.0043	mg/kg	
91-57-6	2-Methylnaphthalene	< 0.0043	0.0043	mg/kg	
91-20-3	Naphthalene	< 0.0021	0.0021	mg/kg	
129-00-0	Pyrene	< 0.0043	0.0043	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	74%		22-138%
4165-60-0	Nitrobenzene-d5	82%		32-143%
1718-51-0	Terphenyl-d14	74%		48-149%

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

Report of Analysis

Client Sample ID:	E01@3'		
Lab Sample ID:	DA76124-4	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	90.0
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FH081385.D	1	10/15/25 16:19	JB	10/13/25 10:30	OP28888	GFH24016
Run #2							

	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

DRO C10-C28, ORO > C28-C36

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	103%		20-142%

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

Report of Analysis

Client Sample ID:	E01@3'		
Lab Sample ID:	DA76124-4	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	90.0
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.6	0.13	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	66.6	1.3	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.068	0.063	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	2.9	1.3	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	4.3	0.32	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	2.4	1.3	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.13	0.13	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.063	0.063	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	11.9	6.3	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19745
(2) Prep QC Batch: MP43572

RL = Reporting Limit

Report of Analysis

Client Sample ID:	E01@3'		
Lab Sample ID:	DA76124-4	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	90.0
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	90		%	1	10/13/25	AZ	SM2540G-2011 M
pH-saturated paste method							
pH	7.76		su	1	10/14/25 18:25	GC	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	1.1	0.0010	mmhos/cm	1	10/14/25 18:32	GC	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.44	0.44	mg/kg	1	11/08/25 16:04	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	E01@3'		
Lab Sample ID:	DA76124-4A	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	90.0
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	127	6.0	mg/l	1	10/14/25	10/21/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	21.2	3.0	mg/l	1	10/14/25	10/21/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	7.80	6.0	mg/l	1	10/14/25	10/21/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19752
(2) Prep QC Batch: MP43616

RL = Reporting Limit

Report of Analysis

Client Sample ID:	E01@3'		
Lab Sample ID:	DA76124-4A	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	90.0
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.169		ratio	1	10/21/25 16:04	BR	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	E01@3'		
Lab Sample ID:	DA76124-4B	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	90.0
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

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	10/15/25	10/17/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19739
(2) Prep QC Batch: MP43570

RL = Reporting Limit

Report of Analysis

Client Sample ID:	W01@3'		
Lab Sample ID:	DA76124-5	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
Method:	SW846 8260D	**Percent Solids:**	93.2
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V65188.D	1	10/14/25 20:34	MB	n/a	n/a	V6V3061
Run #2							

	Initial Weight	Final Volume
Run #1	5.08 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	78%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	107%		70-130%
17060-07-0	1,2-Dichloroethane-D4	98%		70-130%

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

Report of Analysis

Client Sample ID:	W01@3'		
Lab Sample ID:	DA76124-5	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	93.2
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G01512.D	1	10/16/25 10:17	ZL	10/15/25 10:00	OP28896	E9G66
Run #2							

	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

COGCC Table 915-1 PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	92%		22-138%
4165-60-0	Nitrobenzene-d5	100%		32-143%
1718-51-0	Terphenyl-d14	92%		48-149%

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

Report of Analysis

Client Sample ID:	W01@3'		
Lab Sample ID:	DA76124-5	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	93.2
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FH081386.D	1	10/15/25 16:32	JB	10/13/25 10:30	OP28888	GFH24016
Run #2							

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

DRO C10-C28, ORO > C28-C36

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	101%		20-142%

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

Report of Analysis

Client Sample ID:	W01@3'		
Lab Sample ID:	DA76124-5	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	93.2
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.0	0.15	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	30.1	1.5	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	< 0.076	0.076	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	2.1	1.5	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	3.1	0.38	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	1.6	1.5	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.15	0.15	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.076	0.076	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	9.3	7.6	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19745
(2) Prep QC Batch: MP43572

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	W01@3'		
Lab Sample ID:	DA76124-5	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	93.2
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	93.2		%	1	10/13/25	AZ	SM2540G-2011 M
pH-saturated paste method							
pH	7.98		su	1	10/14/25 18:25	GC	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.29	0.0010	mmhos/cm	1	10/14/25 18:32	GC	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.43	0.43	mg/kg	1	11/08/25 16:20	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	W01@3'		
Lab Sample ID:	DA76124-5A	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	93.2
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	30.6	6.0	mg/l	1	10/14/25	10/21/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	6.21	3.0	mg/l	1	10/14/25	10/21/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	14.5	6.0	mg/l	1	10/14/25	10/21/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19752
(2) Prep QC Batch: MP43616

RL = Reporting Limit

Report of Analysis

Client Sample ID:	W01@3'		
Lab Sample ID:	DA76124-5A	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	93.2
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.624		ratio	1	10/21/25 16:06	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:	W01@3'		
Lab Sample ID:	DA76124-5B	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	93.2
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

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	10/15/25	10/17/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19739
(2) Prep QC Batch: MP43570

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WH-RISER@5'		
Lab Sample ID:	DA76124-6	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
Method:	SW846 8260D	**Percent Solids:**	89.8
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V65189.D	1	10/14/25 20:56	MB	n/a	n/a	V6V3061
Run #2							

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

VOA COGCC Table 915 soil list

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	96%		70-130%
17060-07-0	1,2-Dichloroethane-D4	100%		70-130%

RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	WH-RISER@5'		
Lab Sample ID:	DA76124-6	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	89.8
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G01522.D	1	10/16/25 13:36	ZL	10/15/25 10:00	OP28896	E9G66
Run #2							

	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

COGCC Table 915-1 PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	93%		22-138%
4165-60-0	Nitrobenzene-d5	102%		32-143%
1718-51-0	Terphenyl-d14	96%		48-149%

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

Report of Analysis

Client Sample ID:	WH-RISER@5'		
Lab Sample ID:	DA76124-6	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	89.8
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FH081387.D	1	10/15/25 16:46	JB	10/13/25 10:30	OP28888	GFH24016
Run #2							

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

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	19.3	4.3	mg/kg	
	TPH-ORO (> C28-C36)	28.3	6.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	101%		20-142%

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

Report of Analysis

Client Sample ID:	WH-RISER@5'		
Lab Sample ID:	DA76124-6	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	89.8
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.0	0.13	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	119	1.3	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.073	0.063	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	3.4	1.3	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	5.6	0.32	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	2.1	1.3	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.13	0.13	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.063	0.063	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	11.3	6.3	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19745
(2) Prep QC Batch: MP43572

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WH-RISER@5'		
Lab Sample ID:	DA76124-6	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	89.8
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	89.8		%	1	10/13/25	AZ	SM2540G-2011 M
pH-saturated paste method							
pH	8.13		su	1	10/14/25 18:25	GC	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.30	0.0010	mmhos/cm	1	10/14/25 18:32	GC	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.43	0.43	mg/kg	1	11/08/25 16:36	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WH-RISER@5'		
Lab Sample ID:	DA76124-6A	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	89.8
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	38.3	6.0	mg/l	1	10/14/25	10/21/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	7.02	3.0	mg/l	1	10/14/25	10/21/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	11.8	6.0	mg/l	1	10/14/25	10/21/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19752
(2) Prep QC Batch: MP43616

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WH-RISER@5'		
Lab Sample ID:	DA76124-6A	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	89.8
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.460		ratio	1	10/21/25 16:07	BR	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WH-RISER@5'		
Lab Sample ID:	DA76124-6B	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	89.8
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

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	10/15/25	10/17/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19739
(2) Prep QC Batch: MP43570

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP-INLET@4'		
Lab Sample ID:	DA76124-7	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
Method:	SW846 8260D	**Percent Solids:**	88.2
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V65190.D	1	10/14/25 21:18	MB	n/a	n/a	V6V3061
Run #2							

	Initial Weight	Final Volume
Run #1	5.22 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	66% [a]		70-130%
460-00-4	4-Bromofluorobenzene	85%		70-130%
17060-07-0	1,2-Dichloroethane-D4	97%		70-130%

(a) Outside control limits due to possible matrix interference.

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

Report of Analysis

Client Sample ID:	SEP-INLET@4'		
Lab Sample ID:	DA76124-7	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	88.2
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9G01523.D	1	10/16/25 13:56	ZL	10/15/25 10:00	OP28896	E9G66
Run #2							

	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

COGCC Table 915-1 PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	< 0.0044	0.0044	mg/kg	
120-12-7	Anthracene	< 0.0044	0.0044	mg/kg	
56-55-3	Benzo(a)anthracene	< 0.0056	0.0056	mg/kg	
205-99-2	Benzo(b)fluoranthene	< 0.0044	0.0044	mg/kg	
207-08-9	Benzo(k)fluoranthene	< 0.0044	0.0044	mg/kg	
50-32-8	Benzo(a)pyrene	< 0.0044	0.0044	mg/kg	
218-01-9	Chrysene	< 0.0044	0.0044	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	< 0.0044	0.0044	mg/kg	
206-44-0	Fluoranthene	< 0.0044	0.0044	mg/kg	
86-73-7	Fluorene	< 0.0044	0.0044	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	< 0.0044	0.0044	mg/kg	
90-12-0	1-Methylnaphthalene	< 0.0044	0.0044	mg/kg	
91-57-6	2-Methylnaphthalene	< 0.0044	0.0044	mg/kg	
91-20-3	Naphthalene	< 0.0022	0.0022	mg/kg	
129-00-0	Pyrene	< 0.0044	0.0044	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	93%		22-138%
4165-60-0	Nitrobenzene-d5	100%		32-143%
1718-51-0	Terphenyl-d14	89%		48-149%

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

Report of Analysis

Client Sample ID:	SEP-INLET@4'		
Lab Sample ID:	DA76124-7	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	88.2
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FH081388.D	1	10/15/25 16:59	JB	10/13/25 10:30	OP28888	GFH24016
Run #2							

	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

DRO C10-C28, ORO > C28-C36

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		20-142%

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

Report of Analysis

Client Sample ID:	SEP-INLET@4'		
Lab Sample ID:	DA76124-7	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	88.2
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.9	0.17	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	65.4	1.7	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	< 0.083	0.083	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	2.9	1.7	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	4.8	0.41	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	4.0	1.7	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.17	0.17	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.083	0.083	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	20.2	8.3	mg/kg	10	10/13/25	10/20/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19745
(2) Prep QC Batch: MP43572

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP-INLET@4'		
Lab Sample ID:	DA76124-7	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	88.2
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	88.2		%	1	10/13/25	AZ	SM2540G-2011 M
pH-saturated paste method							
pH	8.16		su	1	10/14/25 18:25	GC	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.30	0.0010	mmhos/cm	1	10/14/25 18:32	GC	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.46	0.46	mg/kg	1	11/08/25 16:51	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP-INLET@4'		
Lab Sample ID:	DA76124-7A	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	88.2
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	33.2	6.0	mg/l	1	10/14/25	10/21/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	9.74	3.0	mg/l	1	10/14/25	10/21/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	< 6.0	6.0	mg/l	1	10/14/25	10/21/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19752
(2) Prep QC Batch: MP43618

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP-INLET@4'		
Lab Sample ID:	DA76124-7A	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	88.2
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.180		ratio	1	10/21/25 20:15	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:	SEP-INLET@4'		
Lab Sample ID:	DA76124-7B	**Date Sampled:**	10/10/25
Matrix:	SO - Soil	**Date Received:**	10/10/25
		Percent Solids:	88.2
Project:	ENSOCOWR: State Antelope 34-12-1XRLNB		

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	10/15/25	10/17/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19739
(2) Prep QC Batch: MP43570

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 #: DA76124

Client / Reporting Information
Company: Ensolum
Street: 11049 W. 44th Ave.
City, State ZIP: Wheat Ridge, CO 80033
Project Contact: Tanna Lyon
Phone: 720 363 6416
Email: tlyon@ensolum.com
Sampler(s) Name(s): Max Buffy

Project Information
Project Name: State Antelope 34-12-1XRLNB
Street:
City, State ZIP:
Project #: 04C2407111
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)
Company: Civitas CO
Street Address: 650 Southgate Dr.
City, State ZIP: Windsor, CO 80550
Attention: Seth Robinson

Requested Analysis (see TEST CODE sheet)
Full table 915-1

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	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: NONE	HCl	NaOH	HNO3	H2SO4	DI Water	MEOH	ENCORE	Na2S2O3	Na2SO3	Requested Analysis	LAB USE ONLY
B01@6'	10/16	820	MB	SO	3	X										X	
N01@3'		826															
S01@3'		830															
E01@3'		836															
W01@3'		843															
WH-Riser@5'		850															
Sep-Inlet@4'		936															

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 M. Buffy	10/16/25 1110	1	2		2
Relinquished by Sampler:	Date/Time:	Received By:	Relinquished By:	Date/Time:	Received By:
3		3	4		4

Custody Seal # Intact [X] Not Intact [ ] Absent [ ]
Preserved where applicable [X] Cooler Temp. °C: 3.5 Therm. ID: TR6 On Ice [X]

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

DA76124: Chain of Custody
Page 1 of 2

SGS Sample Receipt Summary

Job Number: da76124 **Client:** ENSOLUM **Project:** STATE ANTELOPE 43-12-1XRLNB

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

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

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

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

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

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

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

Misc Information

Number of Encores: 25 Gram 5 Gram

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

Residual Chlorine Test Strip Lot

Number of Lab Filtered Metals

Other: (Specify)

Comments 8260 samples will be in freezer by 7PM.

SM001
Rev. Date 05/04/17

Technician: JEREMYD Date: 10/10/2025 11:21:31 AM Reviewer: Date:

MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: DA76124
Account: CIVITCOW Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6V3061-MB	6V65166.D	1	10/14/25	MB	n/a	n/a	V6V3061

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

DA76124-1, DA76124-2, DA76124-3, DA76124-4, DA76124-5, DA76124-6, DA76124-7

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

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	85%	70-130%
2037-26-5	Toluene-D8	95%	70-130%
460-00-4	4-Bromofluorobenzene	88%	70-130%
17060-07-0	1,2-Dichloroethane-D4	107%	70-130%

Blank Spike Summary

Job Number: DA76124
Account: CIVITCOW Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6V3061-BS	6V65164.D	1	10/14/25	MB	n/a	n/a	V6V3061

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

DA76124-1, DA76124-2, DA76124-3, DA76124-4, DA76124-5, DA76124-6, DA76124-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	51.4	103	70-130
100-41-4	Ethylbenzene	50	54.2	108	70-130
108-88-3	Toluene	50	51.8	104	70-130
95-63-6	1,2,4-Trimethylbenzene	50	58.6	117	70-134
108-67-8	1,3,5-Trimethylbenzene	50	59.3	119	70-134
	m,p-Xylene	100	107	107	70-130
95-47-6	o-Xylene	50	55.7	111	70-136
1330-20-7	Xylene (total)	150	163	109	70-131

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	81%	70-130%
2037-26-5	Toluene-D8	98%	70-130%
460-00-4	4-Bromofluorobenzene	101%	70-130%
17060-07-0	1,2-Dichloroethane-D4	98%	70-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA76124
Account: CIVITCOW Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6V3061-BS	6V65165.D	1	10/14/25	MB	n/a	n/a	V6V3061

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

DA76124-1, DA76124-2, DA76124-3, DA76124-4, DA76124-5, DA76124-6, DA76124-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
	TPH-GRO (C6-C10)	2000	1500	75	64-144

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	70-130%
2037-26-5	Toluene-D8	104%	70-130%
460-00-4	4-Bromofluorobenzene	108%	70-130%
17060-07-0	1,2-Dichloroethane-D4	81%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA76124
Account: CIVITCOW Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA76112-45MS	6V65169.D	1	10/14/25	MB	n/a	n/a	V6V3061
DA76112-45MSD	6V65170.D	1	10/14/25	MB	n/a	n/a	V6V3061
DA76112-45	6V65167.D	1	10/14/25	MB	n/a	n/a	V6V3061

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

DA76124-1, DA76124-2, DA76124-3, DA76124-4, DA76124-5, DA76124-6, DA76124-7

CAS No.	Compound	DA76112-45 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	< 1.0		52.2	48.9	94	50.8	48.0	94	2	44-150/44
100-41-4	Ethylbenzene	< 2.1		52.2	51.0	98	50.8	56.5	111	10	41-149/49
108-88-3	Toluene	< 2.1		52.2	49.9	96	50.8	54.5	107	9	40-149/47
95-63-6	1,2,4-Trimethylbenzene	< 2.1		52.2	50.6	97	50.8	59.6	117	16	26-164/57
108-67-8	1,3,5-Trimethylbenzene	< 2.1		52.2	50.8	97	50.8	59.9	118	16	30-161/60
	m,p-Xylene	< 2.1		104	100	96	102	113	111	12	36-152/49
95-47-6	o-Xylene	< 2.1		52.2	52.2	100	50.8	58.8	116	12	33-168/49
1330-20-7	Xylene (total)	< 2.1		157	153	98	153	172	113	12	36-157/49

CAS No.	Surrogate Recoveries	MS	MSD	DA76112-45	Limits
1868-53-7	Dibromofluoromethane	90%	95%	80%	70-130%
2037-26-5	Toluene-D8	93%	101%	94%	70-130%
460-00-4	4-Bromofluorobenzene	91%	104%	84%	70-130%
17060-07-0	1,2-Dichloroethane-D4	96%	100%	100%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA76124
Account: CIVITCOW Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA76112-46MS	6V65171.D	1	10/14/25	MB	n/a	n/a	V6V3061
DA76112-46MSD	6V65172.D	1	10/14/25	MB	n/a	n/a	V6V3061
DA76112-46	6V65168.D	1	10/14/25	MB	n/a	n/a	V6V3061

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

DA76124-1, DA76124-2, DA76124-3, DA76124-4, DA76124-5, DA76124-6, DA76124-7

CAS No.	Compound	DA76112-46 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	< 210		2120	1470	69	2090	1380	66	6	18-158/83

CAS No.	Surrogate Recoveries	MS	MSD	DA76112-46	Limits
1868-53-7	Dibromofluoromethane	104%	104%	83%	70-130%
2037-26-5	Toluene-D8	82%	83%	96%	70-130%
460-00-4	4-Bromofluorobenzene	108%	113%	97%	70-130%
17060-07-0	1,2-Dichloroethane-D4	85%	102%	98%	70-130%

* = Outside of Control Limits.

MS Semi-volatiles

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QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: DA76124
Account: CIVITCOW Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28896-MB	9G01508.D	1	10/16/25	ZL	10/15/25	OP28896	E9G66

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

DA76124-1, DA76124-2, DA76124-3, DA76124-4, DA76124-5, DA76124-6, DA76124-7

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

CAS No.	Surrogate Recoveries		Limits
321-60-8	2-Fluorobiphenyl	94%	22-138%
4165-60-0	Nitrobenzene-d5	100%	32-143%
1718-51-0	Terphenyl-d14	98%	48-149%

Blank Spike Summary

Job Number: DA76124
Account: CIVITCOW Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28896-BS	9G01509.D	1	10/16/25	ZL	10/15/25	OP28896	E9G66

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

DA76124-1, DA76124-2, DA76124-3, DA76124-4, DA76124-5, DA76124-6, DA76124-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
83-32-9	Acenaphthene	200	166	83	46-152
120-12-7	Anthracene	200	184	92	65-147
56-55-3	Benzo(a)anthracene	200	183	92	64-144
205-99-2	Benzo(b)fluoranthene	200	182	91	70-154
207-08-9	Benzo(k)fluoranthene	200	185	93	70-158
50-32-8	Benzo(a)pyrene	200	194	97	64-159
218-01-9	Chrysene	200	188	94	70-156
53-70-3	Dibenzo(a,h)anthracene	200	177	89	63-156
206-44-0	Fluoranthene	200	188	94	62-155
86-73-7	Fluorene	200	174	87	55-151
193-39-5	Indeno(1,2,3-cd)pyrene	200	176	88	67-156
90-12-0	1-Methylnaphthalene	200	170	85	21-168
91-57-6	2-Methylnaphthalene	200	168	84	18-161
91-20-3	Naphthalene	200	177	89	2-173
129-00-0	Pyrene	200	182	91	61-158

CAS No.	Surrogate Recoveries	BSP	Limits
321-60-8	2-Fluorobiphenyl	84%	22-138%
4165-60-0	Nitrobenzene-d5	91%	32-143%
1718-51-0	Terphenyl-d14	84%	48-149%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA76124
Account: CIVITCOW Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28896-MS	9G01510.D	1	10/16/25	ZL	10/15/25	OP28896	E9G66
OP28896-MSD	9G01511.D	1	10/16/25	ZL	10/15/25	OP28896	E9G66
DA76124-5	9G01512.D	1	10/16/25	ZL	10/15/25	OP28896	E9G66

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

DA76124-1, DA76124-2, DA76124-3, DA76124-4, DA76124-5, DA76124-6, DA76124-7

CAS No.	Compound	DA76124-5 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	< 4.2		206	190	92	210	198	94	4	30-148/32
120-12-7	Anthracene	< 4.2		206	193	94	210	207	98	7	40-148/33
56-55-3	Benzo(a)anthracene	< 5.3		206	179	87	210	200	95	11	44-144/32
205-99-2	Benzo(b)fluoranthene	< 4.2		206	170	82	210	196	93	14	36-166/43
207-08-9	Benzo(k)fluoranthene	< 4.2		206	176	85	210	197	94	11	43-165/41
50-32-8	Benzo(a)pyrene	< 4.2		206	182	88	210	206	98	12	41-161/37
218-01-9	Chrysene	< 4.2		206	184	89	210	205	97	11	52-152/32
53-70-3	Dibenzo(a,h)anthracene	< 4.2		206	166	80	210	187	89	12	42-155/36
206-44-0	Fluoranthene	< 4.2		206	189	92	210	207	98	9	40-151/34
86-73-7	Fluorene	< 4.2		206	193	94	210	202	96	5	34-149/34
193-39-5	Indeno(1,2,3-cd)pyrene	< 4.2		206	158	77	210	182	87	14	41-156/37
90-12-0	1-Methylnaphthalene	< 4.2		206	193	94	210	203	96	5	23-149/36
91-57-6	2-Methylnaphthalene	< 4.2		206	192	93	210	200	95	4	18-144/35
91-20-3	Naphthalene	< 2.1		206	197	95	210	208	99	5	18-150/32
129-00-0	Pyrene	< 4.2		206	181	88	210	198	94	9	38-156/33

CAS No.	Surrogate Recoveries	MS	MSD	DA76124-5	Limits
321-60-8	2-Fluorobiphenyl	89%	93%	92%	22-138%
4165-60-0	Nitrobenzene-d5	98%	102%	100%	32-143%
1718-51-0	Terphenyl-d14	86%	92%	92%	48-149%

* = Outside of Control Limits.

GC/LC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: DA76124
Account: CIVITCOW Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28888-MB	FH081363.D	1	10/15/25	JB	10/13/25	OP28888	GFH24016

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

DA76124-1, DA76124-2, DA76124-3, DA76124-4, DA76124-5, DA76124-6, DA76124-7

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

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	99%	20-142%

Blank Spike Summary

Job Number: DA76124
Account: CIVITCOW Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28888-BS1	FH081364.D	1	10/15/25	JB	10/13/25	OP28888	GFH24016

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

DA76124-1, DA76124-2, DA76124-3, DA76124-4, DA76124-5, DA76124-6, DA76124-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	200	230	115	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	109%	20-142%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA76124
Account: CIVITCOW Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28888-BS2	FH081365.D	1	10/15/25	JB	10/13/25	OP28888	GFH24016

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

DA76124-1, DA76124-2, DA76124-3, DA76124-4, DA76124-5, DA76124-6, DA76124-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-ORO (> C28-C36)	200	239	120	70-138

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	97%	20-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA76124
Account: CIVITCOW Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28888-MS1	FH081366.D	1	10/15/25	JB	10/13/25	OP28888	GFH24016
OP28888-MSD1	FH081367.D	1	10/15/25	JB	10/13/25	OP28888	GFH24016
DA76112-48	FH081370.D	1	10/15/25	JB	10/13/25	OP28888	GFH24016

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

DA76124-1, DA76124-2, DA76124-3, DA76124-4, DA76124-5, DA76124-6, DA76124-7

CAS No.	Compound	DA76112-48 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	5.23		202	234	114	205	233	111		59-130/30

CAS No.	Surrogate Recoveries	MS	MSD	DA76112-48	Limits
84-15-1	o-Terphenyl	103%	97%	98%	20-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA76124
Account: CIVITCOW Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28888-MS2	FH081368.D	1	10/15/25	JB	10/13/25	OP28888	GFH24016
OP28888-MSD2	FH081369.D	1	10/15/25	JB	10/13/25	OP28888	GFH24016
DA76112-49	FH081371.D	1	10/15/25	JB	10/13/25	OP28888	GFH24016

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

DA76124-1, DA76124-2, DA76124-3, DA76124-4, DA76124-5, DA76124-6, DA76124-7

CAS No.	Compound	DA76112-49 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-ORO (> C28-C36)	8.65		196	213	104	205	253	119	17	70-153/30

CAS No.	Surrogate Recoveries	MS	MSD	DA76112-49	Limits
84-15-1	o-Terphenyl	94%	99%	99%	20-142%

* = Outside of Control Limits.

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43570
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/15/25

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	36.0	<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 MP43570: DA76124-1B, DA76124-2B, DA76124-3B, DA76124-4B, DA76124-5B, DA76124-6B, DA76124-7B

Results < IDL are shown as zero for calculation purposes

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43570
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/15/25

Metal	RL	IDL	MDL	MB raw	final

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43570
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			10/15/25					10/15/25	
Metal	DA76136-8B Original	DUP	RPD	QC Limits	DA76136-8B Original	MS	Spikelot ICPALL6	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Boron	158	215	30.6 (a)	0-20	158	11000	10000	108.4	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 MP43570: DA76124-1B, DA76124-2B, DA76124-3B, DA76124-4B, DA76124-5B, DA76124-6B, DA76124-7B

Results < IDL are shown as zero for calculation purposes

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43570
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/15/25 10/15/25

Metal	DA76136-8B Original DUP	RPD	QC Limits	DA76136-8B Original MS	Spikelot ICPALL6	% Rec	QC Limits

(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43570
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/15/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	10300	10000	103.0	80-120
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP43570: DA76124-1B, DA76124-2B, DA76124-3B, DA76124-4B, DA76124-5B, DA76124-6B, DA76124-7B

Results < IDL are shown as zero for calculation purposes

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43570
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/15/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43570
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/15/25

Metal	DA76136-8B Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	31.6	31.6	0.0	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 MP43570: DA76124-1B, DA76124-2B, DA76124-3B, DA76124-4B, DA76124-5B, DA76124-6B, DA76124-7B

Results < IDL are shown as zero for calculation purposes

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43570
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/15/25

Metal	DA76136-8B Original SDL 1:5	%DIF	QC Limits

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43572 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 10/13/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	50	.52	5		
Antimony	0.40	.01	.05		
Arsenic	0.20	.05	.05	0.027	<0.20
Barium	2.0	.096	.24	0.064	<2.0
Beryllium	0.20	.077	.04		
Boron	40	18	10		
Cadmium	0.10	.03	.04	0.00096	<0.10
Calcium	400	25	30		
Chromium	2.0	.087	.6		
Cobalt	0.20	.04	.025		
Copper	2.0	.05	.25	0.018	<2.0
Iron	20	1.6	15		
Lead	0.50	.094	.2	0.0042	<0.50
Magnesium	100	10	10		
Manganese	1.0	.079	.2		
Molybdenum	1.0	.037	.27		
Nickel	2.0	.098	.2	-0.74	<2.0
Phosphorus	60	7.6	25		
Potassium	200	2	25		
Selenium	0.20	.05	.05	0.0072	<0.20
Silver	0.10	.0081	.03	-0.00094	<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	0.026	<10

Associated samples MP43572: DA76124-1, DA76124-2, DA76124-3, DA76124-4, DA76124-5, DA76124-6, DA76124-7

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: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43572 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 10/13/25

Metal	DA76136-8 Original	MS	Spikelot ICPMS6	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	3.6	66.3	65.8	95.3	75-125
Barium	98.7	204	132	80.1	75-125
Beryllium					
Boron					
Cadmium	0.16	33.5	32.9	101.4	75-125
Calcium					
Chromium					
Cobalt					
Copper	9.6	38.4	32.9	87.6	75-125
Iron					
Lead	8.0	70.9	65.8	95.6	75-125
Magnesium					
Manganese					
Molybdenum					
Nickel	8.4	38.2	32.9	90.6	75-125
Phosphorus					
Potassium					
Selenium	0.21	63.2	65.8	95.8	75-125
Silver	0.045	13.2	13.2	100.0	75-125
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc	38.0	58.2	32.9	61.4N(a)	75-125

Associated samples MP43572: DA76124-1, DA76124-2, DA76124-3, DA76124-4, DA76124-5, DA76124-6, DA76124-7

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43572 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 10/13/25

Metal	DA76136-8 Original	MSD	Spikelot ICPMS6	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	3.6	73.3	69.8	99.8	10.0	20
Barium	98.7	222	140	88.3	8.5	20
Beryllium						
Boron						
Cadmium	0.16	37.1	34.9	105.8	10.2	20
Calcium						
Chromium						
Cobalt						
Copper	9.6	44.3	34.9	99.4	14.3	20
Iron						
Lead	8.0	78.7	69.8	101.2	10.4	20
Magnesium						
Manganese						
Molybdenum						
Nickel	8.4	42.8	34.9	98.5	11.4	20
Phosphorus						
Potassium						
Selenium	0.21	68.7	69.8	98.1	8.3	20
Silver	0.045	14.7	14	104.9	10.8	20
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc	38.0	66.9	34.9	82.8	13.9	20

Associated samples MP43572: DA76124-1, DA76124-2, DA76124-3, DA76124-4, DA76124-5, DA76124-6, DA76124-7

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: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43572 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 10/13/25

Metal	BSP Result	Spikelot ICPMS6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	106	100	106.0	80-120
Barium	207	200	103.5	80-120
Beryllium				
Boron				
Cadmium	52.4	50	104.8	80-120
Calcium				
Chromium				
Cobalt				
Copper	53.6	50	107.2	80-120
Iron				
Lead	105	100	105.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel	52.3	50	104.6	80-120
Phosphorus				
Potassium				
Selenium	105	100	105.0	80-120
Silver	20.9	20	104.5	80-120
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	52.5	50	105.0	80-120

Associated samples MP43572: DA76124-1, DA76124-2, DA76124-3, DA76124-4, DA76124-5, DA76124-6, DA76124-7

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43572
Matrix Type: SOLID

Methods: SW846 6020B
Units: ug/l

Prep Date: 10/13/25

Metal	DA76136-8 Original	SDL 10:50	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	45.8	48.0	4.8	0-20
Barium	1260	1300	3.4	0-20
Beryllium				
Boron				
Cadmium	2.02	1.93	4.5	0-20
Calcium				
Chromium				
Cobalt				
Copper	122	125	2.6	0-20
Iron				
Lead	102	102	0.0	0-20
Magnesium				
Manganese				
Molybdenum				
Nickel	108	79.7	25.9*(a)	0-20
Phosphorus				
Potassium				
Selenium	2.62	0.00	100.0(b)	0-20
Silver	0.578	0.503	12.9	0-20
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	484	502	3.8	0-20

Associated samples MP43572: DA76124-1, DA76124-2, DA76124-3, DA76124-4, DA76124-5, DA76124-6, DA76124-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.
(b) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43616
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/14/25

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	-930	<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	-69	<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	-260	<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 MP43616: DA76124-1A, DA76124-2A, DA76124-3A, DA76124-4A, DA76124-5A, DA76124-6A

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43616 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/14/25

Metal	RL	IDL	MDL	MB raw	final

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43616 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/14/25

Metal	DA76112-47A Original	MS	Spikelot ICPALL6	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium	53200	403000	375000	93.3	75-125
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Lithium					
Magnesium	7300	355000	375000	92.7	75-125
Manganese					
Molybdenum					
Nickel					
Phosphorus					
Potassium					
Selenium					
Silicon					
Silver					
Sodium	17100	360000	375000	91.4	75-125
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc					

Associated samples MP43616: DA76124-1A, DA76124-2A, DA76124-3A, DA76124-4A, DA76124-5A, DA76124-6A

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43616 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/14/25

	DA76112-47A	Spikelot		QC
Metal	Original MS	ICPALL6	% Rec	Limits

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43616 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/14/25

Metal	DA76112-47A Original	MSD	Spikelot ICPALL6	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium	53200	402000	375000	93.0	0.2	20
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Lithium						
Magnesium	7300	354000	375000	92.5	0.3	20
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium						
Silicon						
Silver						
Sodium	17100	362000	375000	92.0	0.6	20
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc						

Associated samples MP43616: DA76124-1A, DA76124-2A, DA76124-3A, DA76124-4A, DA76124-5A, DA76124-6A

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43616 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/14/25

Metal	DA76112-47A Original MSD	Spikelot ICPALL6 % Rec	MSD RPD	QC Limit

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43616
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/14/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	326000	375000	86.9	80-120
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	327000	375000	87.2	80-120
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	327000	375000	87.2	80-120
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP43616: DA76124-1A, DA76124-2A, DA76124-3A, DA76124-4A, DA76124-5A, DA76124-6A

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43616
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/14/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits

(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43616
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/14/25

Metal	DA76112-47A Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	3550	3510	1.1	0-10
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	487	456	6.3	0-10
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	1140	1230	8.4	0-10
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP43616: DA76124-1A, DA76124-2A, DA76124-3A, DA76124-4A, DA76124-5A, DA76124-6A

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43616 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/14/25

	DA76112-47A		QC
Metal	Original SDL 1:5	%DIF	Limits

(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43618
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/14/25

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	-970	<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	-100	<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	-140	<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 MP43618: DA76124-7A

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43618
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/14/25

Metal	RL	IDL	MDL	MB raw	final

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43618 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/14/25

Metal	DA76124-7A Original MS		Spikelot ICPALL6	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium	33200	368000	375000	89.3	75-125
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Lithium					
Magnesium	9740	345000	375000	89.4	75-125
Manganese					
Molybdenum					
Nickel					
Phosphorus					
Potassium					
Selenium					
Silicon					
Silver					
Sodium	4580	337000	375000	88.6	75-125
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc					

Associated samples MP43618: DA76124-7A

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43618
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/14/25

Metal	DA76124-7A Original MS	Spikelot ICPALL6	% Rec	QC Limits

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43618 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/14/25

Metal	DA76124-7A Original	MSD	Spikelot ICPALL6	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium	33200	374000	375000	90.9	1.6	20
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Lithium						
Magnesium	9740	350000	375000	90.7	1.4	20
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium						
Silicon						
Silver						
Sodium	4580	340000	375000	89.4	0.9	20
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc						

Associated samples MP43618: DA76124-7A

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43618 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/14/25

Metal	DA76124-7A Original MSD	Spikelot ICPALL6 % Rec	MSD RPD	QC Limit

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43618
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/14/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	324000	375000	86.4	80-120
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	326000	375000	86.9	80-120
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	324000	375000	86.4	80-120
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP43618: DA76124-7A

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43618 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/14/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits

(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43618
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/14/25

Metal	DA76124-7A Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	2210	2120	4.2	0-10
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	649	657	1.2	0-10
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	305	396	29.8 (a)	0-10
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP43618: DA76124-7A

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

QC Batch ID: MP43618 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/14/25

	DA76124-7A		QC
Metal	Original SDL 1:5	%DIF	Limits

(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

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: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Specific Conductivity	GP39702/GN69811			mmhos/cm	1.409	1.4	101.1	90-110%

Associated Samples:
Batch GP39702: DA76124-1, DA76124-2, DA76124-3, DA76124-4, DA76124-5, DA76124-6, DA76124-7
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA76124
Account: CIVITCOW - Civitas
Project: ENSOCOWR: State Antelope 34-12-1XRLNB

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GP39702/GN69811	DA76126-2C	mmhos/cm	0.48	0.48	0.4	0-20%
pH	GN69809	DA76112-47	su	7.67	7.70	0.4	0-5%

Associated Samples:
Batch GN69809: DA76124-1, DA76124-2, DA76124-3, DA76124-4, DA76124-5, DA76124-6, DA76124-7
Batch GP39702: DA76124-1, DA76124-2, DA76124-3, DA76124-4, DA76124-5, DA76124-6, DA76124-7
(*) Outside of QC limits

Misc. Forms

Custody Documents and Other Forms

(SGS Dayton, NJ)

Includes the following where applicable:

- Chain of Custody

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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 # 2444-9079-0163. | Bottle Order Control # |
SGS Quote # | SGS Job # DA76124

Client / Reporting Information	Project Information	Billing Information (if different from Report to)
Company Name: SGS North America Inc.	Project Name: ENSOCOWR: State Antelope 34-12-1 XRLNB	
Street Address: 4036 Youngfield Street	Street	Company Name
City State Zip: Wheat Ridge, CO 8003:	City State	Street Address
Project Contact E-mail: parna.eskandaripayandeh@sgs.com	Project #	City State Zip
Phone # Fax #: 303-425-6021	Client Purchase Order #	Attention:
Sampler(s) Name(s) Phone: MB	Project Manager	

Requested Analysis (see TEST CODE sheet)

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

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	XCRA7199	LAB USE ONLY
1	B01@6'		10/10/25	8:20:00 AM	MB	SO										X	
2	NO1@3'		10/10/25	8:26:00 AM	MB	SO										X	
3	S01@3'		10/10/25	8:30:00 AM	MB	SO										X	
4	E01@3'		10/10/25	8:36:00 AM	MB	SO										X	
5	W01@3'		10/10/25	8:43:00 AM	MB	SO										X	
6	WH-RISER@5'		10/10/25	8:50:00 AM	MB	SO										X	
7	SEP-INLET@4'		10/10/25	9:30:00 AM	MB	SO										X	

Turnaround Time (Business days)

Approved By (SGS PM): / Date:

- [ ] Standard 10 Day (business)
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY
- [X] other Due 10/24/2025

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

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: 10/13/25	Received By: 1 Fedex	Relinquished By: 2 Fedex	Date Time: 10/14	Received By: 2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time: 4:30	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal # ☐ Intact	Preserved where applicable	On Ice Cooler Temp. 2.1

10.1 10

SGS Sample Receipt Summary

Job Number: DA76124 **Client:** **Project:**

Date / Time Received: 10/14/2025 4:30:00 PM **Delivery Method:** FEDEX **Airbill #'s:**

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

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

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

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

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

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

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

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

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

Comments

SM089-03
Rev. Date 12/7/17

General Chemistry

QC Data Summaries

(SGS Dayton, NJ)

Includes the following where applicable:

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

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA76124
Account: ALMS - SGS Wheat Ridge, CO
Project: CIVITCOW: ENSOCOWR: State Antelope 34-12-1XRLNB

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chromium, Hexavalent	GP65290/GN75813	0.40	0.0	mg/kg	40	35.9	89.8	80-120%
Chromium, Hexavalent	GP65290/GN75813			mg/kg	875	909	103.9	80-120%

Associated Samples:
Batch GP65290: DA76124-1, DA76124-2, DA76124-3, DA76124-4, DA76124-5, DA76124-6, DA76124-7
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA76124
Account: ALMS - SGS Wheat Ridge, CO
Project: CIVITCOW: ENSOCOWR: State Antelope 34-12-1XRLNB

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chromium, Hexavalent	GP65290/GN75813	DA76125-10C	mg/kg	0.0	0.0	0.0	0-20%

Associated Samples:
Batch GP65290: DA76124-1, DA76124-2, DA76124-3, DA76124-4, DA76124-5, DA76124-6, DA76124-7
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA76124
Account: ALMS - SGS Wheat Ridge, CO
Project: CIVITCOW: ENSOCOWR: State Antelope 34-12-1XRLNB

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chromium, Hexavalent	GP65290/GN75813	DA76125-10C	mg/kg	0.0	41.7	38.3	91.8(a)	75-125%
Chromium, Hexavalent	GP65290/GN75813	DA76125-10C	mg/kg	0.0	849	854	100.6(b)	75-125%

Associated Samples:
Batch GP65290: DA76124-1, DA76124-2, DA76124-3, DA76124-4, DA76124-5, DA76124-6, DA76124-7
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Good recovery on soluble XCR matrix spike. Good recovery (96.69%) on the post-spike.
(b) Good recovery on insoluble XCR matrix spike. See additional comments on soluble matrix spike recovery.