



## Division of Environmental Testing

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

October 17, 2024

1600 Broadway Ste 1050  
Denver, CO 80202  
303-929-9513  
msmith@ardorenvironmental.com

**Project Manager :** Ryan Dornbos

**Project Name :** State 1&3

**Project Number :** N/A

Attached are the analytical results for State 1&3 N/A received by Elevation Diagnostics, Division of Environmental Testing on October 11, 2024. This is associated with Elevation's number AA13063 .

The results were analyzed under the guidelines of various methods. These methods are identified in the report as follows: "SW" is referring to the EPA's SW-846 Compendium; "EPA" is referring to 40 CFR part 136; "HACH" is referring to a method which was validated by HACH®; "SM" is referring to a revision of the Standard Methods For the Examination of Water and Wastewater; and "ASTM" is referring to the standard test method set forth by ASTM International.

The analytical results in this report apply specifically to the samples listed in the attached Chain of Custody. This report may only be duplicated in full.

Any deviations to sample integrity, method specifications, or Elevation Diagnostics's standard operating procedures are documented in the report below.

Please contact us for any questions or comments concerning the content of this report.

Thank you,

Elevation Diagnostics, Division of Environmental Testing

# Chain of Custody Form


Client: Central Operating Inc  
 Address: \_\_\_\_\_  
 City/State/ZIP: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Project Contact: mSmith@ArdorEnvironmental.com

# Elevation Diagnostics

2115 North Scranton Street Suite 3040A Aurora, CO 80045  
 800.440.5184

Project Name: State 1&3  
 Project Location: \_\_\_\_\_  
 Collector Name: Jacob Jones

					Preservative				Matrix			Analysis Requested				Notes	
Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO <sub>3</sub>	None	Other	Water	Soil	Other	EC	pH	SAR	Boron		
1	EX01 @ 3'	10/11/24	1:37	3								X	X	X	X		AA13063-1
2	EX01 @ 4'		1:33														AA13064-1
3	EX02 @ 3'		1:30														AA13065-2
4	EX02 @ 4'		1:27														AA13066-2
5	EX03 @ 3'		1:24														AA13067-2
6	EX03 @ 4'		1:20														AA13068-2
7	EX04 @ 3'		1:11														AA13069-2
8	EX04 @ 4'		1:15														AA13070-2
9	Fol @ 3'		1:05														AA13071-2
10	Fol @ 4'		1:08														AA13072-2

Relinquished By: <u>[Signature]</u> Date/Time: <u>4:58pm 10/11/24</u>	Relinquished By: <u>Lesor Murot</u> Date/Time: <u>10-11-24 4:58 pm</u>	Relinquished By: _____ Date/Time: _____	Scan to Deliver Samples 
Lab Use Only	Observed Temperature Upon Receipt: <u>12.0 °C</u> Corrected Temperature Upon Receipt: <u>13.3 °C</u> Thermometer #: <u>EDX EQ248</u> Correction Factor: <u>+1.3 °C</u>	Samples Intact: <u>Yes</u> pH Checked: <u>Yes</u> pH Adjusted: <u>Yes</u> Name/Lot Number of Adjustment: <u>N/A</u>	
2024-10-11-011 NIA			

EFOR-008.002

**Division of Environmental Testing**

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Aurora, CO 80045

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**FINAL RESULTS REPORT****Report Date :** 10/17/2024**Report Time :** 13:55**Project Manager:** Ryan Dornbos**Project Name:** State 1&3**Project Number:** N/A

Sample ID	Customer ID	Collected	Dilution	Result	Units	MDL	Method Ref.
Analyte Name		Analysis Start					Recovery
<b>AA13063-1</b>	EX01@3'	<b>Collected :</b> 10/11/2024	13:37				
SAR - Calcium		10/16/2024	14:59	10.00	1.12	mEq/L	EPA 6020B
SAR - Magnesium		10/16/2024	14:59	10.00	0.16	mEq/L	EPA 6020B
SAR - Sodium		10/16/2024	14:59	10.00	8.51	mEq/L	EPA 6020B
SAR - Sodium Adsorption Ratio		10/16/2024	14:59	10.00	10.66	No Unit	EPA 6020B
Soil Conductivity		10/15/2024	16:31		0.93	mmhos/cm	0.0005 USDA 60
<b>AA13063-2</b>	EX01@3'	<b>Collected :</b> 10/11/2024	13:37				
pH, Soils Temperature		10/15/2024	17:02		18.8	°C	
pH, Soils		10/15/2024	17:02		9.52	SU	0.01 EPA 9045D
<b>AA13063-3</b>	EX01@3'	<b>Collected :</b> 10/11/2024	13:37				
Hot Water Soluble Boron		10/16/2024	10:50		0.64	mg/kg	0.050 Boron Hot Water Extraction
<b>AA13064-1</b>	EX01@4'	<b>Collected :</b> 10/11/2024	13:33				
SAR - Calcium		10/16/2024	14:59	10.00	1.02	mEq/L	EPA 6020B
SAR - Magnesium		10/16/2024	14:59	10.00	0.18	mEq/L	EPA 6020B
SAR - Sodium		10/16/2024	14:59	10.00	9.68	mEq/L	EPA 6020B
SAR - Sodium Adsorption Ratio		10/16/2024	14:59	10.00	12.53	No Unit	EPA 6020B
Soil Conductivity		10/15/2024	16:31		1.07	mmhos/cm	0.0005 USDA 60
<b>AA13064-2</b>	EX01@4'	<b>Collected :</b> 10/11/2024	13:33				
pH, Soils Temperature		10/15/2024	17:02		18.7	°C	
pH, Soils		10/15/2024	17:02		9.47	SU	0.01 EPA 9045D
<b>AA13064-3</b>	EX01@4'	<b>Collected :</b> 10/11/2024	13:33				
Hot Water Soluble Boron		10/16/2024	10:50		0.76	mg/kg	0.050 Boron Hot Water Extraction
<b>AA13065-1</b>	EX02@3'	<b>Collected :</b> 10/11/2024	13:30				
SAR - Calcium		10/16/2024	14:59	10.00	2.16	mEq/L	EPA 6020B
SAR - Magnesium		10/16/2024	14:59	10.00	0.36	mEq/L	EPA 6020B
SAR - Sodium		10/16/2024	14:59	10.00	5.49	mEq/L	EPA 6020B
SAR - Sodium Adsorption Ratio		10/16/2024	14:59	10.00	4.90	No Unit	EPA 6020B
Soil Conductivity		10/15/2024	16:31		0.73	mmhos/cm	0.0005 USDA 60
<b>AA13065-2</b>	EX02@3'	<b>Collected :</b> 10/11/2024	13:30				
pH, Soils Temperature		10/15/2024	17:02		18.9	°C	
pH, Soils		10/15/2024	17:02		9.08	SU	0.01 EPA 9045D
<b>AA13065-3</b>	EX02@3'	<b>Collected :</b> 10/11/2024	13:30				
Hot Water Soluble Boron		10/16/2024	10:50		0.26	mg/kg	0.050 Boron Hot Water Extraction
<b>AA13066-1</b>	EX02@4'	<b>Collected :</b> 10/11/2024	13:27				
SAR - Calcium		10/16/2024	14:59	10.00	1.35	mEq/L	EPA 6020B
SAR - Magnesium		10/16/2024	14:59	10.00	0.36	mEq/L	EPA 6020B
SAR - Sodium		10/16/2024	14:59	10.00	5.07	mEq/L	EPA 6020B
SAR - Sodium Adsorption Ratio		10/16/2024	14:59	10.00	5.49	No Unit	EPA 6020B
Soil Conductivity		10/15/2024	16:31		0.64	mmhos/cm	0.0005 USDA 60
<b>AA13066-2</b>	EX02@4'	<b>Collected :</b> 10/11/2024	13:27				



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# FINAL RESULTS REPORT

Report Date : 10/17/2024

Report Time : 13:55

Project Manager: Ryan Dornbos

Project Name: State 1&3

Project Number: N/A

Sample ID	Customer ID	Collected	Dilution	Result	Units	MDL	Method Ref.
Analyte Name		Analysis Start					Recovery
pH, Soils Temperature		10/15/2024 17:02		19	°C		
pH, Soils		10/15/2024 17:02		9.11	SU	0.01	EPA 9045D
<b>AA13066-3</b>	EX02@4'	Collected : 10/11/2024 13:27					
Hot Water Soluble Boron		10/16/2024 10:50		0.24	mg/kg	0.050	Boron Hot Water Extraction
<b>AA13067-1</b>	EX03@3'	Collected : 10/11/2024 13:24					
SAR - Calcium		10/16/2024 14:59	10.00	0.88	mEq/L		EPA 6020B
SAR - Magnesium		10/16/2024 14:59	10.00	0.17	mEq/L		EPA 6020B
SAR - Sodium		10/16/2024 14:59	10.00	7.19	mEq/L		EPA 6020B
SAR - Sodium Adsorption Ratio		10/16/2024 14:59	10.00	9.93	No Unit		EPA 6020B
Soil Conductivity		10/15/2024 16:53		0.78	mmhos/cm	0.0005	USDA 60
<b>AA13067-2</b>	EX03@3'	Collected : 10/11/2024 13:24					
pH, Soils Temperature		10/15/2024 11:26		19	°C		
pH, Soils		10/15/2024 11:26		9.64	SU	0.01	EPA 9045D
<b>AA13067-3</b>	EX03@3'	Collected : 10/11/2024 13:24					
Hot Water Soluble Boron		10/16/2024 10:50		0.53	mg/kg	0.050	Boron Hot Water Extraction
<b>AA13068-1</b>	EX03@4'	Collected : 10/11/2024 13:20					
SAR - Calcium		10/16/2024 14:59	10.00	1.21	mEq/L		EPA 6020B
SAR - Magnesium		10/16/2024 14:59	10.00	0.22	mEq/L		EPA 6020B
SAR - Sodium		10/16/2024 14:59	10.00	8.94	mEq/L		EPA 6020B
SAR - Sodium Adsorption Ratio		10/16/2024 14:59	10.00	10.59	No Unit		EPA 6020B
Soil Conductivity		10/15/2024 16:53		0.97	mmhos/cm	0.0005	USDA 60
<b>AA13068-2</b>	EX03@4'	Collected : 10/11/2024 13:20					
pH, Soils Temperature		10/15/2024 11:26		19	°C		
pH, Soils		10/15/2024 11:26		9.62	SU	0.01	EPA 9045D
<b>AA13068-3</b>	EX03@4'	Collected : 10/11/2024 13:20					
Hot Water Soluble Boron		10/16/2024 10:50		0.59	mg/kg	0.050	Boron Hot Water Extraction
<b>AA13069-1</b>	EX04@3'	Collected : 10/11/2024 13:11					
Clear Glass		10/11/2024 17:19		DONE			
SAR - Calcium		10/16/2024 14:59	10.00	3.45	mEq/L		EPA 6020B
SAR - Magnesium		10/16/2024 14:59	10.00	0.73	mEq/L		EPA 6020B
SAR - Sodium		10/16/2024 14:59	10.00	7.90	mEq/L		EPA 6020B
SAR - Sodium Adsorption Ratio		10/16/2024 14:59	10.00	5.46	No Unit		EPA 6020B
Soil Conductivity		10/15/2024 16:53		0.93	mmhos/cm	0.0005	USDA 60
<b>AA13069-2</b>	EX04@3'	Collected : 10/11/2024 13:11					
pH, Soils Temperature		10/15/2024 11:26		19	°C		
pH, Soils		10/15/2024 11:26		9.01	SU	0.01	EPA 9045D
<b>AA13069-3</b>	EX04@3'	Collected : 10/11/2024 13:11					
Hot Water Soluble Boron		10/16/2024 10:50		0.52	mg/kg	0.050	Boron Hot Water Extraction

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Sample ID	Customer ID	Collected	Dilution	Result	Units	MDL	Method Ref.
Analyte Name		Analysis Start					Recovery
<b>AA13070-1</b>	EX04@4'	<b>Collected :</b> 10/11/2024	13:15				
SAR - Calcium		10/16/2024	14:59	10.00	1.57	mEq/L	EPA 6020B
SAR - Magnesium		10/16/2024	14:59	10.00	0.33	mEq/L	EPA 6020B
SAR - Sodium		10/16/2024	14:59	10.00	5.03	mEq/L	EPA 6020B
SAR - Sodium Adsorption Ratio		10/16/2024	14:59	10.00	5.17	No Unit	EPA 6020B
Soil Conductivity		10/15/2024	16:53		0.59	mmhos/cm	0.0005 USDA 60
<b>AA13070-2</b>	EX04@4'	<b>Collected :</b> 10/11/2024	13:15				
pH, Soils Temperature		10/15/2024	11:26		19.1	°C	
pH, Soils		10/15/2024	11:26		9.49	SU	0.01 EPA 9045D
<b>AA13070-3</b>	EX04@4'	<b>Collected :</b> 10/11/2024	13:15				
Hot Water Soluble Boron		10/16/2024	10:50		0.39	mg/kg	0.050 Boron Hot Water Extraction
<b>AA13071-1</b>	F01@3'	<b>Collected :</b> 10/11/2024	13:05				
SAR - Calcium		10/16/2024	14:59	10.00	0.99	mEq/L	EPA 6020B
SAR - Magnesium		10/16/2024	14:59	10.00	0.15	mEq/L	EPA 6020B
SAR - Sodium		10/16/2024	14:59	10.00	9.90	mEq/L	EPA 6020B
SAR - Sodium Adsorption Ratio		10/16/2024	14:59	10.00	13.08	No Unit	EPA 6020B
Soil Conductivity		10/15/2024	16:53		0.99	mmhos/cm	0.0005 USDA 60
<b>AA13071-2</b>	F01@3'	<b>Collected :</b> 10/11/2024	13:05				
pH, Soils Temperature		10/15/2024	11:26		19.1	°C	
pH, Soils		10/15/2024	11:26		9.79	SU	0.01 EPA 9045D
<b>AA13071-3</b>	F01@3'	<b>Collected :</b> 10/11/2024	13:05				
Hot Water Soluble Boron		10/16/2024	10:50		0.71	mg/kg	0.050 Boron Hot Water Extraction
<b>AA13072-1</b>	F01@4'	<b>Collected :</b> 10/11/2024	13:08				
SAR - Calcium		10/16/2024	14:59	10.00	0.68	mEq/L	EPA 6020B
SAR - Magnesium		10/16/2024	14:59	10.00	0.13	mEq/L	EPA 6020B
SAR - Sodium		10/16/2024	14:59	10.00	8.90	mEq/L	EPA 6020B
SAR - Sodium Adsorption Ratio		10/16/2024	14:59	10.00	13.97	No Unit	EPA 6020B
Soil Conductivity		10/15/2024	16:53		0.91	mmhos/cm	0.0005 USDA 60
<b>AA13072-2</b>	F01@4'	<b>Collected :</b> 10/11/2024	13:08				
pH, Soils Temperature		10/15/2024	11:26		19.1	°C	
pH, Soils		10/15/2024	11:26		9.68	SU	0.01 EPA 9045D
<b>AA13072-3</b>	F01@4'	<b>Collected :</b> 10/11/2024	13:08				
Hot Water Soluble Boron		10/16/2024	10:50		0.70	mg/kg	0.050 Boron Hot Water Extraction



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# FINAL RESULTS REPORT

Report Date : 10/17/2024

Report Time : 13:55

Project Manager: Ryan Dornbos

Project Name: State 1&3

Project Number: N/A

## QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
<b>BORON-5247</b>										
DUP	AA12994	5.44	0.050	mg/kg					0.36697	-15 - 15
MB	AA13131	0.01		mg/kg						
LCS	AA13132	1.00		mg/kg	1.00		100	80 - 120		
LCS	AA13133	8.42		mg/kg	9.00		93.6	80 - 120		
<b>ECSOIL_MMHOS-5269</b>										
DUP	AA13057	0.45		mmhos/cm					2.2472	
LCS	AA13157	9.83		mmhos/cm	10.00		98.3			
LCS	AA13158	9.87		mmhos/cm	10.00		98.7			
<b>ECSOIL_MMHOS-5270</b>										
DUP	AA13067	0.80		mmhos/cm					2.5316	
LCS	AA13160	9.8		mmhos/cm	10.00		98.0			
LCS	AA13161	9.81		mmhos/cm	10.00		98.1			
<b>PH_S-5261</b>										
DUP	AA13057	8.24	0.01	S.U.					0.7308160779	-5 - 5
LCS	AA13147	6.84	0.01	S.U.	6.86		99.7	95 - 105		
LCS	AA13148	6.83	0.01	S.U.	6.86		99.6	95 - 105		
<b>PH_S-5263</b>										
DUP	AA13067	9.66	0.01	S.U.					0.2072538860	-5 - 5
LCS	AA13150	6.90	0.01	S.U.	6.86		101	95 - 105		
LCS	AA13151	6.91	0.01	S.U.	6.86		101	95 - 105		
<b>SAR-5281</b>										
<b>AA13057</b>										
Dup	Calcium	3.32		mEq/L	3.32	3.24			2.44	
Dup	Magnesium	0.87		mEq/L	0.87	0.85			2.33	
Dup	Sodium	1.19		mEq/L	1.19	1.20			0.837	
Dup	Sodium Adsorption Ratio	0.83		mEq/L	0.83	0.84			1.20	
<b>AA13182</b>										
MB	Calcium	-0.21		mEq/L						
MB	Magnesium	0.00		mEq/L						
MB	Sodium	0.01		mEq/L						
MB	Sodium Adsorption Ratio	0.00								
<b>AA13183</b>										
LCS	Calcium	9.97		ppm			99.7			
LCS	Magnesium	10.11		ppm			101			
LCS	Sodium	10.56		ppm			106			
LCS	Sodium Adsorption Ratio	0.56		ppm			108			
<b>AA13184</b>										
LCS	Calcium	470.08		ppm			94.0			
LCS	Magnesium	467.07		ppm			93.4			
LCS	Sodium	471.66		ppm			94.3			
LCS	Sodium Adsorption Ratio	3.69		ppm			99.7			