



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 AA13057 .

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@Ardor Environ mental.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

Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested								Notes
					HCl	HNO ₃	None	Other	Water	Soil	Other	EC	pH	SAR	Boron					
1	BG1@ 2'	10/11/24	2:35	3								X	X	X	X					AA13057-1
2	BG1@ 3'		2:30																	AA13058-1
3	BG1@ 4'		2:28																	AA13059-1
4	BG2@ 2'		2:40																	AA13060-1
5	BG2@ 3'		2:45																	AA13061-1
6	BG2@ 4'		2:48																	AA13062-1
7																				
8																				
9																				
10																				

Relinquished By: [Signature] Date/Time: 4:58 pm 10/11/24
 Relinquished By: Leah Munoz Date/Time: 4:58 pm 10-11-24
 Relinquished By: _____ Date/Time: _____

Lab Use Only
 Observed Temperature Upon Receipt: 11.2 °C
 Corrected Temperature Upon Receipt: 12.5 °C
 Thermometer #: EDX EA 248
 Correction Factor: +1.3 °C

Samples Intact: Yes
 pH Checked: Yes
 pH Adjusted: Yes
 Name/Lot Number of Adjustment: N/A

2024-10-11-010
N/A

Scan to Deliver Samples



EFOR-008.002

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FINAL RESULTS REPORT**Report Date :** 10/17/2024**Report Time :** 11:46**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
AA13057-1	BG1@2'	Collected : 10/11/2024	14:35				
SAR - Calcium		10/16/2024	14:59	10.00	3.24	mEq/L	EPA 6020B
SAR - Magnesium		10/16/2024	14:59	10.00	0.85	mEq/L	EPA 6020B
SAR - Sodium		10/16/2024	14:59	10.00	1.20	mEq/L	EPA 6020B
SAR - Sodium Adsorption Ratio		10/16/2024	14:59	10.00	0.84	No Unit	EPA 6020B
Soil Conductivity		10/15/2024	16:31		0.44	mmhos/cm	0.0005 USDA 60
AA13057-2	BG1@2'	Collected : 10/11/2024	14:35				
pH, Soils Temperature		10/15/2024	17:02		19	°C	
pH, Soils		10/15/2024	17:02		8.18	SU	0.01 EPA 9045D
AA13057-3	BG1@2'	Collected : 10/11/2024	14:35				
Hot Water Soluble Boron		10/16/2024	10:50		0.17	mg/kg	0.050 Boron Hot Water Extraction
AA13058-1	BG1@3'	Collected : 10/11/2024	14:30				
SAR - Calcium		10/16/2024	14:59	10.00	2.13	mEq/L	EPA 6020B
SAR - Magnesium		10/16/2024	14:59	10.00	0.61	mEq/L	EPA 6020B
SAR - Sodium		10/16/2024	14:59	10.00	1.29	mEq/L	EPA 6020B
SAR - Sodium Adsorption Ratio		10/16/2024	14:59	10.00	1.10	No Unit	EPA 6020B
Soil Conductivity		10/15/2024	16:31		0.39	mmhos/cm	0.0005 USDA 60
AA13058-2	BG1@3'	Collected : 10/11/2024	14:30				
pH, Soils Temperature		10/15/2024	17:02		18.9	°C	
pH, Soils		10/15/2024	17:02		8.47	SU	0.01 EPA 9045D
AA13058-3	BG1@3'	Collected : 10/11/2024	14:30				
Hot Water Soluble Boron		10/16/2024	10:50		0.14	mg/kg	0.050 Boron Hot Water Extraction
AA13059-1	BG1@4'	Collected : 10/11/2024	14:28				
SAR - Calcium		10/16/2024	14:59	10.00	1.94	mEq/L	EPA 6020B
SAR - Magnesium		10/16/2024	14:59	10.00	0.69	mEq/L	EPA 6020B
SAR - Sodium		10/16/2024	14:59	10.00	1.04	mEq/L	EPA 6020B
SAR - Sodium Adsorption Ratio		10/16/2024	14:59	10.00	0.91	No Unit	EPA 6020B
Soil Conductivity		10/15/2024	16:31		0.38	mmhos/cm	0.0005 USDA 60
AA13059-2	BG1@4'	Collected : 10/11/2024	14:28				
pH, Soils Temperature		10/15/2024	17:02		18.8	°C	
pH, Soils		10/15/2024	17:02		8.57	SU	0.01 EPA 9045D
AA13059-3	BG1@4'	Collected : 10/11/2024	14:28				
Hot Water Soluble Boron		10/16/2024	10:50		0.11	mg/kg	0.050 Boron Hot Water Extraction
AA13060-1	BG2@2'	Collected : 10/11/2024	14:40				
SAR - Calcium		10/16/2024	14:59	10.00	0.93	mEq/L	EPA 6020B
SAR - Magnesium		10/16/2024	14:59	10.00	0.21	mEq/L	EPA 6020B
SAR - Sodium		10/16/2024	14:59	10.00	3.90	mEq/L	EPA 6020B
SAR - Sodium Adsorption Ratio		10/16/2024	14:59	10.00	5.18	No Unit	EPA 6020B
Soil Conductivity		10/15/2024	16:31		0.47	mmhos/cm	0.0005 USDA 60
AA13060-2	BG2@2'	Collected : 10/11/2024	14:40				

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FINAL RESULTS REPORT**Report Date :** 10/17/2024**Report Time :** 11:46**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		19.1	°C		
pH, Soils		10/15/2024	17:02		9.36	SU	0.01	EPA 9045D
AA13060-3	BG2@2'	Collected : 10/11/2024		14:40				
Hot Water Soluble Boron		10/16/2024	10:50		0.24	mg/kg	0.050	Boron Hot Water Extraction
AA13061-1	BG2@3'	Collected : 10/11/2024		14:45				
SAR - Calcium		10/16/2024	14:59	10.00	0.91	mEq/L		EPA 6020B
SAR - Magnesium		10/16/2024	14:59	10.00	0.28	mEq/L		EPA 6020B
SAR - Sodium		10/16/2024	14:59	10.00	3.41	mEq/L		EPA 6020B
SAR - Sodium Adsorption Ratio		10/16/2024	14:59	10.00	4.44	No Unit		EPA 6020B
Soil Conductivity		10/15/2024	16:31		0.43	mmhos/cm	0.0005	USDA 60
AA13061-2	BG2@3'	Collected : 10/11/2024		14:45				
pH, Soils Temperature		10/15/2024	17:02		19.1	°C		
pH, Soils		10/15/2024	17:02		9.47	SU	0.01	EPA 9045D
AA13061-3	BG2@3'	Collected : 10/11/2024		14:45				
Hot Water Soluble Boron		10/16/2024	10:50		0.18	mg/kg	0.050	Boron Hot Water Extraction
AA13062-1	BG2@4'	Collected : 10/11/2024		14:48				
SAR - Calcium		10/16/2024	14:59	10.00	0.50	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	3.38	mEq/L		EPA 6020B
SAR - Sodium Adsorption Ratio		10/16/2024	14:59	10.00	5.83	No Unit		EPA 6020B
Soil Conductivity		10/15/2024	16:31		0.40	mmhos/cm	0.0005	USDA 60
AA13062-2	BG2@4'	Collected : 10/11/2024		14:48				
pH, Soils Temperature		10/15/2024	17:02		18.8	°C		
pH, Soils		10/15/2024	17:02		9.50	SU	0.01	EPA 9045D
AA13062-3	BG2@4'	Collected : 10/11/2024		14:48				
Hot Water Soluble Boron		10/16/2024	10:50		0.18	mg/kg	0.050	Boron Hot Water Extraction



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FINAL RESULTS REPORT

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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
BORON-5247										
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		
ECSOIL_MMHOS-5269										
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			
PH_S-5261										
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		
SAR-5281										
AA13057										
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	
AA13182										
MB	Calcium	-0.21		mEq/L						
MB	Magnesium	0.00		mEq/L						
MB	Sodium	0.01		mEq/L						
MB	Sodium Adsorption Ratio	0.00								
AA13183										
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			
AA13184										
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			