



Division of Environmental Testing

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

October 31, 2025

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Project Manager : Joel Mason
Project Name : Arapahoe Unit 178
Project Number : CIT.CO.1054

Attached are the analytical results for Arapahoe Unit 178 CIT.CO.1054 received by Elevation Diagnostics, Division of Environmental Testing on October 24, 2025. This is associated with Elevation's number AA35108 .

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



Division of Environmental Testing

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Report Date : 10/31/2025

Report Time : 16:18

FINAL RESULTS REPORT

Project Manager: Joel Mason

Project Name: Arapahoe Unit 178

Project Number: CIT.CO.1054

Sample ID	Customer ID	Collected	Dilution	Result	Units	MDL	Method Ref.
Analyte Name		Result Date/Time					Recovery
AA35108-1	AU_178_WHB_N@5'	Collected : 10/23/2025 08:30					
EC & pH soil by saturated paste - EC, soil		10/28/2025 14:14		1.05	mmhos/cm	0.0005	USDA 60/EPA 9045
EC & pH soil by saturated paste - pH soil Temperature		10/28/2025 14:14		19.10	°C		USDA 60/EPA 9045
EC & pH soil by saturated paste - pH, soil		10/28/2025 14:14		8.18	SU	0.01	USDA 60/EPA 9045
SAR Saturated Paste - Calcium		10/31/2025 11:22	10.00	1.14	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium		10/31/2025 11:22	10.00	<0.82	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium		10/31/2025 11:22	10.00	6.44	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio		10/31/2025 11:22	10.00	7.09	No Unit		EPA 6020B



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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
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EC PH-12669

AA35108

Dup	EC, soil	1.05	0.0005	mmhos/cm		1.05			<%MDL%	- 5
Dup	pH soil Temperature	19.20		°C		19.10				
Dup	pH, soil	8.38	0.01	SU		8.18			2.42	- 5

AA35229

LCS	EC, soil	9.57	0.0005	mmhos/cm			95.7	85 - 115		
LCS	pH, soil	6.96	0.01	SU			101	85 - 115		

AA35230

LCS	EC, soil	9.55	0.0005	mmhos/cm			95.5	85 - 115		
LCS	pH, soil	7.08	0.01	SU			103	85 - 115		

SAR-12671

AA35108

Dup	Calcium	1.11		mEq/L	2.67	1.14			2.67	- 20
Dup	Magnesium	<0.82		mEq/L	<0.82	<0.82				
Dup	Sodium	6.36		mEq/L	1.25	6.44			1.25	- 20
Dup	Sodium Adsorption Ratio	7.13		mEq/L	0.563	7.09			0.563	- 20

AA35231

MB	Calcium	0.00		mEq/L						
MB	Magnesium	0.00		mEq/L						
MB	Sodium	0.00		mEq/L						
MB	Sodium Adsorption Ratio	0.01								

AA35232

LCS	Calcium	10.79		ppm			108	80 - 120		
LCS	Magnesium	10.94		ppm			109	80 - 120		
LCS	Sodium	10.85		ppm			108	80 - 120		
LCS	Sodium Adsorption Ratio	0.56		ppm			104	80 - 120		

AA35233

LCS	Calcium	497.13		ppm			99.4	80 - 120		
LCS	Magnesium	508.91		ppm			102	80 - 120		
LCS	Sodium	530.81		ppm			106	80 - 120		
LCS	Sodium Adsorption Ratio	4.00		ppm			106	80 - 120		