

TABLE 2.4-1

LABORATORY PARAMETERS AND METHOD REFERENCES

Parameter	Method¹
Saturation Paste and Extract Prep.	USDA Handbook 60 Methods 2, 3a, and 27b
pH (sat. extract) ²	USDA Handbook 60 Method 21a
Electrical Conductivity of sat. extract (EC)	ASA Monograph #9 Method 10-3.3
Electrical Conductivity of Soil Dilution (EC) ³	USDA Handbook 60 Method 3c
Calcium (sat. extract)	ICP-OES: ASA Monograph #9 Method 3-5.4
Magnesium (sat. extract)	ICP-OES: ASA Monograph #9 Method 3-5.4
Sodium (sat. extract)	ICP-OES: ASA Monograph #9 Method 3-5.4
Sodium Adsorption Ratio (SAR)	USDA Handbook 60 Method 20b
Particle Size Analysis (USDA textures)	Sand, Silt, Clay - Hydrometer Method
Particle Size Analysis (USDA textures)	Very Fine Sand - Wet Sieve or other standard method
Organic Matter	% By Weight - Loss on Ignition

¹ Acronym Definitions: USDA = United States Department of Agriculture; ASA = American Society of Agronomy; ICP-OES = Inductively Coupled Plasma Optical Emission Spectrometer.

² sat. extract = saturated paste extract

³ This test was conducted where the saturated paste extract volume was insufficient for analysis.