March 25, 2025

ASTM G187 Corrosivity Customer
Attn: Principal Engineer
1527 First Ave.
Greeley, CO 80631

Project No.: 1785848
Sample ID: B-2 @ 6'
Laboratory No.: E25999-6C

	Results[1,2]
pH (SI)	7.13
EPA 9045D (ASTM G51 available for some soil)	
Conductivity (mmhos/cm)	0.051
Resistivity (ohm-m)	196.08
USDA Handbook 60, temperature corrected conductivity probe, corrected for extraction ratio	
Minimum Lab Resistivity (ohm-cm)	13800
Minimum Lab Resistivity (ohm-m)	138
via Miller Box, Tinker & Razor SR-2 (ASTM G57)	
Two-Electrode Resistivity, as received (ohm-cm)[3]	8390
Two-Electrode Resistivity (ohm-m)	84
Two-Electrode Resistivity, saturated (ohm-cm)[3]	4331
Two-Electrode Resistivity (ohm-m)	43
via Miller Box, Tinker & Razor SR-2 (ASTM G187)	
Redox (mV vs. Ag/AgCl)	202
ASTM G200 (Hach 10228 if soil is low in moisture)	
Free Sulfide (mg/kg DMB)	ND
Hach method 8131, prescreened with lead acetate paper	
Chloride (mg/kg DMB)	10.13
ASTM D512 (Mohr Argentometric)	
Sulfate (mg/kg DMB)	10.2
Sulfate-S (mg/kg DMB)	3.4
ASTM C1580	

1. NA = Not Analyzed or Not Applicable. DMB = Dry Matter Basis. Measurements taken at 25°C.

2. pH, Conductivity, and Redox are generally read on a 1:1 soil:water mixture if the soil is dry.

3. Temperature-corrected to 15.5 °C.

Project Manager

Date