

ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51879 MA No.: SDG No.: MBHLJ8Matrix : Soil Analytical Method: ICP-AES% Solids: 82.3Concentration Units ($\mu\text{g/L}$, mg/L or mg/kg dry weight): mg/kg

Analyte	Initial Sample Result (I)	Q	Serial Dilution Result (S)	Q	% Difference	Q
Aluminum	6100		7100		17	
Antimony	3.3	J	3.6	J	9	
Arsenic	13		12		3	
Barium	130		150		17	
Beryllium	0.67		0.77	J	15	
Cadmium	0.74		0.75	J	2	
Calcium	6800		8000		17	
Chromium	20		24		20	
Cobalt	9.3		12	J	29	*
Copper	26		30		15	
Iron	15000		17000		17	
Lead	220		220		2	
Magnesium	2700		3200		17	
Manganese	540		640		18	
Nickel	17		17	J	2	
Potassium	520		2300	U	100	
Selenium	6.7		6.1	J	8	
Silver	0.9	U	4.5	U		
Sodium	450	U	2300	U		
Thallium	2.3	U	11.0	U		
Vanadium	17		22	J	31	
Zinc	170		190		18	