

ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51879 MA No.: SDG No.: MBHLR0Matrix : Soil Analytical Method: ICP-AES% Solids: 93.2Concentration 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	5400		6400		18	
Antimony	2.8	J	3.0	J	7	
Arsenic	8.7		5.2		40	
Barium	68		80		17	
Beryllium	0.54		0.63	J	18	
Cadmium	0.46		0.41	J	9	
Calcium	20000		24000		19	
Chromium	11		13		18	
Cobalt	9.8		16	J	61	*
Copper	24		29		21	*
Iron	13000		15000		20	
Lead	68		71		4	
Magnesium	4700		5600		19	
Manganese	630		760		20	
Nickel	14		13	J	2	
Potassium	430		1900	U	100	
Selenium	5.4		4.0	J	26	
Silver	0.32	J	3.8	U	100	
Sodium	380	U	1900	U		
Thallium	1.9	U	9.6	U		
Vanadium	13		15	J	15	
Zinc	55		64		18	