

ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51879 MA No.: SDG No.: MBHKB0Matrix : Soil Analytical Method: ICP-AES% Solids: 80.3Concentration 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	5000		5500		8	
Antimony	1.8	J	26.0	U	100	
Arsenic	10		11		6	
Barium	120		130		9	
Beryllium	0.5		0.59	J	19	
Cadmium	0.65		0.63	J	3	
Calcium	10000		11000		11	
Chromium	8.3		9.2		10	
Cobalt	9.2		12	J	33	*
Copper	38		46		20	
Iron	13000		14000		10	
Lead	160		160		1	
Magnesium	2600		2800		11	
Manganese	1000		1100		10	
Nickel	13		12	J	7	
Potassium	590		690	J	16	
Selenium	3.0	U	15.0	U		
Silver	0.85	U	4.3	U		
Sodium	430	U	2100	U		
Thallium	2.1		3.3	J	59	
Vanadium	12		9.1	J	21	
Zinc	120		120		2	