

ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51698 MA No.: SDG No.: MBHCN1Matrix : Soil Analytical Method: ICP-AES% Solids: 81.3Concentration 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	16000		17000		8	
Antimony	5.7	U	28.0	U		
Arsenic	0.95	U	4.7	U		
Barium	100		110		10	
Beryllium	0.94		1.3	J	33	
Cadmium	1.2		0.7	J	40	
Calcium	49000	D	50000	D	2	
Chromium	330		380		15	
Cobalt	43		43		1	
Copper	40		42		7	
Iron	39000		45000		16	
Lead	12		11		5	
Magnesium	37000		40000		7	
Manganese	750		860		14	
Nickel	530	D	510	D	3	
Potassium	1000		860	J	17	
Selenium	3.3	U	17.0	U		
Silver	0.95	U	4.7	U		
Sodium	700		990	J	42	
Thallium	2.4	U	12.0	U		
Vanadium	110		120		12	
Zinc	53		58		8	