

ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51879 MA No.: SDG No.: MBHMN6Matrix : Soil Analytical Method: ICP-AES% Solids: 79.2Concentration 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	8500		11000		30	*
Antimony	3.9	J	3.4	J	13	
Arsenic	14		15		6	
Barium	170		210		29	*
Beryllium	0.78		1.0	J	29	
Cadmium	0.89		0.81	J	9	
Calcium	6400		8300		31	*
Chromium	12		15		26	*
Cobalt	5.0		4.7	J	5	
Copper	20		27		36	
Iron	19000		24000		29	*
Lead	120		120		0	
Magnesium	2500		3400		36	*
Manganese	1500		1900		31	*
Nickel	16		15	J	4	
Potassium	530		480	J	8	
Selenium	10		10	J	3	
Silver	0.66	J	0.7	J	5	
Sodium	440	U	2200	U		
Thallium	2.2	U	11.0	U		
Vanadium	18		24		32	
Zinc	130		160		28	*