

ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51879 MA No.: SDG No.: MBHKB4Matrix : Soil Analytical Method: ICP-AES% Solids: 84.5Concentration 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	8300		9900		20	
Antimony	3.2	J	32.0	U	100	
Arsenic	18		16		9	
Barium	200		240		21	*
Beryllium	0.65		0.81	J	24	
Cadmium	1.2		1.2	J	3	
Calcium	24000		29000		23	*
Chromium	12		15		22	*
Cobalt	17		24	J	44	*
Copper	28		33		15	
Iron	23000		28000		23	*
Lead	64		68		6	
Magnesium	8900		11000		22	*
Manganese	3900	D	4500	D	15	
Nickel	23		22		2	
Potassium	580		900	J	55	
Selenium	3.7	U	19.0	U		
Silver	1.1	U	5.3	U		
Sodium	530	U	2700	U		
Thallium	6.1		9.9	J	62	
Vanadium	15		15	J	5	
Zinc	69		79		15	