

ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51879 MA No.: SDG No.: MBHHS7Matrix : Soil Analytical Method: ICP-AES% Solids: 79Concentration Units ($\mu\text{g/L}$, mg/L or mg/kg dry weight): mg/kg

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Difference	
		Q		Q		Q
Aluminum	2600		2900		11	
Antimony	5.9	U	30.0	U		
Arsenic	3.9		3.1	J	21	
Barium	15	J	16	J	4	
Beryllium	0.34	J	0.4	J	19	
Cadmium	0.38	J	0.4	J	6	
Calcium	120000	D	120000	D	8	
Chromium	5.5		6.9		25	*
Cobalt	8.1		19	J	133	*
Copper	11		15		28	
Iron	9000		11000		16	
Lead	39		44		12	
Magnesium	57000		65000		14	
Manganese	580		670		16	
Nickel	10		11	J	2	
Potassium	970		720	J	26	
Selenium	3.5	U	17.0	U		
Silver	0.094	J	4.9	U	100	
Sodium	490	U	2500	U		
Thallium	1.1	J	5.6	J	390	
Vanadium	5.8		5.3	J	8	
Zinc	78		91		16	