

ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51879 MA No.: SDG No.: MBHHB2Matrix : Soil Analytical Method: ICP-AES% Solids: 74Concentration 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	7500		8200		9	
Antimony	0.8	J	34.0	U	100	
Arsenic	6.3		6.2		1	
Barium	140		150		9	
Beryllium	0.43	J	0.51	J	17	
Cadmium	0.95		0.8	J	16	
Calcium	21000		23000		11	
Chromium	17		18		8	
Cobalt	6.7		5.4	J	20	
Copper	58		64		10	
Iron	16000		18000		13	
Lead	120		130		7	
Magnesium	4700		5200		10	
Manganese	660		740		12	
Nickel	17		17	J	1	
Potassium	970		1100	J	18	
Selenium	3.9	U	20.0	U		
Silver	1.1	U	5.6	U		
Sodium	560	U	2800	U		
Thallium	2.8	U	14.0	U		
Vanadium	21		22	J	5	
Zinc	170		180		10	