

ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51879 MA No.: SDG No.: MBHN64Matrix : Soil Analytical Method: ICP-AES% Solids: 74.2Concentration 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	5800		6200		8	
Antimony	2.3	J	36.0	U	100	
Arsenic	12		6.8		41	
Barium	130		140		7	
Beryllium	0.89		0.84	J	6	
Cadmium	1.1		1.0	J	6	
Calcium	9500		10000		8	
Chromium	17		19		8	
Cobalt	11		14	J	28	*
Copper	51		56		10	
Iron	16000		17000		7	
Lead	290		280		3	
Magnesium	3500		3800		9	
Manganese	590		650		9	
Nickel	28		26		8	
Potassium	600	U	3000	U		
Selenium	8.6		11	J	32	
Silver	1.2	U	6.0	U		
Sodium	600	U	3000	U		
Thallium	3.0	U	15.0	U		
Vanadium	17		18	J	7	
Zinc	190		200		9	