

ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51879 MA No.: SDG No.: MBHJ56Matrix : Soil Analytical Method: ICP-AES% Solids: 81.3Concentration 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	5300		5700		7	
Antimony	5.3	U	27.0	U		
Arsenic	9.7		8.7		10	
Barium	60		63	J	6	
Beryllium	0.43	J	0.51	J	19	
Cadmium	0.32	J	0.31	J	4	
Calcium	120000	D	130000	D	12	
Chromium	8.1		9.0		12	
Cobalt	12		20	J	73	*
Copper	36		38		4	
Iron	13000		15000		12	
Lead	110		100		6	
Magnesium	2700		3100		13	
Manganese	1200		1300		12	
Nickel	16		15	J	7	
Potassium	570		290	J	49	
Selenium	3.1	U	16.0	U		
Silver	0.89	U	4.4	U		
Sodium	440	U	2200	U		
Thallium	0.91	J	4.6	J	409	
Vanadium	11		8.8	J	19	
Zinc	69		78		12	