

ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51879 MA No.: SDG No.: MBHKX9Matrix : Soil Analytical Method: ICP-AES% Solids: 94.3Concentration 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	4100		4500		10	
Antimony	2.1	J	1.7	J	21	
Arsenic	4.5		2.7	J	40	
Barium	50		54	J	9	
Beryllium	0.35	J	0.4	J	14	
Cadmium	0.22	J	0.18	J	17	
Calcium	68000	D	71000	D	5	
Chromium	6.4		7.6		18	
Cobalt	8.7		18	J	100	*
Copper	12		12		1	
Iron	11000		13000		12	
Lead	24		26		7	
Magnesium	15000		17000		13	
Manganese	650		740		13	
Nickel	13		11	J	13	
Potassium	540		520	J	3	
Selenium	2.6	J	14.0	U	100	
Silver	0.77	U	3.9	U		
Sodium	98	J	1900	U	100	
Thallium	1.9	U	7.8	J	100	
Vanadium	9.2		6.4	J	31	
Zinc	35		39		11	