

ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51879 MA No.: SDG No.: MBHKD6Matrix : Soil Analytical Method: ICP-AES% Solids: 88.4Concentration 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	4500		4900		9	
Antimony	5.1	U	25.0	U		
Arsenic	2.1		4.2	U	100	
Barium	75		82	J	9	
Beryllium	0.35	J	0.38	J	11	
Cadmium	0.26	J	0.25	J	5	
Calcium	48000		54000		12	
Chromium	7.2		8.0		11	
Cobalt	8.5		16	J	92	*
Copper	13		16		24	
Iron	11000		13000		12	
Lead	21		22		3	
Magnesium	11000		13000		12	
Manganese	650		740		13	
Nickel	13		13	J	0	
Potassium	480		330	J	31	
Selenium	3.0	U	15.0	U		
Silver	0.84	U	4.2	U		
Sodium	89	J	2100	U	100	
Thallium	0.64	J	4.7	J	627	
Vanadium	13		13	J	0	
Zinc	36		41		13	