

ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51879 MA No.: SDG No.: MBHK52Matrix : Soil Analytical Method: ICP-AES% Solids: 80.8Concentration 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	4700		5200		11	
Antimony	1.3	J	26.0	U	100	
Arsenic	11		9.2		15	
Barium	190		220		11	
Beryllium	0.43	J	0.52	J	19	
Cadmium	1.2		1.2	J	1	
Calcium	35000		39000		12	
Chromium	9.8		12		17	
Cobalt	11		20	J	77	*
Copper	27		25		9	
Iron	11000		13000		13	
Lead	390		400		3	
Magnesium	3400		3900		14	
Manganese	910		1000		13	
Nickel	13		12	J	2	
Potassium	410	J	2200	U	100	
Selenium	3.1	U	15.0	U		
Silver	0.88	U	4.4	U		
Sodium	440	U	2200	U		
Thallium	2.8		8.3	J	196	
Vanadium	12		9.2	J	21	
Zinc	150		160		11	