

ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51879 MA No.: SDG No.: MBHN27Matrix : Soil Analytical Method: ICP-AES% Solids: 87.7Concentration 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	4700		5300		11	
Antimony	2.2	J	28.0	U	100	
Arsenic	3.7		4.7	U	100	
Barium	35		37	J	6	
Beryllium	0.35	J	0.3	J	14	
Cadmium	0.11	J	2.4	U	100	
Calcium	51000		57000		12	
Chromium	7.5		8.8		17	
Cobalt	6.2		15	J	146	*
Copper	18		21		19	
Iron	13000		14000		12	
Lead	11		12		6	
Magnesium	9700		11000		16	
Manganese	610		700		14	
Nickel	13		13	J	7	
Potassium	460	J	510	J	11	
Selenium	2.7	J	17.0	U	100	
Silver	0.22	J	4.7	U	100	
Sodium	110	J	2400	U	100	
Thallium	2.4	U	4.5	J	100	
Vanadium	13		14	J	13	
Zinc	27		30		13	