

ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51879 MA No.: SDG No.: MBHL03Matrix : Soil Analytical Method: ICP-AES% Solids: 86.5Concentration 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	8500		9800		15	
Antimony	3.5	J	2.6	J	25	
Arsenic	25		26		6	
Barium	150		170		16	
Beryllium	0.96		1.2	J	21	
Cadmium	0.81		0.79	J	2	
Calcium	2600		3100		16	
Chromium	17		20		19	
Cobalt	11		12	J	12	
Copper	47		55		18	
Iron	19000		22000		16	
Lead	230		240		6	
Magnesium	1700		2000	J	16	
Manganese	760		890		17	
Nickel	17		18	J	5	
Potassium	580		350	J	40	
Selenium	8.5		8.8	J	4	
Silver	0.56	J	0.53	J	5	
Sodium	500	U	2500	U		
Thallium	2.5	U	13.0	U		
Vanadium	22		27		22	
Zinc	170		200		19	