

ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51716 MA No.: SDG No.: MC0PI1Matrix : Soil Analytical Method: ICP-AES% Solids: 94.5Concentration 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	2400		2500		5	
Antimony	0.72	J	23.0	U	100	
Arsenic	1.0		3.8	U	100	
Barium	19		21	J	6	
Beryllium	0.35	J	0.35	J	0	
Cadmium	0.11	J	0.12	J	5	
Calcium	680		690	J	2	
Chromium	5.2		5.8		12	
Cobalt	2.5	J	2.7	J	6	
Copper	9.4		9.4		0	
Iron	4100		4400		6	
Lead	9.0		8.2		9	
Magnesium	290	J	310	J	5	
Manganese	82		82		1	
Nickel	3.3		3.1	J	7	
Potassium	180	J	1900	U	100	
Selenium	2.6	U	13.0	U		
Silver	0.75	U	3.8	U		
Sodium	380	U	1900	U		
Thallium	1.9	U	9.4	U		
Vanadium	5.8		6.7	J	15	
Zinc	16		18	J	11	