

ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51879 MA No.: SDG No.: MBHL70Matrix : Soil Analytical Method: ICP-AES% Solids: 85.8Concentration 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	5500		6100		11	
Antimony	2.1	J	27.0	U	100	
Arsenic	5.4		4.7		14	
Barium	67		75	J	10	
Beryllium	0.57		0.56	J	1	
Cadmium	0.25	J	0.2	J	20	
Calcium	6100		6600		10	
Chromium	7.4		8.3		12	
Cobalt	8.8		11	J	26	*
Copper	8.1		9.9	J	23	
Iron	14000		15000		10	
Lead	14		15		4	
Magnesium	2700		3000		10	
Manganese	650		720		11	
Nickel	10		9.9	J	3	
Potassium	60	J	2300	U	100	
Selenium	6.0		7.5	J	26	
Silver	0.43	J	4.5	U	100	
Sodium	130	J	2300	U	100	
Thallium	2.3	U	11.0	U		
Vanadium	15		14	J	8	
Zinc	30		36		21	