

ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51879 MA No.: SDG No.: MBHMA8Matrix : Soil Analytical Method: ICP-AES% Solids: 80.3Concentration 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	3300		3600		9	
Antimony	1.4	J	26.0	U	100	
Arsenic	5.1		4.4	U	100	
Barium	32		33	J	4	
Beryllium	0.43	J	0.63	J	47	
Cadmium	0.25	J	0.21	J	15	
Calcium	180000	D	180000	D	2	
Chromium	5.0		5.9		17	
Cobalt	10		22		113	*
Copper	16		14		8	
Iron	10000		12000		13	
Lead	32		35		10	
Magnesium	16000		19000		14	
Manganese	620		700		13	
Nickel	12		11	J	8	
Potassium	1200		1300	J	3	
Selenium	3.1	U	15.0	U		
Silver	0.88	U	4.4	U		
Sodium	140	J	2200	U	100	
Thallium	1.3	J	13		886	
Vanadium	5.6		2.2	J	61	
Zinc	53		59		13	