

ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51698 MA No.: SDG No.: MBHCS8Matrix : Soil Analytical Method: ICP-AES% Solids: 81.4Concentration 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	13000		14000		9	
Antimony	0.43	J	27.0	U	100	
Arsenic	0.91	U	4.6	U		
Barium	57		62	J	9	
Beryllium	0.77		0.92	J	20	
Cadmium	1.6		1.2	J	22	*
Calcium	100000	D	110000	D	6	
Chromium	170		200		15	
Cobalt	28		28		1	
Copper	36		40		12	
Iron	34000		40000		17	
Lead	14		15		8	
Magnesium	18000		20000		10	
Manganese	420		490		16	
Nickel	220		230		5	
Potassium	1700		1900	J	11	
Selenium	3.2	U	16.0	U		
Silver	0.91	U	4.6	U		
Sodium	610		510	J	17	
Thallium	2.3	U	11.0	U		
Vanadium	94		110		13	
Zinc	130		140		11	