

ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51698 MA No.: SDG No.: MBHCH8Matrix : Soil Analytical Method: ICP-AES% Solids: 86.7Concentration 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	15000		16000		4	
Antimony	5.0	U	25.0	U		
Arsenic	0.83	U	4.2	U		
Barium	120		130		5	
Beryllium	0.94		1.1	J	20	
Cadmium	1.0		0.72	J	30	
Calcium	21000		23000		7	
Chromium	350		410		16	
Cobalt	44		45		3	
Copper	42		43		3	
Iron	38000		42000		11	
Lead	10		11		6	
Magnesium	40000		41000		2	
Manganese	740		820		10	
Nickel	570	D	560	D	1	
Potassium	1100		990	J	8	
Selenium	2.9	U	15.0	U		
Silver	0.83	U	4.2	U		
Sodium	560		760	J	36	
Thallium	2.1	U	10.0	U		
Vanadium	100		100		4	
Zinc	48		53		11	