

ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51879 MA No.: SDG No.: MBHLE9Matrix : Soil Analytical Method: ICP-AES% Solids: 86Concentration 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	6500		8000		24	*
Antimony	0.63	J	29.0	U	100	
Arsenic	10		12		17	
Barium	100		130		22	*
Beryllium	0.67		0.85	J	27	
Cadmium	0.4	J	0.31	J	22	
Calcium	5900		7500		26	*
Chromium	11		13		20	
Cobalt	9.9		13	J	28	*
Copper	22		25		15	
Iron	16000		20000		25	*
Lead	26		27		3	
Magnesium	2600		3300		26	*
Manganese	1100		1400		25	*
Nickel	16		16	J	3	
Potassium	670		870	J	29	
Selenium	9.2		9.6	J	4	
Silver	0.95	U	4.8	U		
Sodium	480	U	2400	U		
Thallium	2.4	U	12.0	U		
Vanadium	15		17	J	11	
Zinc	57		81		43	*