

ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51817 MA No.: SDG No.: MYE4R9Matrix : Soil Analytical Method: ICP-AES% Solids: 96.7Concentration 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	21000	D	23000	D	10	
Antimony	2.0	JD	4.3	JD	110	
Arsenic	72	D	76	D	6	
Barium	300	D	320	D	8	
Beryllium	1.3	D	1.7	JD	24	
Cadmium	2.4	D	2.2	JD	9	
Calcium	4400	D	4900	D	13	
Chromium	47	D	51	D	9	
Cobalt	29	D	29	JD	3	
Copper	160	D	170	D	11	
Iron	50000	D	57000	D	13	
Lead	51	D	53	D	5	
Magnesium	10000	D	11000	D	11	
Manganese	1100	D	1200	D	10	
Nickel	67	D	68	D	2	
Potassium	3100	D	3300	JD	7	
Selenium	5.8	UD	29.0	UD		
Silver	1.7	UD	8.3	UD		
Sodium	270	JD	4200	UD	100	
Thallium	4.2	UD	21.0	UD		
Vanadium	98	D	100	D	3	
Zinc	140	D	160	D	12	