

EPA SAMPLE NO.

MBHHA7L

FORM 8-IN

ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51979 MA No.: SDG No.: MBHHA3Matrix : Soil Analytical Method: ICP-AES% Solids: 87.4Concentration 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	6500		6800		6	
Antimony	3.8	J	4.0	J	4	
Arsenic	12		12		0	
Barium	81		86	J	5	
Beryllium	0.87		0.91	J	5	
Cadmium	0.036	J	2.3	U	100	
Calcium	680		700	J	3	
Chromium	10		11		5	
Cobalt	4.8		4.8	J	0	
Copper	7.0		3.6	J	49	
Iron	17000		18000		5	
Lead	13		13		5	
Magnesium	510		560	J	9	
Manganese	88		94		6	
Nickel	4.9		4.9	J	1	
Potassium	2900		3100		7	
Selenium	3.2	U	16.0	U		
Silver	0.9	U	4.5	U		
Sodium	450	U	2300	U		
Thallium	2.3	U	11.0	U		
Vanadium	11		11	J	5	
Zinc	5.4	U	27.0	U		

Concentration Units (µg/L, mg/L or mg/kg dry weight): ug/L

Analyte	Initial Sample Result (I)	Q	Serial Dilution Result (S)	Q	% Difference	Q
Aluminum	52	J	1000	U	100	
Antimony	60.0	U	300	U		
Arsenic	10.0	U	50.0	U		
Barium	10	J	1000	U	100	
Beryllium	5.0	U	25.0	U		
Cadmium	5.0	U	25.0	U		
Calcium	11000		11000	J	3	
Chromium	10.0	U	50.0	U		
Cobalt	8.0	J	250	U	100	
Copper	25.0	U	130	U		
Iron	290		340	J	17	
Lead	10.0	U	50.0	U		
Magnesium	2500	J	2400	J	3	
Manganese	110		110		1	
Nickel	3.3	J	200	U	100	
Potassium	5000	U	25000	U		
Selenium	35.0	U	180	U		
Silver	10.0	U	50.0	U		
Sodium	5600		7300	J	29	
Thallium	25.0	U	130	U		
Vanadium	50.0	U	250	U		
Zinc	25	J	300	U	100	