

EPA SAMPLE NO.

MBHDD0L

FORM 8-IN

ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51698 MA No.: SDG No.: MBHCY5Matrix : Soil Analytical Method: ICP-AES% Solids: 84.4Concentration 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	12000		13000		6	
Antimony	6.1	U	31.0	U		
Arsenic	1.0	U	2.7	J	100	
Barium	81		86	J	7	
Beryllium	0.7		1.1	J	49	
Cadmium	1.2		0.74	J	35	
Calcium	140000	D	150000	D	3	
Chromium	240		270		13	
Cobalt	26		26		1	
Copper	30		32		6	
Iron	30000		35000		16	
Lead	18		20		10	
Magnesium	29000		31000		9	
Manganese	520		590		13	
Nickel	280		290		4	
Potassium	980		810	J	17	
Selenium	3.6	U	18.0	U		
Silver	0.12	J	2.4	J	1851	
Sodium	930		1200	J	33	
Thallium	2.6	U	13.0	U		
Vanadium	83		87		5	
Zinc	70		75		8	