

EPA SAMPLE NO.

YE8F7L

FORM 8-IN

ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51955 MA No.: SDG No.: YE8F8Matrix : Soil Analytical Method: ICP-MS% Solids: 91.2Concentration 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	14000		16000		11	
Antimony	0.37	J	0.36	J	1	
Arsenic	15		18		27	*
Barium	170		170		1	
Beryllium	0.6		0.59	J	2	
Cadmium	0.18	J	2.3	U	100	
Calcium	2000		2200		8	
Chromium	28		32		16	
Cobalt	23		26		16	
Copper	51		60		18	
Iron	47000		51000		10	
Lead	11		11		0	
Magnesium	7900		8800		12	
Manganese	1900		2100		11	
Nickel	53		64		19	
Potassium	1500		1700		13	
Selenium	0.46	J	11.0	U	100	
Molybdenum	2.0		2.2	J	13	
Silver	0.032	J	2.3	U	100	
Sodium	17	J	2.6	J	85	*
Thallium	0.12	J	2.3	U	100	
Vanadium	62		71		15	
Zinc	91		100		13	
Strontium	16	JD	17	JD	6	