EPA SAMPLE NO.

MJNBZ9L

FORM 8-IN

ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51918 MA No.: SDG No.: MJNBZ5

Matrix : Water Analytical Method: ICP-MS

% Solids:

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	99		110		11	
Antimony	0.24	J	10.0	U	100	
Arsenic	0.63	J	5.0	U	100	
Barium	1.1	J	50.0	U	100	
Beryllium	1.0	U	5.0	U		
Cadmium	1.0	U	5.0	U		
Calcium	19000		19000		1	
Chromium	0.64	J	10.0	U	100	
Cobalt	0.23	J	5.0	U	100	
Copper	5.5		8.0	J	45	
Iron	300		300	J	3	
Lead	0.28	J	5.0	U	100	
Magnesium	4500		4400		4	
Manganese	10		11		3	
Nickel	1.8		1.2	J	34	
Potassium	560		540	J	3	
Selenium	1.4	J	25.0	U	100	
Molybdenum	0.44	J	25.0	U	100	
Silver	1.0	U	5.0	U		
Sodium	9600		9700		1	
Thallium	1.0	U	5.0	U		
Vanadium	1.4	J	1.3	J	5	
Zinc	1.5	J	25.0	U	100	

EPA SAMPLE NO.

MJNBZ5L

FORM 8-IN

ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51918 MA No.: SDG No.: MJNBZ5

Matrix : Soil Analytical Method: ICP-MS

% Solids: 62.5

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

Analyte	Initial Sample Result (I)	Q	Serial Dilution Result(S)	Q	% Difference	Q
Aluminum	18000		18000		3	
Antimony	0.079	J	6.1	U	100	
Arsenic	4.2		4.5		9	
Barium	65		67		2	
Beryllium	0.61		0.79	J	31	
Cadmium	0.61	U	3.1	U		
Calcium	7800		8400		7	
Chromium	20		20		4	
Cobalt	20		20		4	
Copper	56		59		6	
Iron	32000		34000		6	
Lead	57		56		2	
Magnesium	8900		8900		0	
Manganese	520		520		1	
Nickel	26		27		5	
Potassium	650		670	J	3	
Selenium	3.1	U	15.0	U		
Molybdenum	0.26	J	0.28	J	7	
Silver	0.092	J	3.1	U	100	
Sodium	280	J	360	J	29	*
Thallium	0.17	J	0.21	J	25	
Vanadium	76		79		4	
Zinc	74		78		6	