

EPA SAMPLE NO.

MYE5N3L

FORM 8-IN

ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51817 MA No.: SDG No.: MYE5N3Matrix : Soil Analytical Method: ICP-AES% Solids: 97.3Concentration 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	10000	D	10000	D	3	
Antimony	9.8	UD	49.0	UD		
Arsenic	19	D	23	D	21	
Barium	130	D	130	JD	2	
Beryllium	0.3	JD	0.34	JD	14	
Cadmium	0.34	JD	0.27	JD	18	
Calcium	3200	D	3300	JD	3	
Chromium	28	D	28	D	1	
Cobalt	14	D	14	JD	4	
Copper	74	D	78	D	6	
Iron	27000	D	28000	D	4	
Lead	24	D	23	D	3	
Magnesium	5300	D	5500	D	3	
Manganese	760	D	790	D	4	
Nickel	25	D	24	JD	3	
Potassium	2900	D	3000	JD	1	
Selenium	5.7	UD	29.0	UD		
Silver	1.6	UD	8.2	UD		
Sodium	820	UD	4100	UD		
Thallium	4.1	UD	20.0	UD		
Vanadium	39	D	28	JD	27	*
Zinc	80	D	84	D	5	

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MYE5N4L

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Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51817 MA No.: SDG No.: MYE5N3Matrix : Soil Analytical Method: ICP-AES% Solids: 95.3Concentration 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	12000	D	13000	D	4	
Antimony	0.81	JD	44.0	UD	100	
Arsenic	18	D	27	D	52	
Barium	150	D	160	D	3	
Beryllium	0.33	JD	0.33	JD	1	
Cadmium	0.73	UD	3.6	UD		
Calcium	6200	D	6500	D	5	
Chromium	33	D	33	D	3	
Cobalt	16	D	15	JD	3	
Copper	38	D	38	D	1	
Iron	28000	D	30000	D	6	
Lead	14	D	13	D	6	
Magnesium	6200	D	6400	D	3	
Manganese	800	D	840	D	5	
Nickel	31	D	31	D	1	
Potassium	1800	D	1800	JD	0	
Selenium	5.1	UD	26.0	UD		
Silver	1.5	UD	7.3	UD		
Sodium	730	UD	3600	UD		
Thallium	3.6	UD	18.0	UD		
Vanadium	43	D	38	D	12	
Zinc	55	D	58	D	7	