

MYE481SRE

FORM 5A - IN

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Chemtech Consulting Group

Contract: EPW14030

Lab Code: ACE

Case No.: 51817

MA No. :

SDG No.: MYE470

Matrix : Soil

Analytical Method: ICP-MS

% Solids: 95.3

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	Q	Sample Result (SR)	Q	Spike Added (SA)	%R	Q
Antimony	75 - 125	130		0.86	J	127.5	104	
Arsenic	75 - 125	100		54		51.0	89	
Barium	75 - 125	2700	D	240	D	2550	95	
Beryllium	75 - 125	65		0.78		63.0	102	
Cadmium	75 - 125	66		0.88		63.0	102	
Chromium	75 - 125	290		47		253.5	95	
Cobalt	75 - 125	640	D	23	D	634.5	96	
Copper	75 - 125	420		130		318	91	
Lead	75 - 125	53		31		25.5	85	
Nickel	75 - 125	680	D	46	D	634.5	100	
Selenium	75 - 125	140		0.41	J	127.5	107	
Silver	75 - 125	37		0.37	J	63.0	57	*
Thallium	75 - 125	60		0.19	J	63.0	94	
Vanadium	75 - 125	680	D	78	D	634.5	95	
Zinc	75 - 125	680		110		634.5	90	

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Analyte	Control Limit %R	Spiked Sample Result (SSR)	Q	Sample Result (SR)	Q	Spike Added (SA)	%R	Q
Antimony	75 - 125	29		0.86	J	24.9	112	
Arsenic		63		54		9.9	84	
Barium	75 - 125	730	D	240	D	510	98	
Beryllium	75 - 125	16		0.78		12.6	118	
Cadmium	75 - 125	16		0.88		12.6	118	
Chromium	75 - 125	100		47		50.1	106	
Cobalt	75 - 125	160	D	23	D	124.8	111	
Copper	75 - 125	190		130		62.4	90	
Lead		35		31		5.1	75	
Nickel	75 - 125	190	D	46	D	124.8	114	
Selenium	75 - 125	31		0.41	J	24.9	122	
Silver	75 - 125	12		0.37	J	12.6	96	
Thallium	75 - 125	13		0.19	J	12.6	100	
Vanadium	75 - 125	210	D	78	D	124.8	107	
Zinc	75 - 125	240		110		124.8	103	