

FORM 5A - IN

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Chemtech Consulting Group

Contract: EPW14030

Lab Code: ACE Case No.: 51772

MA No. : SDG No.: MYDB42

Matrix : Soil

Analytical Method: ICP-MS

% Solids: 97.5

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	95		0.94		114	82	
Arsenic	75 - 125	110		88		45.0	56	*
Barium	75 - 125	2100	D	140	D	2250	87	
Beryllium	75 - 125	52		0.57		57.0	91	
Cadmium	75 - 125	47		1.2		57.0	81	
Chromium	75 - 125	210		18		228	84	
Cobalt	75 - 125	520	D	12	D	570	89	
Copper	75 - 125	300		77		285	79	
Lead	75 - 125	82		72		22.5	46	*
Nickel	75 - 125	540	D	17	D	570	92	
Selenium	75 - 125	98		0.81	J	114	86	
Silver	75 - 125	31		0.47		57.0	54	*
Thallium	75 - 125	41		0.1	J	57.0	71	*
Vanadium	75 - 125	550	D	53	D	570	87	
Zinc	75 - 125	720		290		570	76	

MYDB51S

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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	27		0.94		24.9	107	
Arsenic		100		88		9.9	161	
Barium	75 - 125	680	D	140	D	510	110	
Beryllium	75 - 125	16		0.57		12.3	126	*
Cadmium	75 - 125	15		1.2		12.3	111	
Chromium	75 - 125	74		18		49.5	114	
Cobalt	75 - 125	160	D	12	D	124.2	117	
Copper	75 - 125	150		77		62.1	114	
Lead		87		72		5.1	304	
Nickel	75 - 125	170	D	17	D	124.2	121	
Selenium	75 - 125	27		0.81	J	24.9	107	
Silver	75 - 125	12		0.47		12.3	94	
Thallium	75 - 125	12		0.1	J	12.3	96	
Vanadium	75 - 125	200	D	53	D	124.2	119	
Zinc	75 - 125	450		290		124.2	127	*