

FORM 5A - IN

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Chemtech Consulting Group

Contract: EPW14030

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	Control Limit %R	Spiked Sample Result (SSR) Q	Sample Result (SR) Q	Spike Added (SA)	%R	Q
Antimony	75 - 125	110	0.24 J	100	106	
Arsenic	75 - 125	43	0.63 J	40.0	106	
Barium	75 - 125	2100	1.1 J	2000	107	
Beryllium	75 - 125	53	1.0 U	50.0	106	
Cadmium	75 - 125	51	1.0 U	50.0	102	
Chromium	75 - 125	210	0.64 J	200	105	
Cobalt	75 - 125	540	0.23 J	500	108	
Copper	75 - 125	260	5.5	250	102	
Lead	75 - 125	20	0.28 J	20.0	100	
Manganese	75 - 125	530	10	500	104	
Nickel	75 - 125	540	1.8	500	108	
Molybdenum	75 - 125	45	0.44 J	50.0	89	
Selenium	75 - 125	110	1.4 J	100	109	
Silver	75 - 125	54	1.0 U	50.0	108	
Thallium	75 - 125	51	1.0 U	50.0	101	
Vanadium	75 - 125	530	1.4 J	500	106	
Zinc	75 - 125	550	1.5 J	500	109	

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MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Chemtech Consulting Group

Contract: EPW14030

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	Control Limit %R	Spiked Sample Result (SSR) Q	Sample Result (SR) Q	Spike Added (SA)	%R	Q
Antimony	75 - 125	12	0.079 J	11.2	106	
Arsenic	75 - 125	8.5	4.2	4.5	98	
Barium	75 - 125	300	65	220	105	
Beryllium	75 - 125	6.4	0.61	5.6	103	
Cadmium	75 - 125	6.2	0.61 U	5.6	111	
Chromium	75 - 125	41	20	22.4	95	
Cobalt	75 - 125	74	20	55.9	98	
Copper	75 - 125	78	56	28.0	79	
Lead		55	57	2.2	-98	
Manganese		530	520	55.9	21	
Nickel	75 - 125	82	26	55.9	101	
Molybdenum	75 - 125	110	0.26 J	110	94	
Selenium	75 - 125	12	3.1 U	11.2	107	
Silver	75 - 125	6.1	0.092 J	5.6	108	
Thallium	75 - 125	5.5	0.17 J	5.6	95	
Vanadium	75 - 125	130	76	55.9	90	
Zinc	75 - 125	120	74	55.9	90	