

FORM 5A - IN

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Chemtech Consulting GroupContract: EPW14030Lab Code: ACE Case No.: 51979MA No. : SDG No.: MBHHA3Matrix : SoilAnalytical Method: ICP-AES% Solids: 87.4Concentration 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	21		3.8	J	18.3	93	
Arsenic	75 - 125	20		12		7.32	119	
Barium	75 - 125	470		81		366	105	
Beryllium	75 - 125	10		0.87		9.15	104	
Cadmium	75 - 125	9.5		0.036	J	9.15	103	
Chromium	75 - 125	51		10		36.6	111	
Cobalt	75 - 125	100		4.8		91.5	104	
Copper	75 - 125	55		7.0		45.8	105	
Lead	75 - 125	16		13		3.66	102	
Manganese	75 - 125	180		88		91.5	104	
Nickel	75 - 125	100		4.9		91.5	105	
Selenium	75 - 125	15		3.2	U	18.3	82	
Silver	75 - 125	5.7		0.9	U	9.15	62	*
Thallium	75 - 125	6.9		2.3	U	9.15	75	
Vanadium	75 - 125	110		11		91.5	104	
Zinc	75 - 125	84		5.4	U	91.5	92	

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MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Chemtech Consulting Group

Contract: EPW14030

Lab Code: ACE Case No.: 51979

MA No. : SDG No.: MBHHA3

Matrix : Water

Analytical Method: ICP-AES

% 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
Aluminum	75 - 125	2000		52	J	2000	96	
Antimony	75 - 125	97		60.0	U	100	97	
Arsenic	75 - 125	49		10.0	U	40.0	121	
Barium	75 - 125	2000		10	J	2000	101	
Beryllium	75 - 125	53		5.0	U	50.0	107	
Cadmium	75 - 125	45		5.0	U	50.0	90	
Chromium	75 - 125	220		10.0	U	200	108	
Cobalt	75 - 125	470		8.0	J	500	92	
Copper	75 - 125	250		25.0	U	250	101	
Iron	75 - 125	1300		290		1000	103	
Lead	75 - 125	17		10.0	U	20.0	85	
Manganese	75 - 125	640		110		500	106	
Nickel	75 - 125	470		3.3	J	500	93	
Selenium	75 - 125	96		35.0	U	100	96	
Silver	75 - 125	37		10.0	U	50.0	74	*
Thallium	75 - 125	52		25.0	U	50.0	103	
Vanadium	75 - 125	510		50.0	U	500	101	
Zinc	75 - 125	470		25	J	500	90	