

Appendix B

Total Elemental Content by Digestion

<u>Fly Ash</u>	<u>B-1</u>
<u>Scrubber Sludge</u>	<u>B-2</u>
<u>Gypsum</u>	<u>B-3</u>
<u>Fixated Scrubber Sludge (FSS)</u>	<u>B-4</u>
<u>Fixated Scrubber Sludge with Lime (FSSL)</u>	<u>B-5</u>

Total Elemental Content by Digestion

		Fly Ash				
Sample ID:		Fac. A		Fac. B		Fac. K
		CFA	AFA	DFA	BFA	KFA
Mercury	ng/g	379	602	114	88	42
Arsenic	µg/g	88	71	90	82	85
Cadmium	µg/g	1.0	1.3	0.7	0.9	1.0
Lead	µg/g	69	81	36	47	93
Selenium	µg/g	21.9	25.6	2.9	2.5	4.8
Cobalt	µg/g	49.1	54.7	21.0	23.5	38.1
Aluminum	µg/g	138,280	127,065	105,917	109,365	123,248
Barium	µg/g	1,361	1,016	1,360	1,461	585
Molybdenum	µg/g	14.5	16.9	10.9	10.7	22.9
Antimony	µg/g	8.2	13.7	2.8	3.6	6.0
Thallium	µg/g	3.2	3.8	4.5	4.7	13.0
Chromium	µg/g	151	152	169	192	124

Total Elemental Content by Digestion

		Scrubber Sludge				
Sample ID:		Fac. A		Fac. B		Fac. K
		CGD	AGD	DGD	BGD	KGD
Mercury	ng/g	432	45	303	613	573
Arsenic	µg/g	3.6	7.3	10.0	22.7	40.9
Cadmium	µg/g	0.3	0.4	0.6	1.5	0.8
Lead	µg/g	2.5	4.8	11.0	13.1	26.1
Selenium	µg/g	2.1	3.0	1.8	2.9	4.2
Cobalt	µg/g	1.0	3.4	1.5	42.3	13.4
Aluminum	µg/g	7,969	12,746	12,729	198,116	40,256
Barium	µg/g	82.2	146.9	76.4	2,426.4	243.1
Molybdenum	µg/g	8.9	18.7	14.2	27.0	25.8
Antimony	µg/g	3.9	9.4	8.8	7.8	13.3
Thallium	µg/g	2.4	3.7	3.5	11.9	4.6
Chromium	µg/g	9.2	12.0	20.6	342.7	49.4

Total Elemental Content by Digestion

		Gyp-U & Gyp-W					
		Fac. N		Fac. O		Fac. P	Fac. Q
Sample ID:		NAU	NAW	OAU	OAW	PAD (U)	QAU
Mercury	ng/g	537.8	53.7	392.0	38.5	9.9	505.8
Arsenic	µg/g	2.3	3.5	1.6	3.8	2.6	1.8
Cadmium	µg/g	0.5	0.4	0.3	0.4	0.3	0.3
Lead	µg/g	2.4	5.5	0.9	11.5	3.3	2.4
Selenium	µg/g	2.8	2.6	2.3	2.3	19.3	28.2
Cobalt	µg/g	2.7	2.6	2.9	3.3	3.5	1.1
Aluminum	µg/g	8,030	9,836	456	11,584	12,653	3,187
Barium	µg/g	57.1	52.8	3.2	51.7	52.8	55.9
Molybdenum	µg/g	4.0	3.7	3.1	4.6	2.4	11.5
Antimony	µg/g	2.4	2.1	1.6	1.9	2.6	5.8
Thallium	µg/g	0.7	0.7	0.6	0.6	0.6	2.3
Chromium	µg/g	9.1	18.0	17.1	8.3	5.7	8.7

Total Elemental Content by Digestion

		FSS	
		Fac. A	
Sample ID:		CCC	ACC
Mercury	ng/g	386.9	513.2
Arsenic	µg/g	71.5	55.7
Cadmium	µg/g	0.7	1.2
Lead	µg/g	54.5	64.3
Selenium	µg/g	22.8	20.1
Cobalt	µg/g	39.6	45.2
Aluminum	µg/g	106,542	114,004
Barium	µg/g	1,065.2	712.8
Molybdenum	µg/g	11.1	14.4
Antimony	µg/g	5.7	9.7
Thallium	µg/g	2.5	3.4
Chromium	µg/g	119.0	129.7

Total Elemental Content by Digestion

		FSSL				
		Fac. B		Fac. K	Fac. M	
Sample ID:		DCC	BCC	KCC	MAD	MAS
Mercury	ng/g	203.2	411.8	1,039.1	229.7	355.4
Arsenic	µg/g	16.3	4.3	3.3	44.1	42.0
Cadmium	µg/g	0.8	0.9	1.0	1.6	1.4
Lead	µg/g	9.7	5.7	3.7	67.9	95.1
Selenium	µg/g	2.0	2.4	3.9	2.0	3.9
Cobalt	µg/g	6.4	2.4	1.7	20.3	22.2
Aluminum	µg/g	35,131	29,359	30,627	46,483	44,919
Barium	µg/g	370.1	100.3	76.6	232.1	262.0
Molybdenum	µg/g	8.6	26.3	31.2	22.1	18.2
Antimony	µg/g	4.7	13.6	16.9	6.0	9.6
Thallium	µg/g	0.8	6.4	7.9	4.2	3.3
Chromium	µg/g	53.2	35.0	39.4	53.9	52.7