Table B-1. CAM-4 Kugaaruk, Summary of 2008 Soil Analysis - Tier II Soil Disposal Facility

Sample Ident.	Sample Location	Depth (m)	Copper Cu (mg/kg)	Nickel Ni (mg/kg)	Cobalt Co (mg/kg)	Cadmium Cd (mg/kg)	Lead Pb (mg/kg)	Zinc Zn (mg/kg)	Chromium Cr (mg/kg)	Arsenic As (mg/kg)	Mercury Hg (mg/kg)	PCB Total Aroclors (mg/kg)	F1 C6-C10 (mg/kg)	F2 C10-C16 (mg/kg)	F3 C16-C34 (mg/kg)	TPH C6-34 (mg/kg)
Upgradient Samples																
BMW-3-15	BMW-3	0.15	13.9	15.7	8.5	<0.50	9.3	44.0	31.8	<5.0	<0.0050	<0.050	<10	<30	<50	0
BMW-3-40	BMW-3	0.40	16.8	17.5	9.0	<0.50	10.9	53.7	35.0	<5.0	0.0086	<0.050	<10	<31	<51	0
BMW-30-40*	BMW-3	0.40	12.0	13.9	7.1	<0.50	8.0	38.3	28.4	<5.0	<0.0050	<0.050	<10	<30	<50	0
MW-14-A-15	MW-14-A	0.15	11.0	13.3	6.2	<0.50	8.0	33.2	28.0	<5.0	<0.0050	<0.050	<10	<30	<50	0
MW-14-A-30	MW-14-A	0.30	12.1	14.2	6.7	<0.50	8.3	35.8	28.1	<5.0	<0.0050	<0.050	<10	<30	<50	0
MW-140-A-30*	MW-14-A	0.30	11.8	13.9	6.1	<0.50	8.0	33.8	27.4	<5.0	<0.0050	<0.050	<10	<30	<50	0
MW-15-15	MW-15	0.15	9.8	9.4	6.5	<0.50	8.0	41.3	17.1	<5.0	<0.0050	<0.050	<10	118	235	353
MW-15-25	MW-15	0.25	11.2	9.3	7.0	<0.50	7.4	43.9	17.9	<5.0	<0.0050	<0.050	<10	119	302	421
MW-16-15	MW-16	0.15	14.2	16.0	7.8	<0.50	8.4	43.1	31.9	<5.0	<0.0050	<0.050	<10	286	133	419
MW-16-40	MW-16	0.40	12.3	15.2	7.8	<0.50	8.0	39.3	29.5	<5.0	<0.0050	<0.050	<10	49	<50	49
Downgradient Samples																
MW-5-10	MW-5	0.10	11.5	9.4	6.6	<0.50	6.6	33.0	18.3	<5.0	<0.0050	<0.050	<10	<30	<50	0
MW-5-25	MW-5	0.25	11.6	9.0	6.3	<0.50	6.8	33.5	19.0	<5.0	0.0051	<0.050	<10	<30	<50	0
MW-8-10	MW-8	0.10	11.9	10.6	6.8	<0.50	7.9	40.5	19.8	<5.0	<0.0050	<0.050	<10	<30	<50	0
MW-8-20	MW-8	0.20	11.9	10.6	6.4	<0.50	13.5	38.6	22.5	<5.0	0.0066	<0.050	<10	296	121	417
MW-9-15	MW-9	0.15	10.3	8.9	6.4	<0.50	11.6	35.6	18.1	<5.0	0.0070	<0.050	<10	<30	69	69
MW-9-25	MW-9	0.25	10.4	7.9	6.2	<0.50	9.7	35.6	16.6	<5.0	0.0056	<0.050	<10	<30	<50	0

***** *Denotes duplicate sample. (Further information located in Table 2 of main report)*

Note: mg/kg = ug/g

TPH is represented as the total of F1, F2 and F3 as defined by CCME Tier I Method - Rev. 5 Analysis of Petroleum Hydrocarbons in Soil

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Table B-2. CAM-4 Kugaaruk, Summary of 2008 Groundwater Analysis - Tier II Soil Disposal Facility

Sample Identification	Location	Groundwater Elevation (masl)	Copper Cu (mg/L)	Nickel Ni (mg/L)	Cobalt Co (mg/L)	Cadmium Cd (mg/L)	Lead Pb (mg/L)	Zinc Zn (mg/L)	Chromium Cr (mg/L)	Arsenic As (mg/L)	Mercury Hg (mg/L)	PCB Total Aroclors (mg/L)	F1 C6-C10 (mg/L)	F2 C10-C16 (mg/L)	F3 C16-C34 (mg/L)	TPH C6-34 (mg/L)
Upgradient Samples																
BMW-3	BMW-3	316.84	0.0155	0.0180	0.00817	0.000061	0.0091	0.0513	0.0437	0.00230	<0.000020	<0.0010	<0.10	<0.30	<0.30	0
MW-14A	MW-14A	317.24	0.0146	0.0091	0.00135	0.000067	0.00112	2.41	0.0100	0.00067	<0.000020	<0.0010	<0.10	<0.30	0.33	0.33
MW-15	MW-15	317.76	<0.0020	0.0065	0.00216	<0.000034	<0.0010	0.250	0.0024	0.0020	<0.000020	<0.0010	0.35	5.98	1.65	7.98
MW-150*	MW-15	317.76	<0.0020	0.0063	0.00208	<0.000034	<0.0010	0.239	<0.0030	0.0020	<0.000020	<0.0010	0.33	5.15	1.40	6.88
MW-16	MW-16	312.96	0.0040	0.0120	0.00210	0.000082	0.00056	0.0149	0.0025	0.00076	<0.000020	<0.0010	2.23	76.7	8.01	86.94
Downgradient Samples																
MW-5	MW-5	310.34	0.0043	0.0086	0.00030	0.000039	0.00142	0.0366	0.0051	<0.00050	<0.000020	<0.0010	<0.10	<0.30	0.33	0.33
MW-8	MW-8	310.20	0.0228	0.0268	0.0031	0.000170	<0.0025	0.0391	<0.0050	<0.0025	<0.000020	<0.0010	2.89	8.17	1.84	12.9
MW-9	MW-9	310.14	0.0071	0.0079	<0.0015	<0.000085	<0.0025	0.0382	0.0183	<0.0025	<0.000020	<0.0010	<0.10	0.44	0.63	1.07

** Denotes duplicate sample. (Further information located in Table 2 of main report)*

Note: mg/L = 1000 ug/L

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