

Table E-1. CAM-4 Kugaaruk, Summary of 2008 Soil Analysis - Lower Site Landfil

Sample Ident.	Sample Location	Depth	Copper Cu	Nickel Ni	Cobalt Co	Cadmium Cd	Lead Pb	Zinc Zn	Chromium Cr	Arsenic As	Mercury Hg	PCB Total Aroclors	F1 C6-C10	F2 C10-C16	F3 C16-C34	TPH C6-34
		(m)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Upgradient Samples																
MW-20-15	MW-20	0.15	12.3	9.6	5.9	<0.50	10.6	37.4	18.0	<5.0	<0.0050	<0.050	<10	<30	<50	0
MW-20-35	MW-20	0.35	10.0	8.7	4.7	<0.50	10.8	25.6	16.7	<5.0	<0.0050	<0.050	<10	<30	<50	0
MW-200-35*	MW-20	0.35	10.8	10.3	5.0	<0.50	10.7	26.8	20.8	<5.0	<0.0050	<0.050	<10	<30	<50	0
Downgradient Samples																
MW-17-15	MW-17	0.15	6.6	6.6	3.8	<0.50	5.4	18.2	14.0	<5.0	<0.0050	<0.050	<10	<30	<50	0
MW-17-40	MW-17	0.40	13.9	10.2	5.5	<0.50	8.7	32.0	20.8	<5.0	0.0052	<0.050	<10	<30	<50	0
MW-18-15	MW-18	0.15	9.5	8.0	3.8	<0.50	7.2	31.4	15.8	<5.0	0.0120	<0.050	<10	<30	<50	0
MW-18-30	MW-18	0.30	10.1	8.7	3.8	<0.50	8.9	35.5	17.9	<5.0	0.0085	<0.050	<10	<30	<50	0
MW-19-20	MW-19	0.20	7.4	7.2	3.9	<0.50	6.4	26.5	14.7	<5.0	<0.0050	<0.050	<10	<30	<50	0
MW-19-50	MW-19	0.50	7.1	6.6	3.9	<0.50	7.8	29.0	12.1	<5.0	<0.0050	<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 E-2. CAM-4 Kugaaruk, Summary of 2008 Groundwater Analysis - Lower Site Landfill

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																
MW-20	MW-20	133.69	0.0029	<0.0010	<0.00030	0.000024	<0.00050	<0.0050	<0.0010	<0.00050	<0.000020	<0.0010	0.75	1.99	<0.30	2.74
MW-200*	MW-20	133.69	0.0035	<0.0010	<0.00030	0.000028	<0.00050	<0.0050	<0.0010	<0.00050	<0.000020	<0.0010	0.74	2.33	<0.30	3.07
Downgradient Samples																
MW-17	MW-17	119.66	0.0069	0.0024	0.00285	0.000056	<0.00050	<0.0050	0.0014	0.00062	<0.000020	<0.0010	<0.10	<0.30	0.33	0.33
MW-18	MW-18	125.44	0.0023	0.0014	<0.00030	0.000025	<0.00050	0.0081	<0.0010	<0.00050	<0.000020	<0.0010	<0.10	<0.30	<0.30	0
MW-19	MW-19	128.87	0.0033	0.0041	0.00199	0.000210	<0.00050	0.0856	0.0014	<0.00050	<0.000020	<0.0010	<0.10	<0.30	0.32	0.32

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

Note: mg/L = 1000 ug/L

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