

Résultats d'analyses des sols - Secteur de la promenade des Outaouais

Parameters	CCME Criteria (1)	MOE Criteria (2)	MW-02-115			MW-02-118			BH-02-113				BH-02-114			BH-02-116	
			SS2	SS4	SS8	SS2	SS10	SS14	SS2	SS5	SS5	SS7	SS1	SS3	SSA	SS2	SS3
			0.61-1.7	1.52-2.19	3.66-4.11	0.61-1.07	4.57-5.18	6.71-7.16	0.91-1.52	2.74-3.12	2.74-3.12	3.81-4.42	0.30-0.61	1.22-1.83		0.61-1.22	1.22-1.83
pH																	
Electric Conductivity																	
Metals	Antimony	13	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	2.9	-	12.4	2.6	< 0.2	-	< 0.2	< 0.2	
	Arsenic	20	1.3	6.1	2.4	0.2	3.0	1.9	6.3	-	1.9	2.0	0.6	-	1.3	0.4	
	Barium	750	590	563	405	33	76	41	115	-	47	46	25	-	43	24	
	Beryllium	1.2	0.4	0.3	< 0.2	0.3	< 0.2	0.2	0.3	-	< 0.2	< 0.2	< 0.2	-	0.2	< 0.2	
	Cadmium	10	12	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	1.0	-	< 0.5	< 0.5	< 0.5	-	< 0.5	< 0.5	
	Chromium	64	750	23	8	5	10	5	9	17	-	5	8	7	8	7	
	Chromium (6+)	0.4	8	< 1	< 1	< 1	< 1	< 1	< 1	< 1	-	< 1	< 1	< 1	< 1	< 1	
	Cobalt	40	7	5	2	5	< 2	3	5	-	3	3	3	-	4	4	
	Copper	63	225	26	9	8	15	8	9	145	-	23	23	8	10	8	
	Lead	140	200	48	26	8	13	10	< 5	316	-	131	80	< 5	6	< 5	
	Mercury	6.6	10	0.02	0.06	0.02	< 0.01	0.02	0.01	0.30	-	0.02	0.03	< 0.01	0.01	< 0.01	
	Molybdenum	40	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	-	< 3	< 3	< 3	< 3	< 3	
	Nickel	50	150	16	11	6	10	5	7	75	-	10	6	4	7	6	
	Selenium	10	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.2	-	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	
	Silver	20	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	-	< 1.0	< 1.0	< 1	< 1	< 1	
	Vanadium	130	200	26	11	7	17	6	11	21	-	8	14	14	17	17	
	Zinc	200	600	69	20	11	32	19	25	207	-	100	66	12	18	13	
	Boron (HWS)	1.5	0.3	0.4	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	-	0.3	0.2	< 0.2	< 0.2	< 0.2	
	BTEX	Benzene	0.5	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	-	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
		Toluene	0.8	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	-	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Ethylbenzene		1.2	0.4	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	-	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	
m-&p-Xylenes		1	34	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	-	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	
o-Xylene		1	34	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	-	< 0.02	0.04	< 0.02	< 0.02	< 0.02	< 0.02	
PH	CCME F1(C6-C10)	260	< 10	< 10	< 10	< 10	< 10	< 10	< 10	-	< 10	< 10	< 10	< 10	< 10	< 10	
	CCMEF2(C10-C16)	900	< 10	< 10	< 10	< 10	< 10	< 10	20	-	3100	370	< 10	< 10	< 10	< 10	
	CCMEF3(C16-C34)	800	< 10	120	38	< 10	< 10	< 10	2500	-	11000	3900	< 10	< 10	< 10	120	
	CCMEF4(C34-C50)	5600	< 10	19	< 10	< 10	< 10	< 10	1600	-	28000	12000	190	< 10	< 10	620	
TPH	TPH-Heavy Oils	1000	100	180	110	< 100	< 100	< 100	4500	-	52000	21000	740	410	< 100	2700	
	TPH-Gas+Diesel	1000	46	17	< 10	< 10	< 10	< 10	1100	-	7100	2600	< 10	< 10	< 10	44	
	TPH-Gas	1000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	-	< 10	< 10	< 10	< 10	< 10	< 10	
	TPH-Diesel	1000	< 10	46	17	< 10	< 10	< 10	1100	-	7100	2600	< 10	< 10	< 10	44	
PAHs	Naphthalene	0.6	40	0.05	0.05	nd	nd	nd	nd	nd	0.07	12	-	0.05 nd	-	nd	
	2-Methylnaphthalene	280	0.05	0.05	nd	nd	nd	nd	*0.35	nd	0.33	3.9	-	0.05 nd	-	nd	
	1-Methylnaphthalene	280	nd	nd	nd	nd	nd	nd	nd	*5	0.32	7.37	-	0.05 nd	-	nd	
	Acenaphthylene	100	0.12	nd	nd	nd	nd	nd	nd	nd	0.62	-	-	0.05 nd	-	nd	
	Acenaphthene	1000	0.13	nd	nd	nd	nd	nd	nd	nd	0.06	6.02	-	0.05 nd	-	nd	
	Fluorene	350	0.18	nd	nd	nd	nd	nd	nd	nd	0.13	4.77	-	0.05 0.05	-	nd	
	Phenanthrene	40	1.51	nd	nd	nd	nd	nd	0.76	nd	0.31	9.38	-	0.05 0.48	-	0.08	
	Anthracene	28	0.48	nd	nd	nd	nd	nd	nd	nd	0.09	2.51	-	0.05 0.11	-	nd	
	Fluoranthene	40	2.26	nd	nd	nd	nd	nd	1.41	nd	0.38	5.27	-	0.05 0.83	-	0.18	
	Pyrene	250	1.92	nd	nd	nd	nd	nd	1.25	nd	0.38	3.87	-	0.05 0.68	-	0.18	
	Benzo(a)anthracene	40	0.02	nd	nd	nd	nd	nd	0.63	nd	0.17	2.19	-	0.05 0.33	-	0.08	
	Chrysene	12	0.98	nd	nd	nd	nd	nd	0.8	nd	0.2	2.49	-	0.05 0.31	-	0.10	
	Benzo(b)fluoranthene	12	1.18	nd	nd	nd	nd	nd	1.08	nd	0.2	2.21	-	0.05 0.46	-	0.13	
	Benzo(k)fluoranthene	12	0.48	nd	nd	nd	nd	nd	*0.33	nd	0.05	0.86	-	0.05 0.16	-	nd	
	Benzo(a)pyrene	0.7	1.2	nd	nd	nd	nd	nd	0.67	nd	0.15	1.7	-	0.05 0.35	-	0.09	
	Indeno(1,2,3-cd)pyrene	12	0.61	nd	nd	nd	nd	nd	*0.38	nd	0.09	0.59	-	0.05 0.20	-	0.05	
	Dibenz(a,h)anthracene	1.2	0.16	nd	nd	nd	nd	nd	nd	nd	nd	nd	-	0.05 0.05	-	nd	
	Benzo(ghi)perylene	40	0.53	nd	nd	nd	nd	nd	*0.45	nd	0.11	0.66	-	0.05 0.16	-	nd	
	Phenolic compounds	Phenol	40	-	-	-	-	-	-	-	nd	-	-	-	-	-	-
		2-Chlorophenol	10	-	-	-	-	-	-	-	nd	-	-	-	-	-	-
o-Cresol		-	-	-	-	-	-	-	-	nd	-	-	-	-	-	-	
m-Cresol & p-Cresol		-	-	-	-	-	-	-	-	nd	-	-	-	-	-	-	
2-Nitrophenol		-	-	-	-	-	-	-	-	nd	-	-	-	-	-	-	
2,4-Dimethylphenol		140	-	-	-	-	-	-	-	nd	-	-	-	-	-	-	
2,4-dichlorophenol		10	-	-	-	-	-	-	-	nd	-	-	-	-	-	-	
4-Chloro-3-Methylphenol		-	-	-	-	-	-	-	-	nd	-	-	-	-	-	-	
2,4,6-Trichlorophenol		10	-	-	-	-	-	-	-	nd	-	-	-	-	-	-	
2,4,5-Trichlorophenol		10	-	-	-	-	-	-	-	nd	-	-	-	-	-	-	
2,4-Dinitrophenol		4.1	-	-	-	-	-	-	-	nd	-	-	-	-	-	-	
4-Nitrophenol		-	-	-	-	-	-	-	-	nd	-	-	-	-	-	-	
2,3,5,6-Tetrachlorophenol		-	-	-	-	-	-	-	-	nd	-	-	-	-	-	-	
2,3,4,5-Tetrachlorophenol & 2,3,4,6-Tetrachlorophenol		-	-	-	-	-	-	-	-	nd	-	-	-	-	-	-	
2-Methyl-4,6-Dinitrophenol		-	-	-	-	-	-	-	-	nd	-	-	-	-	-	-	
Pentachlorophenol	7.6	5	-	-	-	-	-	-	nd	-	-	-	-	-	-		

Notes:
 45 Exceeding CCME Criteria
 56 Exceeding MOE criteria
 - Not analysed
 - No criteria for this parameter

(1) CCME Soil criteria for residential/parkland land use
 (2) MOE Table B Surface soil and groundwater criteria for residential/parkland land use for a non potable groundwater condition (course textured soil with pH between 5.0 and 11.0)

