

APPENDIX C.5
CANADIAN WATER QUALITY GUIDELINES

Water Contamination Indicators			GCDWG
Parameter	MDL	Units	
METALS			
Arsenic	0.001	mg/L	0.05
Selenium	0.005	mg/L	0.01
Mercury	0.05	ug/L	0.001
Barium	0.01	mg/L	1
Beryllium	0.01	mg/L	-
Cadmium	0.01	mg/L	0.005
Chromium	0.01	mg/L	0.05
Lead	0.1	mg/L	0.05
Nickel	0.05	mg/L	-
Silver	0.05	mg/L	-
TPH	5	ug/L	-
PCB	0.05	ug/L	-
PESTICIDES			
			Total = 0.1
Aldrin	10	ug/L	0.0007
a-BHC	10	ug/L	-
b-BHC	10	ug/L	-
g-BHC (Lindane)	10	ug/L	0.004
d-BHC	10	ug/L	-
Chlorodane	100	ug/L	0.007
p,p'-DDD	10	ug/L	-
p,p'-DDE	10	ug/L	-
p,p'-DDT	10	ug/L	0.03
Dieldrin	10	ug/L	0.0007
a-Endosulfan	10	ug/L	-
b-Endosulfan	10	ug/L	-
Endosulfan Sulfate	10	ug/L	-
Endrin	10	ug/L	-
Endrin Aldehyde	10	ug/L	-
Heptachlor	10	ug/L	0.003
Heptachlor Epoxide	10	ug/L	0.003
Toxaphene	300	ug/L	-
VOLATILES			
Cl-Methane	2.2	ug/L	-
Vinyl Chloride	2.9	ug/L	-
Br-Methane	2.4	ug/L	-
Cl-Ethane	2.5	ug/L	-
Cl3F3-Methane	0.3	ug/L	-
1,1-Cl2-Ethylene	0.36	ug/L	-
Methylene Chloride	0.33	ug/L	-
trans 1,2-Cl2-Ethylene	0.42	ug/L	-
1,1 Cl2-Ethane	0.51	ug/L	-
Chloroform	0.36	ug/L	-
1,1,1-Cl3-Ethane	0.75	ug/L	-
1,2 Cl2-Ethane	0.39	ug/L	-
Carbon Tetrachloride	0.3	ug/L	0.005
Benzene	0.2	ug/L	0.005
1,2-Cl2-Propane	0.54	ug/L	-
Cl3-Ethylene	0.3	ug/L	-
BrCl2-Methane	0.4	ug/L	-
2-Cl-Ethylvinyl ether	2.0	ug/L	-
cis-1,2-Cl2-Propylene	0.69	ug/L	-
Toluene	0.4	ug/L	<0.024
trans-1,2-Cl2-Propylene	1.1	ug/L	-
1,1,2-Cl3-Ethane	0.57	ug/L	-
ClBr2-Methane	0.42	ug/L	-
C14-Ethylene	0.15	ug/L	-
Cl-Benzene	0.6	ug/L	-
Ethyl Benzene	0.4	ug/L	<0.0024
Bromoform	0.33	ug/L	-
1,1,2,2-Cl4-ethane	0.36	ug/L	-
d4-1,2-Dichloroethane	%		-
d8-Toluene	%		-
Bromofluorobenzene	%		-

Parameter	MDL	Units	GCDWG
ACID EXT			
*N-Nitrosodimethylamine			
phenol	0.1	ug/L	-
Bis(2-chloroethyl)ether	0.8	ug/L	-
2-Chlorophenol	0.7	ug/L	-
1,3-Dichlorobenzene	2	ug/L	-
1,4-Dichlorobenzene	2	ug/L	0.005
1,2-Dichlorobenzene	2	ug/L	0.2
Bis(2-chloroisopropyl)ether	0.5	ug/L	-
Hexachloroethane	2	ug/L	-
N-Nitroso-N-Propylamine	0.1	ug/L	-
Nitrobenzene	2	ug/L	-
Isophrone	4	ug/L	-
2-Nitrophenol	0.4	ug/L	-
2,4-Dimethylphenol	0.7	ug/L	-
Bis(2-chloroethoxy)methane	0.3	ug/L	-
2,4-Dichlorophenol	0.2	ug/L	0.9
1,2,4-Trichlorobenzene	2	ug/L	-
Naphthalene	0.3	ug/L	-
Hexachlorobutadiene	2	ug/L	-
4-Chloro-3-Methylphenol	0.4	ug/L	-
Hexachlorocyclopentadiene	2	ug/L	-
2,4,6-Trichlorophenol	0.2	ug/L	0.005
BASE/NEUTRAL			
2-Chloronaphthalene	0.9	ug/L	-
Acenaphthylene	0.4	ug/L	-
Dimethyl phthalate	0.1	ug/L	-
2,6-Dinitrotoluene	0.6	ug/L	-
Acenaphthene	0.7	ug/L	-
2,4-Dinitrophenol	0.8	ug/L	-
2,4-Dinitrotoluene	0.5	ug/L	-
4-Nitrophenol	0.4	ug/L	-
Fluorene	0.3	ug/L	-
4-Chlorophenylphenylether	0.9	ug/L	-
Diethyl phthalate	0.1	ug/L	-
4,6-Dinitro-2-methylphenol	0.5	ug/L	-
N-Nitrosodiphenylamine	0.9	ug/L	-
4-Bromophenylphenylether	0.3	ug/L	-
Hexachlorobenzene	0	ug/L	-
Pentachlorophenol	0.1	ug/L	0.06
Phenanthrene	0.3	ug/L	-
Anthracene	0.2	ug/L	-
Di-n-butyl phthalate	0.1	ug/L	-
*Benzidine			
Fluoranthene	0.2	ug/L	-
Pyrene	0.3	ug/L	-
Benzyl butyl phthalate	0.6	ug/L	-
*3,3'-Dichlorobenzidine			
Benzo(a)Anthracene	0.2	ug/L	-
Chrysene	0.3	ug/L	-
Bis(2-ethylhexyl)phthalate	0.4	ug/L	-
Di-n-octyl phthalate	0.1	ug/L	-
Benzo(b)fluoranthene	0.4	ug/L	-
Benzo(k)fluoranthene	0.4	ug/L	-
Benzo(a)pyrene	0.5	ug/L	-
Ideno(1,2,3-cd)pyrene	0.6	ug/L	-
Dibenzo(a,h)anthracene	0.4	ug/L	-
Benzo(ghi)perylene	0.4	ug/L	-
d5-Phenol	%		-
d5-Nitrobenzene	%		-
2-Fluorobiphenyl	%		-
2,4,6-Tribromophenol	%		-
d-14-p-Terphenyl	%		-

GCDWG = Guidelines for Canadian Drinking Water Quality