

Table 1-2
Groundwater Standards for
Pesticides and PCBs
 2019 BNL Groundwater Status Report

CHEMICAL CONSTITUENT	CAS #	NYS AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES µg/L (a)	FEDERAL DRINKING WATER STANDARDS (b) µg/L
PESTICIDES & PCBs			
4,4'-DDD	72-54-8	0.3	-
4,4'-DDE	72-55-9	0.2	-
4,4'-DDT	50-29-3	0.2	-
Aldrin	309-00-2	ND	-
alpha-BHC	319-84-6	0.01	-
alpha-Chlordane	5103-71-9	0.09 (c)	2
Aroclor-1016	12674-11-2	0.09 (c)	-
Aroclor-1221	11104-28-2	0.09 (c)	-
Aroclor-1232	11141-16-5	0.09 (c)	-
Aroclor-1242	53469-21-9	0.09 (c)	-
Aroclor-1248	12672-29-6	0.09 (c)	-
Aroclor-1254	11097-69-1	0.09 (c)	-
Aroclor-1260	11096-82-5	0.09 (c)	-
beta-BHC	319-85-7	0.04	-
delta-BHC	319-86-8	0.04	-
Dieldrin	60-57-1	0.004	-
Endosulfan I	959-98-8	-	-
Endosulfan II	33213-65-9	-	-
Endosulfan sulphate	1031-07-8	-	-
Endrin	72-20-8	ND	2
Endrin aldehyde	7421-93-4	5	-
Endrin ketone	53494-70-5	5	-
gamma-BHC (Lindane)	58-89-9	0.05	0.2
gamma-Chlordane	5103-74-2	-	2
Heptachlor	76-44-8	0.04	0.4
Heptachlor Epoxide	1024-57-3	0.03	0.2
Methoxychlor	72-43-5	35	40
Toxaphene	8001-35-2	0.06	-
PCB (total)	-	0.09	0.5

Notes:

- No standard available

ND Non-detectable

(a) NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.

(b) USEPA February 1996, Drinking Water Regulations and Health Advisories. Note that the information under MCL was converted from mg/l to µg/L in order to maintain uniform units for this table.

(c) Standard listed applies to the sum of these substances.

PCBs = Polychlorinated Biphenyls

NYSDEC = New York State Department of Environmental Conservation

µg/L = micrograms per liter (ppb)

mg/L = milligrams per liter (ppm)

MCL = Maximum Contaminant Level

USEPA = United States Environmental Protection Agency