

**Table 1-2**  
**Groundwater Standards for**  
**Pesticides and PCBs**  
 2015 BNL Groundwater Status Report

| CHEMICAL<br>CONSTITUENT      | CAS #      | NYS AMBIENT WATER<br>QUALITY STANDARDS<br>AND GUIDANCE VALUES<br>µg/L (a) | FEDERAL DRINKING<br>WATER STANDARDS (b)<br>µg/L |
|------------------------------|------------|---------------------------------------------------------------------------|-------------------------------------------------|
| <b>PESTICIDES &amp; PCBs</b> |            |                                                                           |                                                 |
| 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