

Surface Water Quality Standards



| Acenaphthene | | 83-32-9 | | |
|-------------------------|--------------------|------------------|-----------------------------------------------|-------------------------------------------------|
| Fresh Water- | human health (ppb) | 670(h) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 990(h) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Acrolein | | 107-02-8 | | |
| Fresh Water- | human health (ppb) | 6.1(h) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 9.3(h) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Acrylonitrile | | 107-13-1 | | |
| Fresh Water- | human health (ppb) | 0.051(hc) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 0.25(hc) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Aldrin | | 309-00-2 | | |
| Fresh Water- | human health (ppb) | 0.000049(hc) | aquatic-acute (ppb) 3 | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 0.000050(hc) | aquatic-acute (ppb) 1.3 | aquatic-chronic (ppb) |
| Ammonia | | 7664-41-7 | | |
| Fresh Water- | human health (ppb) | | aquatic-acute (ppb) See N.J.A.C. 7:9B-1.14(e) | aquatic-chronic (ppb) See N.J.A.C. 7:9B-1.14(e) |
| Saline Water- | human health (ppb) | | aquatic-acute (ppb) See N.J.A.C. 7:9B-1.14(e) | aquatic-chronic (ppb) See N.J.A.C. 7:9B-1.14(e) |
| Anthracene | | 120-12-7 | | |
| Fresh Water- | human health (ppb) | 8,300(h) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 40,000(h) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Antimony (Total) | | 7440-36-0 | | |
| Fresh Water- | human health (ppb) | 5.6(h)(T) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 640(h)(T) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Arsenic (Total) | | 7440-38-2 | | |
| Fresh Water- | human health (ppb) | 0.017(hc)(T) | aquatic-acute (ppb) 340(d)(s) | aquatic-chronic (ppb) 150(d)(s) |
| Saline Water- | human health (ppb) | 0.061(hc)(T) | aquatic-acute (ppb) 69(d)(s) | aquatic-chronic (ppb) 36(d)(s) |
| Asbestos | | 1332-21-4 | | |
| Fresh Water- | human health (ppb) | 7x106fibers/L | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Barium | | 7440-39-3 | | |
| Fresh Water- | human health (ppb) | 2,000(h)(T) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | | aquatic-acute (ppb) | aquatic-chronic (ppb) |

| Benzo(a)anthracene | | | 56-55-3 | |
|-------------------------------------------------------|--------------------|--------------|--------------------------|-----------------------|
| Fresh Water- | human health (ppb) | 0.038(hc) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 0.18(hc) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Benzene | | | 71-43-2 | |
| Fresh Water- | human health (ppb) | 0.15(hc) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 3.3(hc) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Benzidine | | | 92-87-5 | |
| Fresh Water- | human health (ppb) | 0.000086(hc) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 0.00020(hc) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Benzo(a)pyrene(BaP) | | | 50-32-8 | |
| Fresh Water- | human health (ppb) | 0.0038(hc) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 0.018(hc) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Benzo(b)fluoranthene (3,4-Benzofluoranthene) | | | 205-99-2 | |
| Fresh Water- | human health (ppb) | 0.038(hc) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 0.18(hc) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Benzo(k)fluoranthene | | | 207-08-9 | |
| Fresh Water- | human health (ppb) | 0.38(hc) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 1.8(hc) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Beryllium | | | 7440-41-7 | |
| Fresh Water- | human health (ppb) | 6.0(h)(T) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 42(h)(T) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| alpha-BHC (alpha-HCH) (benzenhydrochloride) | | | 319-84-6 | |
| Fresh Water- | human health (ppb) | 0.0026(hc) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 0.0049(hc) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| beta-BHC (beta-HCH) | | | 319-85-7 | |
| Fresh Water- | human health (ppb) | 0.0091(hc) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 0.017(hc) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| BHC (gamma-HCH/Lindane) | | | 58-89-9 | |
| Fresh Water- | human health (ppb) | 0.98(h) | aquatic-acute (ppb) 0.95 | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 1.8(h) | aquatic-acute (ppb) 0.16 | aquatic-chronic (ppb) |
| Bis(2-chloroethyl) ether (Dichloroethyl ether) | | | 111-44-4 | |
| Fresh Water- | human health (ppb) | 0.030(hc) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 0.53(hc) | aquatic-acute (ppb) | aquatic-chronic (ppb) |

| Bis(2-chloroisopropyl)ether | | | 108-60-1 | | |
|---------------------------------------------------|--------------------|-------------|------------------------------|--|---------------------------------|
| Fresh Water- | human health (ppb) | 1,400(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 65,000(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Bis(2-ethylhexyl) phthalate (DEHP) | | | 117-81-7 | | |
| Fresh Water- | human health (ppb) | 1.2(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 2.2(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Bromodichloromethane(Dichlorobromomethane) | | | 75-27-4 | | |
| Fresh Water- | human health (ppb) | 0.55(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 17(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Bromoform | | | 75-25-2 | | |
| Fresh Water- | human health (ppb) | 4.3(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 140(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Bromomethane (Methyl bromide) | | | 74-83-9 | | |
| Fresh Water- | human health (ppb) | 47(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 1,500(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Butyl benzyl phthalate | | | 85-68-7 | | |
| Fresh Water- | human health (ppb) | 150(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 190(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Cadmium | | | 7440-43-9 | | |
| Fresh Water- | human health (ppb) | 3.4(h)(T) | aquatic-acute (ppb) (a) | | aquatic-chronic (ppb) (a) |
| Saline Water- | human health (ppb) | 16(h)(T) | aquatic-acute (ppb) 40(d)(s) | | aquatic-chronic (ppb) 8.8(d)(s) |
| Carbon Tetrachloride | | | 56-23-5 | | |
| Fresh Water- | human health (ppb) | 0.33(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 2.3(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Chlordane | | | 57-74-9 | | |
| Fresh Water- | human health (ppb) | 0.00010(hc) | aquatic-acute (ppb) 2.4 | | aquatic-chronic (ppb) 0.0043 |
| Saline Water- | human health (ppb) | 0.00011(hc) | aquatic-acute (ppb) 0.09 | | aquatic-chronic (ppb) 0.004 |
| Chloride | | | 16887-00-6 | | |
| Fresh Water- | human health (ppb) | 250,000(ol) | aquatic-acute (ppb) 860,000 | | aquatic-chronic (ppb) 230,000 |
| Saline Water- | human health (ppb) | | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Chlorine Produced Oxidants | | | 7782-50-5 | | |
| Fresh Water- | human health (ppb) | | aquatic-acute (ppb) 19 | | aquatic-chronic (ppb) 11 |
| Saline Water- | human health (ppb) | | aquatic-acute (ppb) 13 | | aquatic-chronic (ppb) 7.5 |

| Chlorobenzene | | | 108-90-7 | | | |
|-----------------------------------------------|--------------------|-------------|---------------------|-------------|-----------------------|-----------|
| Fresh Water- | human health (ppb) | 210(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Saline Water- | human health (ppb) | 2,500(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Chloroform | | | 67-66-3 | | | |
| Fresh Water- | human health (ppb) | 68(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Saline Water- | human health (ppb) | 2,100(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| 2-Chloronaphthalene | | | 91-58-7 | | | |
| Fresh Water- | human health (ppb) | 1,000(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Saline Water- | human health (ppb) | 1,600(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| 2-Chlorophenol | | | 95-57-8 | | | |
| Fresh Water- | human health (ppb) | 81(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Saline Water- | human health (ppb) | 150(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Chlorpyrifos | | | 2921-88-2 | | | |
| Fresh Water- | human health (ppb) | | aquatic-acute (ppb) | 0.083 | aquatic-chronic (ppb) | 0.041 |
| Saline Water- | human health (ppb) | | aquatic-acute (ppb) | 0.011 | aquatic-chronic (ppb) | 0.0056 |
| Chromium (III) | | | 16065-83-1 | | | |
| Fresh Water- | human health (ppb) | | aquatic-acute (ppb) | (a) | aquatic-chronic (ppb) | (a) |
| Saline Water- | human health (ppb) | | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Chromium (Total) | | | 7440-47-3 | | | |
| Fresh Water- | human health (ppb) | 92(h)(T) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Saline Water- | human health (ppb) | 750(h)(T) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Chromium (VI) (soils = inhalation/dermatitis) | | | 18540-29-9 | | | |
| Fresh Water- | human health (ppb) | | aquatic-acute (ppb) | 15(d)(s) | aquatic-chronic (ppb) | 10(d)(s) |
| Saline Water- | human health (ppb) | | aquatic-acute (ppb) | 1,100(d)(s) | aquatic-chronic (ppb) | 50(d)(s) |
| Chrysene | | | 218-01-9 | | | |
| Fresh Water- | human health (ppb) | 3.8(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Saline Water- | human health (ppb) | 18(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Copper | | | 7440-50-8 | | | |
| Fresh Water- | human health (ppb) | 1,300(h)(T) | aquatic-acute (ppb) | (a) | aquatic-chronic (ppb) | (a) |
| Saline Water- | human health (ppb) | | aquatic-acute (ppb) | 4.8(d)(s) | aquatic-chronic (ppb) | 3.1(d)(s) |
| Copper - Site specific | | | 7440-50-8-site | | | |
| Fresh Water- | human health (ppb) | | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Saline Water- | human health (ppb) | | aquatic-acute (ppb) | 7.9 | aquatic-chronic (ppb) | 5.6 |

Waterbodies- Newark Bay, Raritan Bay, Arthur Kill, Kill Van Kull, saline portions of the Passaic, Hackensack, and Hudson Rivers and saline portions of tributaries to all of these waters.

| Cyanide (free cyanide) | | | 57-12-5 | | | |
|----------------------------------------------------|--------------------|-------------|---------------------|---------|-----------------------|---------|
| Fresh Water- | human health (ppb) | 2.7(fc) | aquatic-acute (ppb) | 22(fc) | aquatic-chronic (ppb) | 5.2(fc) |
| Saline Water- | human health (ppb) | 140(h) | aquatic-acute (ppb) | 2.7(fc) | aquatic-chronic (ppb) | 1.0(fc) |
| 4,4'-DDD (p,p'-TDE) | | | 72-54-8 | | | |
| Fresh Water- | human health (ppb) | 0.00031(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Saline Water- | human health (ppb) | 0.00031(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| 4,4'-DDE | | | 72-55-9 | | | |
| Fresh Water- | human health (ppb) | 0.00022(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Saline Water- | human health (ppb) | 0.00022(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| 4,4'-DDT | | | 50-29-3 | | | |
| Fresh Water- | human health (ppb) | 0.00022(hc) | aquatic-acute (ppb) | 1.1 | aquatic-chronic (ppb) | 0.0010 |
| Saline Water- | human health (ppb) | 0.00022(hc) | aquatic-acute (ppb) | 0.13 | aquatic-chronic (ppb) | 0.0010 |
| Demeton | | | 8065-48-3 | | | |
| Fresh Water- | human health (ppb) | | aquatic-acute (ppb) | | aquatic-chronic (ppb) | 0.1 |
| Saline Water- | human health (ppb) | | aquatic-acute (ppb) | | aquatic-chronic (ppb) | 0.1 |
| Dibenz(a,h)anthracene | | | 53-70-3 | | | |
| Fresh Water- | human health (ppb) | 0.0038(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Saline Water- | human health (ppb) | 0.018(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Dibromochloromethane (Chlorodibromomethane) | | | 124-48-1 | | | |
| Fresh Water- | human health (ppb) | 0.40(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Saline Water- | human health (ppb) | 13(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| 1,3-Dichlorobenzene (meta) | | | 541-73-1 | | | |
| Fresh Water- | human health (ppb) | 2,200(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Saline Water- | human health (ppb) | 8,300(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| 1,2-Dichlorobenzene (ortho) | | | 95-50-1 | | | |
| Fresh Water- | human health (ppb) | 2,000(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Saline Water- | human health (ppb) | 6,200(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| 1,4-Dichlorobenzene (para) | | | 106-46-7 | | | |
| Fresh Water- | human health (ppb) | 550(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Saline Water- | human health (ppb) | 2,200(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| 3,3'-Dichlorobenzidine | | | 91-94-1 | | | |
| Fresh Water- | human health (ppb) | 0.021(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Saline Water- | human health (ppb) | 0.028(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |

| 1,2-Dichloroethane | | | 107-06-2 | | |
|---------------------------------------------------|--------------------|--------------|---------------------|------|------------------------------|
| Fresh Water- | human health (ppb) | 0.29(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 28(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| 1,1-Dichloroethylene (1,1-DCE) | | | 75-35-4 | | |
| Fresh Water- | human health (ppb) | 4.7(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 100(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| trans-1,2-Dichloroethylene | | | 156-60-5 | | |
| Fresh Water- | human health (ppb) | 590(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 43,000(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| 2,4-Dichlorophenol | | | 120-83-2 | | |
| Fresh Water- | human health (ppb) | 77(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 290(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| 1,2-Dichloropropane | | | 78-87-5 | | |
| Fresh Water- | human health (ppb) | 0.50(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 15(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| 1,3-Dichloropropene(cis and trans) | | | 542-75-6 | | |
| Fresh Water- | human health (ppb) | 0.34(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 21(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Dieldrin | | | 60-57-1 | | |
| Fresh Water- | human health (ppb) | 0.000052(hc) | aquatic-acute (ppb) | 0.24 | aquatic-chronic (ppb) 0.056 |
| Saline Water- | human health (ppb) | 0.000054(hc) | aquatic-acute (ppb) | 0.71 | aquatic-chronic (ppb) 0.0019 |
| Diethyl phthalate | | | 84-66-2 | | |
| Fresh Water- | human health (ppb) | 17,000(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 44,000(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| 2,4-Dimethyl phenol | | | 105-67-9 | | |
| Fresh Water- | human health (ppb) | 380(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 850(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Di-n-butyl phthalate | | | 84-74-2 | | |
| Fresh Water- | human health (ppb) | 2,000(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 4,500(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| 4,6-Dinitro-O-Cresol (2-Methyl-4,6-Dinitrophenol) | | | 534-52-1 | | |
| Fresh Water- | human health (ppb) | 13(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 280(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |

| 2,4-Dinitrophenol | | | 51-28-5 | | |
|-----------------------------|--------------------|-----------|---------------------|-------|------------------------------|
| Fresh Water- | human health (ppb) | 69(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 5,300(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| 2,4-Dinitrotoluene | | | 121-14-2 | | |
| Fresh Water- | human health (ppb) | 0.11(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 3.4(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| 1,2-Diphenylhydrazine | | | 122-66-7 | | |
| Fresh Water- | human health (ppb) | 0.036(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 0.20(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Endosulfan (alpha and beta) | | | 115-29-7 | | |
| Fresh Water- | human health (ppb) | 62(h) | aquatic-acute (ppb) | 0.22 | aquatic-chronic (ppb) 0.056 |
| Saline Water- | human health (ppb) | 89(h) | aquatic-acute (ppb) | 0.034 | aquatic-chronic (ppb) 0.0087 |
| Endosulfan Sulfate | | | 1031-07-8 | | |
| Fresh Water- | human health (ppb) | 62(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 89(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Endrin | | | 72-20-8 | | |
| Fresh Water- | human health (ppb) | 0.059(h) | aquatic-acute (ppb) | 0.086 | aquatic-chronic (ppb) 0.036 |
| Saline Water- | human health (ppb) | 0.060(h) | aquatic-acute (ppb) | 0.037 | aquatic-chronic (ppb) 0.0023 |
| Endrin Aldehyde | | | 7421-93-4 | | |
| Fresh Water- | human health (ppb) | 0.059(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 0.060(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Ethylbenzene | | | 100-41-4 | | |
| Fresh Water- | human health (ppb) | 530(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 2,100(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Fluoranthene | | | 206-44-0 | | |
| Fresh Water- | human health (ppb) | 130(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 140(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Fluorene | | | 86-73-7 | | |
| Fresh Water- | human health (ppb) | 1,100(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 5,300(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Guthion | | | 86-50-0 | | |
| Fresh Water- | human health (ppb) | | aquatic-acute (ppb) | | aquatic-chronic (ppb) 0.01 |
| Saline Water- | human health (ppb) | | aquatic-acute (ppb) | | aquatic-chronic (ppb) 0.01 |

| Heptachlor | | | 76-44-8 | | | |
|---------------------------|--------------------|--------------|---------------------|-----------|-----------------------|-----------|
| Fresh Water- | human health (ppb) | 0.000079(hc) | aquatic-acute (ppb) | 0.52 | aquatic-chronic (ppb) | 0.0038 |
| Saline Water- | human health (ppb) | 0.000079(hc) | aquatic-acute (ppb) | 0.053 | aquatic-chronic (ppb) | 0.0036 |
| Heptachlor epoxide | | | 1024-57-3 | | | |
| Fresh Water- | human health (ppb) | 0.000039(hc) | aquatic-acute (ppb) | 0.52 | aquatic-chronic (ppb) | 0.0038 |
| Saline Water- | human health (ppb) | 0.000039(hc) | aquatic-acute (ppb) | 0.053 | aquatic-chronic (ppb) | 0.0036 |
| Hexachlorobenzene | | | 118-74-1 | | | |
| Fresh Water- | human health (ppb) | 0.00028(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Saline Water- | human health (ppb) | 0.00029(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Hexachlorobutadiene | | | 87-68-3 | | | |
| Fresh Water- | human health (ppb) | 0.44(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Saline Water- | human health (ppb) | 18(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Hexachlorocyclopentadiene | | | 77-47-4 | | | |
| Fresh Water- | human health (ppb) | 40(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Saline Water- | human health (ppb) | 1,100(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Hexachloroethane | | | 67-72-1 | | | |
| Fresh Water- | human health (ppb) | 1.4(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Saline Water- | human health (ppb) | 3.3(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Hydrogen sulfide | | | 7783-06-4 | | | |
| Fresh Water- | human health (ppb) | | aquatic-acute (ppb) | | aquatic-chronic (ppb) | 2 |
| Saline Water- | human health (ppb) | | aquatic-acute (ppb) | | aquatic-chronic (ppb) | 2 |
| Indeno (1,2,3-cd)pyrene | | | 193-39-5 | | | |
| Fresh Water- | human health (ppb) | 0.038(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Saline Water- | human health (ppb) | 0.18(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Isophorone | | | 78-59-1 | | | |
| Fresh Water- | human health (ppb) | 35(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Saline Water- | human health (ppb) | 960(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Lead (Total) | | | 7439-92-1 | | | |
| Fresh Water- | human health (ppb) | 5.0(h)(T) | aquatic-acute (ppb) | 38(d)(s) | aquatic-chronic (ppb) | 5.4(d)(s) |
| Saline Water- | human health (ppb) | | aquatic-acute (ppb) | 210(d)(s) | aquatic-chronic (ppb) | 24(d)(s) |
| Malathion | | | 121-75-5 | | | |
| Fresh Water- | human health (ppb) | | aquatic-acute (ppb) | | aquatic-chronic (ppb) | 0.1 |
| Saline Water- | human health (ppb) | | aquatic-acute (ppb) | | aquatic-chronic (ppb) | 0.1 |

| Manganese | | 7439-96-5 | | | | |
|---------------------------------------|--------------------|-------------|---------------------|-----------------------|-----------------------|------------|
| Fresh Water- | human health (ppb) | | aquatic-acute (ppb) | aquatic-chronic (ppb) | | |
| Saline Water- | human health (ppb) | 100(h)(T) | aquatic-acute (ppb) | aquatic-chronic (ppb) | | |
| Mercury (Total) | | 7439-97-6 | | | | |
| Fresh Water- | human health (ppb) | 0.050(h)(T) | aquatic-acute (ppb) | 1.4(d)(s) | aquatic-chronic (ppb) | 0.77(d)(s) |
| Saline Water- | human health (ppb) | 0.051(h)(T) | aquatic-acute (ppb) | 1.8(d)(s) | aquatic-chronic (ppb) | 0.94(d)(s) |
| Methoxychlor | | 72-43-5 | | | | |
| Fresh Water- | human health (ppb) | 40(h) | aquatic-acute (ppb) | aquatic-chronic (ppb) | 0.03 | |
| Saline Water- | human health (ppb) | | aquatic-acute (ppb) | aquatic-chronic (ppb) | 0.03 | |
| Methyl tert butyl ether (MTBE) | | 1634-04-4 | | | | |
| Fresh Water- | human health (ppb) | 70(h) | aquatic-acute (ppb) | aquatic-chronic (ppb) | | |
| Saline Water- | human health (ppb) | | aquatic-acute (ppb) | aquatic-chronic (ppb) | | |
| Methylene chloride | | 75-09-2 | | | | |
| Fresh Water- | human health (ppb) | 2.5(hc) | aquatic-acute (ppb) | aquatic-chronic (ppb) | | |
| Saline Water- | human health (ppb) | 310(hc) | aquatic-acute (ppb) | aquatic-chronic (ppb) | | |
| Mirex | | 2385-85-5 | | | | |
| Fresh Water- | human health (ppb) | | aquatic-acute (ppb) | aquatic-chronic (ppb) | 0.001 | |
| Saline Water- | human health (ppb) | | aquatic-acute (ppb) | aquatic-chronic (ppb) | 0.001 | |
| Nickel (Soluble salts) | | 7440-02-0 | | | | |
| Fresh Water- | human health (ppb) | 500(h)(T) | aquatic-acute (ppb) | (a) | aquatic-chronic (ppb) | (a) |
| Saline Water- | human health (ppb) | 1,700(h)(T) | aquatic-acute (ppb) | 64(d)(s) | aquatic-chronic (ppb) | 22(d)(s) |
| Nitrate | | 14797-55-8 | | | | |
| Fresh Water- | human health (ppb) | 10,000(h) | aquatic-acute (ppb) | aquatic-chronic (ppb) | | |
| Saline Water- | human health (ppb) | | aquatic-acute (ppb) | aquatic-chronic (ppb) | | |
| Nitrobenzene | | 98-95-3 | | | | |
| Fresh Water- | human health (ppb) | 17(h) | aquatic-acute (ppb) | aquatic-chronic (ppb) | | |
| Saline Water- | human health (ppb) | 690(h) | aquatic-acute (ppb) | aquatic-chronic (ppb) | | |
| N-Nitrosodiethylamine | | 55-18-5 | | | | |
| Fresh Water- | human health (ppb) | 0.00023(hc) | aquatic-acute (ppb) | aquatic-chronic (ppb) | | |
| Saline Water- | human health (ppb) | 0.13(hc) | aquatic-acute (ppb) | aquatic-chronic (ppb) | | |
| N-Nitrosodimethylamine | | 62-75-9 | | | | |
| Fresh Water- | human health (ppb) | 0.00069(hc) | aquatic-acute (ppb) | aquatic-chronic (ppb) | | |
| Saline Water- | human health (ppb) | 3.0(hc) | aquatic-acute (ppb) | aquatic-chronic (ppb) | | |

| N-Nitrosodi-n-butylamine | | | 924-16-3 | | |
|----------------------------------------------------|--------------------|--------------|---------------------|-------|-----------------------------|
| Fresh Water- | human health (ppb) | 0.0063(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 0.22(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| N-Nitrosodi-n-propylamine (Di-n-propylnitrosamine) | | | 621-64-7 | | |
| Fresh Water- | human health (ppb) | 0.0050(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 0.51(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| N-Nitrosodiphenylamine | | | 86-30-6 | | |
| Fresh Water- | human health (ppb) | 3.3(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 6.0(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| N-Nitrosopyrrolidine | | | 930-55-2 | | |
| Fresh Water- | human health (ppb) | 0.016(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 34(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Parathion | | | 56-38-2 | | |
| Fresh Water- | human health (ppb) | | aquatic-acute (ppb) | 0.065 | aquatic-chronic (ppb) 0.013 |
| Saline Water- | human health (ppb) | | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| PCBs (Polychlorinated biphenyls) | | | 1336-36-3 | | |
| Fresh Water- | human health (ppb) | 0.000064(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) 0.014 |
| Saline Water- | human health (ppb) | 0.000064(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) 0.03 |
| Pentachlorobenzene | | | 608-93-5 | | |
| Fresh Water- | human health (ppb) | 1.4(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 1.5(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Pentachlorophenol | | | 87-86-5 | | |
| Fresh Water- | human health (ppb) | 0.27(hc) | aquatic-acute (ppb) | (b) | aquatic-chronic (ppb) (b) |
| Saline Water- | human health (ppb) | 3.0(hc) | aquatic-acute (ppb) | 13 | aquatic-chronic (ppb) 7.9 |
| Phenol | | | 108-95-2 | | |
| Fresh Water- | human health (ppb) | 10,000(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 860,000(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Phosphorus (yellow) | | | 7723-14-0 | | |
| Fresh Water- | human health (ppb) | | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | | aquatic-acute (ppb) | | aquatic-chronic (ppb) 0.1 |
| Pyrene | | | 129-00-0 | | |
| Fresh Water- | human health (ppb) | 830(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 4,000(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) |

| Selenium (Total) | | | 7782-49-2 | | | |
|---------------------------------------------------|--------------------|-----------------|----------------------------|-----------|------------------------------|----------|
| Fresh Water- | human health (ppb) | 170(h)(T) | aquatic-acute (ppb) | 20(s) | aquatic-chronic (ppb) | 5.0(s) |
| Saline Water- | human health (ppb) | 4,200(h)(T) | aquatic-acute (ppb) | 290(d)(s) | aquatic-chronic (ppb) | 71(d)(s) |
| Silver | | | 7440-22-4 | | | |
| Fresh Water- | human health (ppb) | 170(h)(T) | aquatic-acute (ppb) | (a) | aquatic-chronic (ppb) | |
| Saline Water- | human health (ppb) | 40,000(h)(T) | aquatic-acute (ppb) | 1.9(d)(s) | aquatic-chronic (ppb) | |
| 1,2,4,5-Tetrachlorobenzene (TCB) | | | 95-94-3 | | | |
| Fresh Water- | human health (ppb) | 0.97(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Saline Water- | human health (ppb) | 1.1(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) | | | 1746-01-6 | | | |
| Fresh Water- | human health (ppb) | 0.000000050(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Saline Water- | human health (ppb) | 0.000000051(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| 1,1,2,2-Tetrachloroethane | | | 79-34-5 | | | |
| Fresh Water- | human health (ppb) | 4.7(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Saline Water- | human health (ppb) | 110(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Tetrachloroethylene (PCE) | | | 127-18-4 | | | |
| Fresh Water- | human health (ppb) | 0.34(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Saline Water- | human health (ppb) | 1.6(hc) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Thallium | | | 7440-28-0 | | | |
| Fresh Water- | human health (ppb) | 0.24(h)(T) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Saline Water- | human health (ppb) | 0.47(h)(T) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Toluene | | | 108-88-3 | | | |
| Fresh Water- | human health (ppb) | 1,300(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Saline Water- | human health (ppb) | 15,000(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Toxaphene | | | 8001-35-2 | | | |
| Fresh Water- | human health (ppb) | 0.00028(hc) | aquatic-acute (ppb) | 0.73 | aquatic-chronic (ppb) | 0.0002 |
| Saline Water- | human health (ppb) | 0.00028(hc) | aquatic-acute (ppb) | 0.21 | aquatic-chronic (ppb) | 0.0002 |
| 1,2,4-Trichlorobenzene | | | 120-82-1 | | | |
| Fresh Water- | human health (ppb) | 21(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Saline Water- | human health (ppb) | 42(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| 1,1,2-Trichloroethane | | | 79-00-5 | | | |
| Fresh Water- | human health (ppb) | 13(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |
| Saline Water- | human health (ppb) | 350(h) | aquatic-acute (ppb) | | aquatic-chronic (ppb) | |

| 1,1,1-Trichloroethane (TCA) | | | 71-55-6 | |
|------------------------------------|--------------------|----------|---------------------|-----------------------|
| Fresh Water- | human health (ppb) | 120(h) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 2,600(h) | aquatic-acute (ppb) | aquatic-chronic (ppb) |

| Trichloroethene (TCE) (Trichloroethylene) | | | 79-01-6 | |
|--------------------------------------------------|--------------------|---------|---------------------|-----------------------|
| Fresh Water- | human health (ppb) | 1.0(hc) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 12(hc) | aquatic-acute (ppb) | aquatic-chronic (ppb) |

| 2,4,5-Trichlorophenol | | | 95-95-4 | |
|------------------------------|--------------------|----------|---------------------|-----------------------|
| Fresh Water- | human health (ppb) | 1,800(h) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 3,600(h) | aquatic-acute (ppb) | aquatic-chronic (ppb) |

| 2,4,6-Trichlorophenol | | | 88-06-2 | |
|------------------------------|--------------------|----------|---------------------|-----------------------|
| Fresh Water- | human health (ppb) | 0.58(hc) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 1.0(hc) | aquatic-acute (ppb) | aquatic-chronic (ppb) |

| Vinyl Chloride | | | 75-01-4 | |
|-----------------------|--------------------|-----------|---------------------|-----------------------|
| Fresh Water- | human health (ppb) | 0.082(hc) | aquatic-acute (ppb) | aquatic-chronic (ppb) |
| Saline Water- | human health (ppb) | 8.1(hc) | aquatic-acute (ppb) | aquatic-chronic (ppb) |

| Zinc | | | 7440-66-6 | |
|----------------------|--------------------|--------------|------------------------------|--------------------------------|
| Fresh Water- | human health (ppb) | 7,400(h)(T) | aquatic-acute (ppb) (a) | aquatic-chronic (ppb) (a) |
| Saline Water- | human health (ppb) | 26,000(h)(T) | aquatic-acute (ppb) 90(d)(s) | aquatic-chronic (ppb) 81(d)(s) |

Description of Footnotes

- (a) Criteria as listed at NJA 7:9B-1.14 (f)3 above as formula
- (b) Criteria as listed at NJA 7:9B-1.14 (f)4 above as formula
- (d) Criterion is expressed as a function of the Water Effect Ratio (WER). For criterion in the table, WER equates to the default value of 1.0.
- (fc) Criteria expressed as free cyanide (as CN)/L
- (h) Human health noncarcinogen
- (hc) Human health carcinogen
- (ol) Organoleptic effect-based criterion with no frequency of exceedance at or above the MA7CD10 flow
- (s) Dissolved criterion
- (T) Total recoverable criterion