

Appendix A
Table 5 - Physical and Toxicological Properties
A. Organic Regulated Substances

| Regulated Substance | CAS | RfDo (mg/kg-d) | CSFo (mg/kg-d) ¹ | RfCi (mg/m ³) | IUR (µg/m ³) ¹ | Koc | VOC? | Aqueous Solubility (mg/L) | Aqueous Solubility Reference ¹ | TF Vol from Surface Soil | TF Vol from SubSurface Soil | Organic Liquid | Boiling Point (degrees C) | Degradation Coefficient (K)(yr ⁻¹) | Mutagen? |
|--------------------------------|------------|-------------------|--------------------------------|------------------------------|--|---------|------|---------------------------------|---|-----------------------------------|--------------------------------------|-------------------|---------------------------------|--|----------|
| ACENAPHTHENE | 83-32-9 | 0.06 I | | | | 4900 | | 3.8 | 1.5,6 | | | | 279 | 1.24 | |
| ACENAPHTHYLENE | 208-96-8 | 0.06 S | | | | 4500 | | 16.1 | 5.6,7 | | | | 280 | 2.11 | |
| ACEPHATE | 30560-19-1 | 0.004 I | 0.0087 I | | | 3 | | 818000 | 6 | | | | 340 | | |
| ACETALDEHYDE | 75-07-0 | | | 0.009 I | 0.0000022 I | 4.1 | X | 1000000 | 1 | 13100 | 15100 | X | 20 | | |
| ACETONE | 67-64-1 | 0.9 I | | 31 D | | 0.31 | X | 1000000 | 1 | 13100 | 15000 | X | 56 | 18.07 | |
| ACETONITRILE | 75-05-8 | | | 0.06 I | | 0.5 | X | 1000000 | 1 | 13100 | 15000 | X | 82 | 4.50 | |
| ACETOPHENONE | 98-86-2 | 0.1 I | | | | 170 | | 5500 | 1 | | | X | 203 | | |
| ACETYLAMINOFLUORENE, 2- (2AAF) | 53-96-3 | | 3.8 C | | 0.0013 C | 1600 | | 10.13 | 7 | | | | 303 | 0.69 | |
| ACROLEIN | 107-02-8 | 0.0005 I | | 0.00002 I | | 0.56 | X | 208000 | 1.2,4 | 13100 | 15100 | X | 53 | 4.50 | |
| ACRYLAMIDE | 79-06-1 | 0.0002 I | 4.5 I | | 0.0013 I | 25 | X | 2151000 | 4 | 13000 | 15000 | | 193 | | |
| ACRYLIC ACID | 79-10-7 | 0.5 I | | 0.001 I | | 29 | X | 1000000 | 2 | 13000 | 14900 | X | 141 | 1.39 | |
| ACRYLONITRILE | 107-13-1 | 0.04 D | 0.54 I | 0.002 I | 0.000068 I | 11 | X | 73500 | 1 | 13100 | 15100 | X | 77 | 5.50 | |
| ALACHLOR | 15972-60-8 | 0.01 I | 0.056 C | | | 110 | | 140 | 2 | | | | 378 | | |
| ALDICARB | 116-06-3 | 0.001 I | | | | 22 | | 6000 | 2 | | | | 287 | 0.40 | |
| ALDICARB SULFONE | 1646-88-4 | 0.001 I | | | | 10 | | 8000 | 5 | | | | 317 | | |
| ALDICARB SULFOXIDE | 1646-87-3 | 0.001 I | | | | 0.22 | | 330000 | 5 | | | | 307 | | |
| ALDRIN | 309-00-2 | 0.00003 I | 17 I | | 0.0049 I | 48000 | | 0.02 | 4.5,6 | | | | 330 | 0.22 | |
| ALLYL ALCOHOL | 107-18-6 | 0.005 I | | 0.0003 P | | 3.2 | X | 1000000 | 2 | 13100 | 15000 | X | 97 | 18.07 | |
| AMETRYN | 834-12-8 | 0.009 I | | | | 389 | | 185 | 5 | | | | 345 | | |
| AMINOBIHENYL, 4- | 92-67-1 | | 21 C | | 0.006 C | 110 | | 1200 | 5 | | | | 302 | 18.07 | |
| AMITROLE | 61-82-5 | | 0.94 C | | 0.00027 C | 120 | | 280000 | 4 | | | | 258 | 0.69 | |
| AMMONIA | 7664-41-7 | 0.97 H | | 0.1 I | | 3 | X | 310000 | 2.5,7 | 13100 | 15000 | X | -33 | | |
| AMMONIUM SULFAMATE | 7773-06-0 | 0.2 I | | | | 3 | | 2160000 | 10 | | | | 603 | | |
| ANILINE | 62-53-3 | 0.007 P | 0.0057 I | 0.001 I | 0.0000016 C | 190 | X | 33800 | 1 | 13000 | 14900 | X | 184 | | |
| ANTHRACENE | 120-12-7 | 0.3 I | | | | 21000 | | 0.066 | 1.5,6,7,8,9 | | | | 340 | 0.28 | |
| ATRAZINE | 1912-24-9 | 0.035 I | 0.23 C | | | 130 | | 70 | 2.4,5 | | | | 313 | | |
| AZINPHOS-METHYL (GUTHION) | 86-50-0 | 0.003 D | | 0.01 D | | 407.4 | | 31.5 | 1.2 | | | | 421 | | |
| BAYGON (PROPOXUR) | 114-26-1 | 0.004 I | | | | 31 | | 2000 | 2.4,5 | | | | decomp | 4.50 | |
| BENOMYL | 17804-35-2 | 0.05 I | | | | 1,900 | | 2 | 5 | | | | 520 | | |
| BENTAZON | 25057-89-0 | 0.03 I | | | | 13 | | 500 | 2 | | | | 415 | | |
| BENZENE | 71-43-2 | 0.004 I | 0.055 I | 0.03 I | 0.0000078 I | 58 | X | 1780.5 | 1.2,3,4 | 13100 | 15000 | X | 81 | 0.35 | |
| BENZIDINE | 92-87-5 | 0.003 I | 230 I | | 0.067 I | 530,000 | | 520 | 1.2,4 | | | | 400 | 15.81 | M |
| BENZO[A]ANTHRACENE | 56-55-3 | | 0.73 N | | 0.00011 C | 350000 | | 0.011 | 1.5,6 | | | | 438 | 0.19 | M |
| BENZO[A]PYRENE | 50-32-8 | | 7.3 I | | 0.0011 C | 910000 | | 0.0038 | 1.5,6 | | | | 495 | 0.24 | M |
| BENZO[B]FLUORANTHENE | 205-99-2 | | 0.73 N | | 0.00011 C | 550000 | | 0.0012 | 5.6,7 | | | | 357 | 0.21 | M |
| BENZO[G]HIOPERYLENE | 191-24-2 | 0.06 S | | | | 2800000 | | 0.00026 | 1.5,6 | | | | 500 | 0.19 | |
| BENZO[K]FLUORANTHENE | 207-08-9 | | 0.073 N | | 0.00011 C | 4400000 | | 0.00055 | 5.6,7 | | | | 480 | 0.06 | M |
| BENZOIC ACID | 65-85-0 | 4 I | | | | 32 | | 2700 | 2.3,4,5 | | | | 249 | | |
| BENZOTRICHLORIDE | 98-07-7 | | 13 I | | | 920 | | 53 | 1.5,13 | | X | | 221 | 121413.60 | |
| BENZYL ALCOHOL | 100-51-6 | 0.5 P | | | | 100 | | 40000 | 1.2,3 | | X | | 205 | | |
| BENZYL CHLORIDE | 100-44-7 | 0.002 P | 0.17 I | 0.001 P | 0.000049 C | 190 | X | 493 | 1 | 13000 | 15000 | X | 179 | 20.90 | |
| BETA PROPIOLACTONE | 57-57-8 | | 14 C | | 0.004 C | 4 | X | 370000 | 2 | 13100 | 15000 | X | 162 | 0.01 | |
| BHC, ALPHA | 319-84-6 | 0.008 D | 6.3 I | | 0.0018 I | 1800 | | 1.7 | 4.5,6,7 | | | | 288 | 0.94 | |
| BHC, BETA- | 319-85-7 | | 1.8 I | | 0.00053 I | 2300 | | 0.1 | 6 | | | | 304 | 1.02 | |
| BHC, DELTA- | 319-86-8 | S | | | | 1900 | | 8 | 6 | | | | 304 | 1.26 | |
| BHC, GAMMA (LINDANE) | 58-89-9 | 0.0003 I | 1.1 C | | 0.00031 C | 1400 | | 7.3 | 4.5,6 | | | | 323 | 1.05 | |
| BIPHENYL, 1,1- | 92-52-4 | 0.05 I | | | | 1,700 | | 7.2 | 1 | | | | 255 | 18.07 | |
| BIS(2-CHLOROETHOXY)METHANE | 111-91-1 | 0.003 P | | | | 61 | | 100500 | 4.6,7,9,10,11 | | | X | 218 | | |
| BIS(2-CHLOROETHYL)ETHER | 111-44-4 | | 1.1 I | | 0.00033 I | 76 | X | 10200 | 1.4,5 | 13000 | 14900 | X | 179 | 0.69 | |
| BIS(2-CHLOROISOPROPYL)ETHER | 108-60-1 | 0.04 I | 0.07 H | | 0.00001 H | 62 | X | 1700 | 5 | 13000 | 14900 | X | 189 | 0.69 | |
| BIS(CHLOROMETHYL)ETHER | 542-88-1 | | 220 I | | 0.062 I | 16 | X | 22000 | 6 | 13100 | 15100 | X | 105 | 57270.57 | |
| BIS(2-ETHYLHEXYL) PHTHALATE | 117-81-7 | 0.02 I | 0.014 I | | 0.0000024 C | 87000 | | 0.285 | 4.5,6 | | X | | 384 | 0.65 | |
| BISPHENOL A | 80-05-7 | 0.05 I | | | | 1,500 | | 120 | 4 | | | | 220 | 0.69 | |
| BROMACIL | 314-40-9 | 0.1 M | | | | 58 | | 815 | 2 | | | | 421 | | |
| BROMOCHLOROMETHANE | 74-97-5 | 0.01 M | | | | 27 | X | 16700 | 4 | 13100 | 15000 | X | 68 | | |
| BROMODICHLOROMETHANE | 75-27-4 | 0.02 I | 0.062 I | | 0.000037 C | 93 | X | 4500 | 6 | 13100 | 15000 | X | 87 | | |
| BROMOMETHANE | 74-83-9 | 0.0014 I | | 0.005 I | | 170 | X | 17500 | 2 | 13100 | 15000 | X | 4 | 6.66 | |
| BROMOXYNIL | 1689-84-5 | 0.02 I | | | | 300 | | 130 | 2 | | | | 329 | | |
| BROMOXYNIL OCTANOATE | 1689-99-2 | 0.02 I | | | | 18,000 | | 0.08 | 12 | | | | 414 | 5.75 | |
| BUTADIENE, 1,3- | 106-99-0 | | 3.4 C | 0.002 I | 0.00003 I | 120 | X | 735 | 1 | 13200 | 15000 | X | -4.5 | 4.50 | |
| BUTYL ALCOHOL, N- | 71-36-3 | 0.1 I | | | | 3.2 | X | 74000 | 1 | 13000 | 14900 | X | 118 | 4.68 | |
| BUTYLATE | 2008-41-5 | 0.05 I | | | | 540 | X | 45 | 2 | 13200 | 15200 | X | 138 | | |
| BUTYLBENZENE, N- | 104-51-8 | 0.04 N | | | | 2,500 | X | 15 | 1.6,7 | 13100 | 15100 | X | 183 | | |
| BUTYLBENZENE, SEC- | 135-98-8 | 0.04 N | | | | 890 | X | 17 | 1.6,7 | 13100 | 15000 | X | 174 | | |
| BUTYLBENZENE, TERT- | 98-06-6 | 0.04 N | | | | 680 | X | 30 | 1.6,7 | 13100 | 15000 | X | 169 | | |
| BUTYLBENZYL PHTHALATE | 85-68-7 | 0.2 I | 0.0019 P | | | 34000 | | 2.69 | 4.5,6 | | X | | 370 | 1.39 | |

| Regulated Substance | CAS | RfDo (mg/kg-d) | CSFo (mg/kg-d) ¹ | RfCi (mg/m ³) | IUR (µg/m ³ -1) | Koc | VOC? | Aqueous Solubility (mg/L) | Aqueous Solubility Reference ¹ | TF Vol from Surface Soil | TF Vol from SubSurface Soil | Organic Liquid | Boiling Point (degrees C) | Degradation Coefficient (K)(yr ⁻¹) | Mutagen? |
|--|------------|-------------------|--------------------------------|------------------------------|-------------------------------|------------|------|---------------------------------|---|-----------------------------------|--------------------------------------|-------------------|---------------------------------|--|----------|
| CAPTAN | 133-06-2 | 0.13 I | 0.0023 C | | 0.00000066 C | 200 | | 0.5 | 4 | | | | 259 | 589.39 | |
| CARBARYL | 63-25-2 | 0.1 I | | | | 190 | | 120 | 2,4,5 | | | | 315 | 4.22 | |
| CARBAZOLE | 86-74-8 | | 0.02 H | | | 2,500 | | 1.2 | 1,5,6 | | | | 355 | | |
| CARBOFURAN | 1563-66-2 | 0.005 I | | | | 43 | | 700 | 2 | | | | 311 | | |
| CARBON DISULFIDE | 75-15-0 | 0.1 I | | 0.7 I | | 300 | X | 2100 | 1,2,3 | 13100 | 15100 | X | 46 | | |
| CARBON TETRACHLORIDE | 56-23-5 | 0.0007 I | 0.13 I | 0.19 D | 0.000015 I | 160 | X | 795 | 1,2,3 | 13100 | 15000 | X | 77 | 0.07 | |
| CARBOXIN | 5234-68-4 | 0.1 I | | | | 260 | | 170 | 5,6,8 | | | | 407 | | |
| CHLORAMBEN | 133-90-4 | 0.015 I | | | | 20 | | 700 | 2 | | | | 210 | | |
| CHLORDANE | 57-74-9 | 0.0005 I | 0.35 I | 0.0007 I | 0.0001 I | 98000 | | 0.056 | 4,5,7 | | | | 351 | 0.09 | |
| CHLORO-1,1-DIFLUOROETHANE, 1- | 75-68-3 | | | 50 I | | 22 | X | 1400 | 4 | 13100 | 15000 | X | -9 | | |
| CHLORO-1-PROPENE, 3- (ALLYL CHLORIDE) | 107-05-1 | | 0.021 C | 0.001 I | 0.000006 C | 48 | X | 3300 | 1,3,5,7,10 | 13100 | 15000 | X | 45 | 18.07 | |
| CHLOROACETOPHENONE, 2- | 532-27-4 | | | 0.00003 I | | 76 | | 1100 | 3 | | | | 247 | 4.50 | |
| CHLOROANILINE, P- | 106-47-8 | 0.004 I | 0.2 P | | | 460 | | 3900 | 1 | | | | 232 | | |
| CHLOROBENZENE | 108-90-7 | 0.02 I | | 0.05 P | | 200 | X | 490 | 3 | 13100 | 15000 | X | 132 | 0.84 | |
| CHLOROBENZILATE | 510-15-6 | 0.02 I | 0.11 C | | 0.000031 C | 2600 | | 13 | 4 | | | | 415 | 3.60 | |
| CHLOROBUTANE, 1- | 109-69-3 | 0.04 P | | | | 580 | X | 680 | 1,2,3,4 | 13200 | 15000 | X | 79 | | |
| CHLORODIBROMOMETHANE | 124-48-1 | 0.02 I | 0.084 I | | 0.000027 C | 83 | X | 4200 | 4,6,7,9 | 13100 | 15100 | X | 116 | 1.39 | |
| CHLORODIFLUOROMETHANE | 75-45-6 | | | 50 I | | 59 | X | 2899 | 4 | 13200 | 15000 | X | -41 | | |
| CHLOROETHANE | 75-00-3 | 0.4 N | 0.0029 N | 10 I | | 42 | X | 5700 | 1 | 13100 | 15000 | X | 12 | 4.50 | |
| CHLOROFORM | 67-66-3 | 0.01 I | | 0.098 D | 0.000023 I | 56 | X | 8000 | 1,2,3 | 13100 | 15000 | X | 61 | 0.01 | |
| CHLORONAPHTHALENE, 2- | 91-58-7 | 0.08 I | | | | 8500 | | 11.7 | 1 | | | | 256 | | |
| CHLORONITROBENZENE, P- | 100-00-5 | 0.001 P | 0.0063 P | 0.0006 P | | 480 | | 220 | 1 | | | | 242 | | |
| CHLOROPHENOL, 2- | 95-57-8 | 0.005 I | | | | 400 | X | 24000 | 1,3,4 | 12900 | 14900 | X | 175 | | |
| CHLOROPRENE | 126-99-8 | 0.02 H | | 0.007 H | | 50 | X | 1736 | 9 | 13100 | 15000 | X | 59 | 0.69 | |
| CHLOROPROPANE, 2- | 75-29-6 | | | 0.1001 H | | 260 | X | 3100 | 1,3,5 | 13200 | 15000 | X | 47 | | |
| CHLOROTHALONIL | 1897-45-6 | 0.015 I | 0.0031 C | | 0.00000089 C | 980 | | 0.6 | 2 | | | | 350 | | |
| CHLOROTOLUENE, O- | 95-49-8 | 0.02 I | | | | 760 | X | 422 | 1,4,5 | 13100 | 15000 | X | 159 | | |
| CHLOROTOLUENE, P- | 106-43-4 | 0.07 P | | | | 375 | X | 106 | 12 | 13000 | 14900 | X | 162 | | |
| CHLORPYRIFOS | 2921-88-2 | 0.003 I | | | | 4600 | | 1.12 | 2,4,6,7 | | | | 377 | | |
| CHLORSULFURON | 64902-72-3 | 0.05 I | | | | 11 | | 192 | 2,5,6,8,9 | | | | 531 | | |
| CHLOROTHAL-DIMETHYL (DACTHAL) (DCPA) | 1861-32-1 | 0.01 I | | | | 6,500 | | 0.5 | 2,5,7 | | | | 360 | 1.37 | |
| CHRYSENE | 218-01-9 | | 0.0073 N | | 0.000011 C | 490000 | | 0.0019 | 1 | | | | 448 | 0.13 | M |
| CRESOL(S) | 1319-77-3 | 0.005 S | | 0.6 C | | 25 | X | 20000 | 2 | 13000 | 14900 | X | 139 | 5.16 | |
| CRESOL, DINITRO-O-, 4,6- | 534-52-1 | 0.0001 P | | | | 257 | | 150 | 4 | | | | 312 | 6.02 | |
| CRESOL, O- (METHYLPHENOL, 2-) | 95-48-7 | 0.05 I | | | | 22 | X | 2500 | 3,5,6 | 13000 | 14900 | | 191 | 18.07 | |
| CRESOL, M (METHYLPHENOL, 3-) | 108-39-4 | 0.05 I | | | | 35 | | 2500 | 2 | | | X | 202 | 5.16 | |
| CRESOL, P (METHYLPHENOL, 4-) | 106-44-5 | 0.005 H | | | | 49 | | 22000 | 6 | | | | 202 | 9.03 | |
| CRESOL, P-CHLORO-M- | 59-50-7 | 0.005 S | | | | 780 | | 3846 | 2 | | | | 235 | | |
| CROTONALDEHYDE | 4170-30-3 | | 1.9 S | | | 5.6 | X | 180000 | 3 | 13000 | 14900 | X | 104 | 18.07 | |
| CROTONALDEHYDE, TRANS- | 123-73-9 | | 1.9 H | | | 6.1 | X | 156000 | 1 | 13100 | 15100 | X | 104 | 18.07 | |
| CUMENE (ISOPROPYL BENZENE) | 98-82-8 | 0.1 I | | 0.4 I | | 2800 | X | 50 | 1,5,6 | 13100 | 15100 | X | 152 | 15.81 | |
| CYANAZINE | 21725-46-2 | 0.002 M | 0.84 H | | | 199 | | 171 | 2,5 | | | | 369 | | |
| CYCLOHEXANE | 110-82-7 | | | 6 I | | 479 | X | 55 | 1,2,4,5,6 | 13100 | 15100 | X | 81 | | |
| CYCLOHEXANONE | 108-94-1 | 5 I | | | | 66 | X | 36500 | 1,2,4,5 | 13000 | 14900 | X | 157 | | |
| CYFLUTHRIN | 68359-37-5 | 0.025 I | | | | 130,000 | | 0.001 | 2 | | | | 448 | | |
| CYROMAZINE | 66215-27-8 | 0.0075 I | | | | 1,200 | | 11000 | 12 | | | | 222 | | |
| DDD, 4,4'- | 72-54-8 | 0.002 P | 0.24 I | | 0.000069 C | 44000 | | 0.16 | 5,6,7 | | | | 350 | 0.02 | |
| DDE, 4,4'- | 72-55-9 | | 0.34 I | | 0.000097 C | 87000 | | 0.04 | 5 | | | | 348 | 0.02 | |
| DDT, 4,4'- | 50-29-3 | 0.0005 I | 0.34 I | | 0.000097 I | 240000 | | 0.0055 | 5,6,7 | | | | 260 | 0.02 | |
| DI(2-ETHYLHEXYL)ADIPATE | 103-23-1 | 0.6 I | 0.0012 I | | | 47,000,000 | | 200 | 5 | | | X | 214 | 4.50 | |
| DIALATE | 2303-16-4 | | 0.061 H | | | 190 | | 40 | 2,4,6,8 | | | X | 328 | 1.39 | |
| DIAMINOTOLUENE, 2,4- | 95-80-7 | | 3.8 C | | 0.0011 C | 36 | | 7470 | 4 | | | | 292 | 0.69 | |
| DIAZINON | 333-41-5 | 0.0007 D | | | | 500 | | 50 | 2,4,6,8 | | | X | 306 | | |
| DIBENZO[A,H]ANTHRACENE | 53-70-3 | | 7.3 N | | 0.0012 C | 1800000 | | 0.0006 | 1,5,6 | | | | 524 | 0.13 | M |
| DIBENZOFURAN | 132-64-9 | 0.001 P | | | | 10233 | | 4.48 | 1,6,7,9 | | | | 287 | 7.23 | |
| DIBROMO-3-CHLOROPROPANE, 1,2- | 96-12-8 | 0.0002 P | 0.8 P | 0.0002 I | 0.006 P | 140 | X | 1000 | 4 | 13000 | 15000 | X | 196 | 0.69 | M |
| DIBROMOBENZENE, 1,4- | 106-37-6 | 0.01 I | | | | 1,600 | | 20 | 1 | | | | 220 | | |
| DIBROMOETHANE, 1,2- (ETHYLENE DIBROMIDE) | 106-93-4 | 0.009 I | 2 I | 0.009 I | 0.0006 I | 54 | X | 4150 | 1,2,3,5 | 13100 | 15100 | X | 131 | 2.11 | |
| DIBROMOMETHANE | 74-95-3 | 0.01 H | | | | 110 | X | 11400 | 1 | 13100 | 15100 | X | 96 | 4.50 | |
| DIBUTYL PHTHALATE, N- | 84-74-2 | 0.1 I | | | | 1600 | | 400 | 1,2,3 | | | X | 340 | 11.00 | |
| DICAMBA | 1918-00-9 | 0.03 I | | | | 0.27 | | 5600 | 4,5,6,8,10 | | | | 329 | | |
| DICHLOROACETIC ACID | 76-43-6 | 0.004 I | | | | 8.1 | X | 1000000 | 1 | 12900 | 14900 | X | 194 | | |
| DICHLORO-2-BUTENE, 1,4- | 764-41-0 | | | | 0.0042 P | 180 | X | 850 | 9 | 13100 | 15000 | X | 156 | | |
| DICHLORO-2-BUTENE, TRANS-1,4- | 110-57-6 | | | | 0.0042 S | 215 | X | 850 | 9 | 12900 | 14800 | X | 155 | | |
| DICHLOROBENZENE, 1,2- | 95-50-1 | 0.09 I | | 0.2 H | | 350 | X | 147 | 1,4,5,6,7 | 13100 | 15100 | X | 180 | 0.69 | |
| DICHLOROBENZENE, 1,3- | 541-73-1 | 0.003 N | | | | 360 | X | 106 | 1 | 13100 | 15100 | X | 173 | 0.69 | |
| DICHLOROBENZENE, P- | 106-46-7 | 0.07 D | 0.0054 C | 0.8 I | 0.000011 C | 510 | X | 82.9 | 1 | 12900 | 14900 | | 174 | 0.69 | |
| DICHLOROBENZIDINE, 3,3'- | 91-94-1 | | 0.45 I | | 0.00034 C | 22000 | | 3.11 | 4,5,6 | | | | 368 | 0.69 | |
| DICHLORODIFLUOROMETHANE (FREON 12) | 75-71-8 | 0.2 I | | 0.2 H | | 360 | X | 280 | 1 | 13200 | 15000 | X | -30 | 0.69 | |

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|---|------------|-------------------|--------------------------------|------------------------------|-------------------------------|--------|------|---------------------------------|---|-----------------------------------|--------------------------------------|-------------------|---------------------------------|--|----------|
| DICHLOROETHANE, 1,1- | 75-34-3 | 0.2 P | 0.0057 C | 0.5 H | 0.0000016 C | 52 | X | 5000 | 2 | 13100 | 15000 | X | 57 | 0.16 | |
| DICHLOROETHANE, 1,2- | 107-06-2 | 0.02 P | 0.091 I | 2.4 D | 0.000026 I | 38 | X | 8412 | 1,2,3,4 | 13100 | 15000 | X | 83 | 0.07 | |
| DICHLOROETHYLENE, 1,1- | 75-35-4 | 0.05 I | | 0.2 I | | 65 | X | 2500 | 1,4,5 | 13100 | 15000 | X | 32 | 0.19 | |
| DICHLOROETHYLENE, CIS-1,2- | 156-59-2 | 0.01 P | | | | 49 | X | 3500 | 1 | 13100 | 15000 | X | 60 | 0.01 | |
| DICHLOROETHYLENE, TRANS-1,2- | 156-60-5 | 0.02 I | | 0.06 P | | 47 | X | 6300 | 1 | 13100 | 15000 | X | 48 | 0.01 | |
| DICHLOROMETHANE (METHYLENE CHLORIDE) | 75-09-2 | 0.06 I | 0.0075 I | 1 D | 0.00000047 I | 16 | X | 20000 | 1,2,3 | 13100 | 15000 | X | 40 | 4.50 | |
| DICHLOROPHENOL, 2,4- | 120-83-2 | 0.003 I | | | | 160 | | 4500 | 1 | | | | 210 | 5.88 | |
| DICHLOROPHENOXYACETIC ACID, 2,4- (2,4-D) | 94-75-7 | 0.01 I | | | | 59 | | 677 | 4,5,6,7,10 | | | | 215 | 1.39 | |
| DICHLOROPROPANE, 1,2- | 78-87-5 | 0.09 D | 0.036 C | 0.004 I | 0.00001 C | 47 | X | 2700 | 1,3,4 | 13100 | 15000 | X | 96 | 0.10 | |
| DICHLOROPROPENE, 1,3- | 542-75-6 | 0.03 I | 0.1 I | 0.02 I | 0.000004 I | 27 | X | 2700 | 6 | 13100 | 15000 | X | 108 | 22.38 | |
| DICHLOROPROPIONIC ACID, 2,2- (DALAPON) | 75-99-0 | 0.03 I | | | | 62 | X | 500000 | 5 | 13000 | 14900 | X | 190 | 2.11 | |
| DICHLORVOS | 62-73-7 | 0.0005 I | 0.29 I | 0.0005 I | 0.000083 C | 50 | | 10000 | 2,4,5 | | | X | 234 | | |
| DICYCLOPENTADIENE | 77-73-6 | 0.008 P | | 0.007 P | | 810 | X | 40 | 5 | 13000 | 14900 | | 167 | | |
| DIELDRIN | 60-57-1 | 0.00005 I | 16 I | | 0.0046 I | 11000 | | 0.17 | 4,5,6 | | | | 385 | 0.12 | |
| DIETHANOLAMINE | 111-42-2 | | | 0.003 C | | 4 | | 1000000 | 2,3,9 | | | X | 269 | | |
| DIETHYL PHTHALATE | 84-66-2 | 0.8 I | | | | 81 | | 1080 | 4,5,6 | | | X | 298 | 2.25 | |
| DIFLUBENZURON | 35367-38-5 | 0.02 I | | | | 1,000 | | 0.2 | 2 | | | | 201 | | |
| DIISOPROPYL METHYLPHOSPHONATE | 1445-75-6 | 0.08 I | | | | 10 | X | 160000 | 9 | 13000 | 14900 | X | 190 | | |
| DIMETHOATE | 60-51-5 | 0.0002 I | | | | 110 | | 25000 | 4 | | | | 361 | 2.26 | |
| DIMETHOXYBENZIDINE, 3,3'- | 119-90-4 | | 0.014 H | | | 1,300 | | 60 | 9 | | | | 331 | 0.69 | |
| DIMETHRIN | 70-38-2 | 0.3 M | | | | 27,000 | | 0.036 | 13 | | | | 353 | | |
| DIMETHYLAMINOAZOBENZENE, P- | 60-11-7 | | 4.6 C | | 0.0013 C | 1000 | | 13.6 | 7 | | | | 335 | 4.50 | |
| DIMETHYLANILINE, N,N- | 121-69-7 | 0.002 I | | | | 180 | X | 1200 | 5,6,7,9 | 13000 | 14900 | X | 192 | 0.69 | |
| DIMETHYLBENZIDINE, 3,3'- | 119-93-7 | | 11 P | | | 22,000 | | 1300 | 10 | | | | 300 | 18.07 | |
| DIMETHYL METHYLPHOSPHONATE | 756-79-6 | 0.06 P | 0.0017 P | | | 5 | X | 1000000 | 14 | 13000 | 14900 | X | 181 | | |
| DIMETHYLPHENOL, 2,4- | 105-67-9 | 0.02 I | | | | 130 | | 7869 | 1,4,6,7 | | | X | 211 | 18.07 | |
| DINITROBENZENE, 1,3- | 99-65-0 | 0.0001 I | | | | 150 | | 523 | 3,5,6,7 | | | | 291 | 0.69 | |
| DINITROBENZENE, 1,4- | 51-28-5 | 0.002 I | | | | 0,79 | | 5600 | 2,4,5,6,7 | | | | 332 | 0.48 | |
| DINITROTOLUENE, 2,4- | 121-14-2 | 0.002 I | 0.31 C | | 0.000089 C | 51 | | 270 | 4,5,6 | | | | 300 | 0.69 | |
| DINITROTOLUENE, 2,6- (2,6-DNT) | 606-20-2 | 0.001 P | | | | 74 | | 200 | 6 | | | | 300 | 0.69 | |
| DINOSEB | 88-85-7 | 0.001 I | | | | 120 | | 50 | 5 | | | | 223 | 1.03 | |
| DIOXANE, 1,4- | 123-91-1 | 0.1 D | 0.011 I | 3.6 D | 0.0000077 C | 7,8 | X | 1000000 | 5 | 13000 | 14900 | X | 101 | 0.69 | |
| DIPHENAMID | 957-51-7 | 0.03 I | | | | 200 | | 280 | 5 | | | | 210 | | |
| DIPHENYLAMINE | 122-39-4 | 0.025 I | | | | 190 | | 300 | 3 | | | | 302 | 4.50 | |
| DIPHENYLHYDRAZINE, 1,2- | 122-66-7 | | 0.8 I | | 0.00022 I | 660 | | 0.252 | 6 | | | | 309 | 0.69 | |
| DIQUAT | 85-00-7 | 0.0022 I | | | | 2,6 | | 700000 | 5 | | | | 355 | | |
| DISULFOTON | 298-04-4 | 0.00004 I | | | | 1000 | | 25 | 4,5,6 | | | X | 332 | 6.02 | |
| DITHIANE, 1,4- | 505-29-3 | 0.01 I | | | | 22,7 | X | 3000 | 15 | 13000 | 14900 | | 199 | | |
| DIURON | 330-54-1 | 0.002 I | | | | 300 | | 42 | 2,4,5 | | | | 354 | | |
| ENDOSULFAN | 115-29-7 | 0.006 I | | | | 2,000 | | 0.48 | 4 | | | | 401 | 2.78 | |
| ENDOSULFAN I (ALPHA) | 959-98-8 | 0.006 S | | | | 2000 | | 0.5 | 6 | | | | 401 | | |
| ENDOSULFAN II (BETA) | 33213-65-9 | 0.006 S | | | | 2300 | | 0.45 | 6 | | | | 390 | | |
| ENDOSULFAN SULFATE | 1031-07-8 | 0.006 S | | | | 2300 | | 0.117 | 7,9 | | | | 409 | | |
| ENDOTHALL | 145-73-3 | 0.02 I | | | | 120 | | 100000 | 2 | | | | 350 | | |
| ENDRIN | 72-20-8 | 0.0003 I | | | | 11000 | | 0.23 | 4,6,7,9 | | | | 245 | | |
| EPICHLOROHYDRIN | 106-89-8 | 0.006 P | 0.0099 I | 0.001 I | 0.0000012 I | 35 | X | 65800 | 1,3,4 | 13000 | 14900 | X | 116 | 4.50 | |
| ETHEPHON | 16672-87-0 | 0.005 I | | | | 2 | | 1240000 | 12 | | | | 201 | | |
| ETHION | 563-12-2 | 0.0005 I | | | | 8700 | | 0.85 | 4,6,9,10 | | | X | 415 | | |
| ETHOXYETHANOL, 2- (EGEE) | 110-80-5 | 0.4 H | | 0.2 I | | 12 | X | 1000000 | 2 | 13200 | 15000 | X | 136 | 4.50 | |
| ETHYL ACETATE | 141-78-6 | 0.9 I | | | | 59 | X | 80800 | 1,2,3,4,5,6 | 13100 | 15000 | X | 77 | 18.07 | |
| ETHYL ACRYLATE | 140-88-5 | | 0.048 H | | | 110 | X | 15000 | 1,2,6 | 13100 | 15100 | X | 100 | 18.07 | |
| ETHYL BENZENE | 100-41-4 | 0.1 I | | 1 I | | 220 | X | 161 | 1,3,4 | 13100 | 15000 | X | 136 | 1.11 | |
| ETHYL DIPROPYLTHIOCARBAMATE, S- (EPTC) | 759-94-4 | 0.025 I | | | | 240 | X | 365 | 2 | 12900 | 14900 | X | 127 | | |
| ETHYL ETHER | 60-29-7 | 0.2 I | | | | 68 | X | 60400 | 1 | 13100 | 15100 | X | 35 | | |
| ETHYL METHACRYLATE | 97-63-2 | 0.09 H | | | | 22 | X | 4635.5 | 9,10 | 13100 | 15000 | X | 117 | | |
| ETHYLENE GLYCOL | 107-21-1 | 2 I | | 0.4 C | | 4,4 | X | 1000000 | 2 | 13100 | 15100 | X | 198 | 10.54 | |
| ETHYLENE THIOUREA (ETU) | 96-45-7 | 0.00008 I | 0.045 C | | 0.000013 C | 0,23 | | 20000 | 2 | | | | 347 | 4.50 | |
| ETHYLP-NITROPHENYL PHENYLPHOSPHOROTHIOATE | 2104-64-5 | 0.00001 I | | | | 1,200 | | 3.1 | 4 | | | | 215 | | |
| FENAMIPHOS | 22224-92-6 | 0.00025 I | | | | 300 | | 329 | 2 | | | | 390 | | |
| FENVALERATE (PYDRIN) | 51630-58-1 | 0.025 I | | | | 4,400 | | 0.085 | 5 | | | X | 300 | | |
| FLUOMETURON | 2164-17-2 | 0.013 I | | | | 68 | | 97.5 | 2,5,6,8 | | | | 318 | | |
| FLUORANTHENE | 206-44-0 | 0.04 I | | | | 49000 | | 0.26 | 1,5,6 | | | | 375 | 0.29 | |
| FLUORENE | 86-73-7 | 0.04 I | | | | 7900 | | 1.9 | 1 | | | | 298 | 2.11 | |
| FLUOROTRICHLOROMETHANE (FREON 11) | 75-69-4 | 0.3 I | | 0.7 H | | 130 | X | 1090 | 1,4,5,6 | 13100 | 15000 | X | 24 | 0.35 | |
| FONOFOS | 944-22-9 | 0.002 I | | | | 1100 | | 13 | 5,6,8 | | | X | 324 | | |
| FORMALDEHYDE | 50-00-0 | 0.2 I | | 0.0098 D | 0.000013 I | 3,6 | X | 55000 | 1 | 13100 | 15100 | X | -21 | 18.07 | |
| FORMIC ACID | 64-18-6 | 2 H | | 0.003 P | | 0,54 | X | 1000000 | 2 | 13000 | 14900 | X | 101 | 18.07 | |
| FOSETYL-AL | 39148-24-8 | 3 I | | | | 310 | | 120000 | 2 | | | | 464 | | |
| FURAN | 110-00-9 | 0.001 I | | | | 130 | X | 10000 | 1 | 13100 | 15000 | X | 31 | 2.25 | |
| FURFURAL | 98-01-1 | 0.003 I | | 0.05 H | | 6,3 | X | 91000 | 1,2,3 | 13000 | 14900 | X | 162 | | |

| Regulated Substance | CAS | RfDo (mg/kg-d) | CSFo (mg/kg-d) ¹ | RfCi (mg/m ³) | IUR (µg/m ³ -1) | Koc | VOC? | Aqueous Solubility (mg/L) | Aqueous Solubility Reference ^a | TF Vol from Surface Soil | TF Vol from SubSurface Soil | Organic Liquid | Boiling Point (degrees C) | Degradation Coefficient (K)(yr ⁻¹) | Mutagen? |
|--|------------|-------------------|--------------------------------|------------------------------|-------------------------------|-----------|------|---------------------------------|---|-----------------------------------|--------------------------------------|-------------------|---------------------------------|--|----------|
| GLYPHOSATE | 1071-83-6 | 0.1 I | | | | 3500 | | 12000 | 1,5,6 | | | | 417 | | |
| HEPTACHLOR | 76-44-8 | 0.0005 I | 4.5 I | | 0.0013 I | 6800 | | 0.18 | 4,6,7 | | | | 310 | 46.84 | |
| HEPTACHLOR EPOXIDE | 1024-57-3 | 0.000013 I | 9.1 I | | 0.0026 I | 21000 | | 0.31 | 4,6,7,9 | | | | 341 | 0.23 | |
| HEXACHLOROBENZENE | 118-74-1 | 0.0008 I | 1.6 I | | 0.00046 I | 3800 | | 0.006 | 1,4,5 | | | | 319 | 0.06 | |
| HEXACHLOROBUTADIENE | 87-68-3 | 0.001 P | 0.078 I | | 0.000022 I | 4700 | | 2.89 | 4,5,6,7 | | | X | 215 | 0.69 | |
| HEXACHLOROCYCLOPENTADIENE | 77-47-4 | 0.006 I | | 0.0002 I | | 7200 | | 1.8 | 5,6,7 | | | X | 239 | 4.50 | |
| HEXACHLOROETHANE | 67-72-1 | 0.001 I | 0.014 I | | 0.000004 I | 2200 | X | 50 | 1 | 13000 | 15000 | | 187 | 0.69 | |
| HEXANE | 110-54-3 | 0.06 H | | 0.7 I | | 3600 | X | 9.5 | 1,5,6 | 13100 | 15000 | X | 69 | | |
| HEXAZINONE | 51235-04-2 | 0.033 I | | | | 41 | | 330000 | 1,2 | | | | 408 | | |
| HEXYTHIAZOX (SAVEY) | 78587-05-0 | 0.025 I | | | | 6,500 | | 0.5 | 2 | | | | 539 | | |
| HMX | 2691-41-0 | 0.05 I | | | | 4 | | 5 | 16 | | | | 436 | | |
| HYDRAZINE/HYDRAZINE SULFATE | 302-01-2 | | 3 I | 0.0002 C | 0.0049 I | 0.0053 | X | 1000000 | 2 | 13000 | 15000 | X | 114 | 18.07 | |
| HYDROQUINONE | 123-31-9 | 0.04 P | 0.056 P | | | 10 | | 70000 | 2,3,5 | | | | 285 | 18.07 | |
| INDENO[1,2,3-CD]PYRENE | 193-39-5 | | 0.73 N | | 0.00011 C | 31000000 | | 0.062 | 5 | | | | 536 | 0.17 | M |
| IPIODIONE | 36734-19-7 | 0.04 I | | | | 1,100 | | 13 | 2 | | | | 545 | | |
| ISOBUTYL ALCOHOL | 78-83-1 | 0.3 I | | | | 60 | X | 81000 | 1,2,3,4,5 | 13000 | 14900 | X | 108 | 17.57 | |
| ISOPHORONE | 78-59-1 | 0.2 I | 0.00095 I | 2 C | | 31 | | 12000 | 2,4,5 | | | X | 215 | 4.5 | |
| ISOPROPYL METHYLPHOSPHONATE | 1832-54-8 | 0.1 I | | | | 1.84 | | 50000 | 13 | | | X | 230 | | |
| KEPONE | 143-50-0 | 0.0005 D | 16 C | | 0.0046 C | 55000 | | 7.6 | 4 | | | | 350 | 0.17 | |
| MALATHION | 121-75-5 | 0.02 I | | | | 1300 | | 143 | 4 | | | X | 351 | 2.46 | |
| MALEIC HYDRAZIDE | 123-33-1 | 0.5 I | | | | 2.8 | | 6000 | 4 | | | | 260 | | |
| MANEB | 12427-38-2 | 0.005 I | | | | 1 | | 23 | 9,13 | | | | 351 | | |
| MERPHOS OXIDE | 78-48-8 | 0.00003 I | | | | 53,000 | | 2.3 | 8,10,12 | | | X | 392 | | |
| METHACRYLONITRILE | 126-98-7 | 0.0001 I | | 0.0007 H | | 21 | X | 25700 | 1 | 13100 | 15100 | X | 90 | | |
| METHAMIDOPHOS | 10265-92-6 | 0.00005 I | | | | 5 | | 2000000 | 5 | | | | 223 | | |
| METHANOL | 67-56-1 | 0.5 I | | 4 C | | 2.8 | X | 1000000 | 2 | 13100 | 15100 | X | 65 | 36.14 | |
| METHOMYL | 16752-77-5 | 0.025 I | | | | 20 | | 58000 | 2 | | | | 228 | | |
| METHOXYCHLOR | 72-43-5 | 0.005 I | | | | 63000 | | 0.045 | 4,5,6 | | | | 346 | 0.69 | |
| METHOXYETHANOL, 2- | 109-86-4 | 0.003 P | | 0.02 I | | | X | 1000000 | 2 | 13100 | 15000 | X | 124 | 4.50 | |
| METHYL ACETATE | 79-20-9 | 1 H | | | | 30 | X | 243500 | 4,5,6 | 13100 | 15100 | X | 57 | | |
| METHYL ACRYLATE | 96-33-3 | 0.03 H | | | | 55 | X | 52000 | 1,2,5 | 13100 | 15100 | X | 70 | 18.07 | |
| METHYL CHLORIDE | 74-87-3 | 0.004 M | 0.013 H | 0.09 I | 0.0000018 H | 6 | X | 6180 | 1,2,3,4 | 13200 | 15000 | X | -24 | 4.50 | |
| METHYL ETHYL KETONE | 78-93-3 | 0.6 I | | 5 I | | 32 | X | 275000 | 1,2,3,4,5 | 13100 | 15100 | X | 80 | 2.57 | |
| METHYL ISOBUTYL KETONE | 108-10-1 | 0.08 H | | 3 I | | 17 | X | 19550 | 1,2,4,5 | 13100 | 15100 | X | 117 | 18.07 | |
| METHYL ISOCYANATE | 624-83-9 | | | 0.001 C | | 10 | X | 100000 | 7 | 13046 | 14991 | X | 40 | | |
| METHYL N-BUTYL KETONE (2-HEXANONE) | 591-78-6 | 0.04 N | | 0.005 N | | 54 | X | 17500 | 1 | 13100 | 15100 | X | 128 | | |
| METHYL METHACRYLATE | 80-62-6 | 1.4 I | | 0.7 I | | 10 | X | 15600 | 1 | 13100 | 15100 | X | 100 | 4.50 | |
| METHYL METHANESULFONATE | 66-27-3 | | 0.099 C | | 0.000028 C | 5.2 | | 200000 | 2 | | | X | 203 | | |
| METHYL PARATHION | 298-00-0 | 0.00025 I | | | | 790 | | 25 | 4,5,6 | | | | 348 | 3.61 | |
| METHYL STYRENE (MIXED ISOMERS) | 25013-15-4 | 0.006 H | | 0.04 H | | 2,200 | X | 89 | 9 | 13100 | 15000 | X | 163 | | |
| METHYL TERT-BUTYL ETHER (MTBE) | 1634-04-4 | | 0.0018 C | 3 I | 0.00000026 C | 12 | X | 45000 | 1,2,4,6 | 13100 | 15100 | X | 55 | 0.69 | |
| METHYLCHLOROPHOENOXYACETIC ACID (MCPA) | 94-74-6 | 0.0005 I | | | | 112 | | 1000 | 5,6,8,9 | | | | 287 | 1.39 | |
| METHYLENE BIS(2-CHLOROANILINE), 4,4'- | 101-14-4 | 0.002 P | 0.1 P | | 0.00043 C | 3,000 | | 13.9 | 10 | | | | 379 | | M |
| METHYLNAPHTHALENE, 2- | 91-57-6 | 0.004 I | | 0.003 S | | 16000 | | 25 | 1 | | | | 241 | | |
| METHYLSTYRENE, ALPHA | 98-83-9 | 0.07 H | | | | 660 | X | 560 | 9 | 13100 | 15100 | X | 165 | | |
| METOLACHLOR | 51218-45-2 | 0.15 I | | | | 182 | X | 530 | 1,5 | 13000 | 15000 | X | 100 | | |
| METRIBUZIN | 21087-64-9 | 0.025 I | | | | 95 | | 1200 | 1,5 | | | | 367 | | |
| MONOCHLOROACETIC ACID | 79-11-8 | 0.01 M | | | | | X | 858000 | 17 | 13000 | 14900 | | 189 | | |
| NAPHTHALENE | 91-20-3 | 0.02 I | | 0.003 I | | 950 | | 30 | 3 | | | | 218 | 0.98 | |
| NAPHTHYLAMINE, 1- | 134-32-7 | | 1.8 S | | 0.00051 S | 3200 | | 1690 | 2 | | | | 301 | 0.69 | |
| NAPHTHYLAMINE, 2- | 91-59-8 | | 1.8 C | | 0.00051 C | 87 | | 6.4 | 6 | | | | 306 | 0.69 | |
| NAPROPAMIDE | 15299-99-7 | 0.1 I | | | | 880 | | 70 | 2 | | | | 399 | | |
| NITROANILINE, M- | 99-09-2 | 0.0003 P | 0.021 P | 0.001 P | | 18 | | 100 | 3 | | | | 306 | | |
| NITROANILINE, O- | 88-74-4 | 0.003 P | | 0.0001 P | | 27 | | 1200 | 6 | | | | 284 | | |
| NITROANILINE, P- | 100-01-6 | 0.004 P | 0.02 P | 0.006 P | | 15 | | 800 | 2 | | | | 332 | | |
| NITROBENZENE | 98-95-3 | 0.002 I | | 0.009 I | 0.00004 I | 130 | | 2000 | 2 | | | X | 211 | 0.64 | |
| NITROGUANIDINE | 556-88-7 | 0.1 I | | | | 0.13 | | 4400 | 9 | | | | 231 | | |
| NITROPHENOL, 2- | 88-75-5 | 0.008 S | | | | 37 | | 2100 | 1,2,3,4,5,6 | | | | 215 | 9.01 | |
| NITROPHENOL, 4- | 100-02-7 | 0.008 N | | | | 230 | | 16000 | 2 | | | | 279 | 25.81 | |
| NITROPROPANE, 2- | 79-46-9 | | | 0.02 I | 0.0027 H | 20 | X | 16700 | 1,3,4,5 | 13000 | 14900 | X | 120 | 0.69 | |
| NITROSODIETHYLAMINE, N- | 55-18-5 | | 150 I | | 0.043 I | 26 | X | 93000 | 10 | 13000 | 14900 | X | 176 | 0.69 | M |
| NITROSODIMETHYLAMINE, N- | 62-75-9 | 0.000008 P | 5.1 I | | 0.014 I | 8.5 | X | 1000000 | 2 | 13000 | 14900 | X | 154 | 0.69 | M |
| NITROSO-DI-N-BUTYLAMINE, N- | 924-16-3 | | 5.4 I | | 0.0016 I | 450 | | 1200 | 0,13 | | | X | 235 | 0.69 | |
| NITROSO-DI-N-PROPYLAMINE, N- | 621-64-7 | | 7 I | | 0.002 C | 11 | | 9900 | 6 | | | X | 206 | 0.69 | |
| NITROSO-DIPHENYLAMINE, N- | 86-30-6 | 0.02 P | 0.0049 I | | 0.0000026 C | 580 | | 35 | 1 | | | | 269 | 3.72 | |
| NITROSO-N-ETHYLUREA, N- | 759-73-9 | | 27 C | | 0.0077 C | 2 | | 13000 | 9 | | | | 223 | 1734.48 | M |
| OCTYL PHTHALATE, DI-N- | 117-84-0 | 0.04 P | | | | 980000000 | | 3 | 5 | | | X | 234 | 0.69 | |
| OXAMYL (VYDATE) | 23135-22-0 | 0.025 I | | | | 7.1 | | 280000 | 2 | | | | 334 | | |
| PARAQUAT | 1910-42-5 | 0.0045 I | | | | 16200 | | 660000 | 6,8 | | | | 352 | | |
| PARATHION | 56-38-2 | 0.006 H | | | | 2300 | | 20 | 2,4,5,6,7 | | | X | 375 | | |

| Regulated Substance | CAS | RfDo (mg/kg-d) | CSFo (mg/kg-d) ¹ | RfCi (mg/m ³) | IUR (µg/m ³ -1) | Koc | VOC? | Aqueous Solubility (mg/L) | Aqueous Solubility Reference ¹ | TF Vol from Surface Soil | TF Vol from SubSurface Soil | Organic Liquid | Boiling Point (degrees C) | Degradation Coefficient (K)(yr ⁻¹) | Mutagen? |
|---|------------|-------------------|--------------------------------|------------------------------|-------------------------------|---------|------|---------------------------------|---|-----------------------------------|--------------------------------------|-------------------|---------------------------------|--|----------|
| PCB-1016 (AROCLOR) | 12674-11-2 | 0.00007 I | 0.07 I | | 0.00002 I | 110000 | | 0.25 | 5 | | | X | 325 | | |
| PCB-1221 (AROCLOR) | 11104-28-2 | | 2 I | | 0.00057 I | 1900 | | 0.59 | 5 | | | X | 275 | | |
| PCB-1232 (AROCLOR) | 11141-16-5 | | 2 I | | 0.00057 I | 1500 | | 1.45 | 7 | | | X | 290 | | |
| PCB-1242 (AROCLOR) | 53469-21-9 | | 2 I | | 0.00057 I | 48000 | | 0.1 | 5 | | | X | 325 | | |
| PCB-1248 (AROCLOR) | 12672-29-6 | | 2 I | | 0.00057 I | 190000 | | 0.054 | 7.9,11 | | | X | 340 | | |
| PCB-1254 (AROCLOR) | 11097-69-1 | 0.00002 I | 2 I | | 0.00057 I | 810000 | | 0.057 | 5 | | | X | 365 | | |
| PCB-1260 (AROCLOR) | 11096-82-5 | | 2 I | | 0.00057 I | 1800000 | | 0.08 | 5 | | | X | 385 | | |
| PEBULATE | 1114-71-2 | 0.05 H | | | | 630 | | 92 | 5 | | | X | 303 | | |
| PENTACHLORO BENZENE | 608-93-5 | 0.0008 I | | | | 32000 | | 0.74 | 1.5,6.7 | | | | 277 | 0.37 | |
| PENTACHLOROETHANE | 76-01-7 | | 0.09 P | | | 1905 | X | 480 | 1.3 | 13100 | 15100 | X | 160 | | |
| PENTACHLORONITROBENZENE | 82-68-8 | 0.003 I | 0.26 H | | | 7900 | | 0.44 | 4.6,8 | | | | 328 | 0.36 | |
| PENTACHLOROPHENOL | 87-86-5 | 0.03 I | 0.12 I | | 0.0000046 C | 20000 | | 14 | 1.2,4.5 | | | | 310 | 0.17 | |
| PHENACETIN | 62-44-2 | | 0.0022 C | | 0.00000063 C | 110 | | 763 | 2.3,9 | | | | 341 | 4.50 | |
| PHENANTHRENE | 85-01-8 | 0.3 S | | | | 38000 | | 1.1 | 1.4,5 | | | | 341 | 0.63 | |
| PHENOL | 108-95-2 | 0.3 I | | 0.2 C | | 22 | X | 84300 | 1.2,3,4 | 13000 | 14900 | | 182 | 36.14 | |
| PHENYL MERCAPTAN | 108-98-5 | 0.00001 H | | | | 562 | X | 653 | 5.9 | 13000 | 15000 | X | 170 | | |
| PHENYLENEDIAMINE, M- | 108-45-2 | 0.006 I | | | | 12 | | 351000 | 3 | | | | 286 | 4.50 | |
| PHENYLPHENOL, 2- | 90-43-7 | | 0.0019 H | | | 5,700 | | 700 | 5 | | | | 280 | 18.07 | |
| PHORATE | 298-02-2 | 0.0002 H | | | | 810 | | 50 | 2 | | | X | 319 | | |
| PHTHALIC ANHYDRIDE | 85-44-9 | 2 I | | 0.02 C | | 79 | | 6170 | 2 | | | | 285 | 13490.40 | |
| PICLORAM | 1918-02-1 | 0.07 I | | | | 15 | | 430 | 2 | | | | 373 | | |
| POLYCHLORINATED BIPHENYLS (AROCLORS) (PCBS) | 1336-36-3 | | 2 I | | 0.00057 I | | | 0.0505 | 10,13 | | | | 360 | | |
| PROMETON | 1610-18-0 | 0.015 I | | | | 346 | | 750 | 2.5 | | | | 347 | | |
| PRONAMIDE | 23950-58-5 | 0.075 I | | | | 200 | | 15 | 2 | | | | 321 | | |
| PROPANIL | 709-98-8 | 0.005 I | | | | 160 | | 225 | 2 | | | | 355 | | |
| PROPANOL, 2- (ISOPROPYL ALCOHOL) | 67-63-0 | | | 7 C | | 25 | X | 1000000 | 2 | 13000 | 14900 | X | 82 | | |
| PROPABINE | 139-40-2 | 0.02 I | | | | 155 | | 8.6 | 1.5 | | | X | 318 | | |
| PROPHAM | 122-42-9 | 0.02 I | | | | 51 | | 250 | 5 | | | | 257 | | |
| PROPYLBENZENE, N- | 103-65-1 | 0.04 N | | | | 720 | X | 52 | 6 | 13100 | 15100 | X | 159 | | |
| PROPYLENE OXIDE | 75-56-9 | | 0.24 I | 0.03 I | 0.0000037 I | 25 | X | 405000 | 1 | 13100 | 15000 | X | 34 | | |
| PYRENE | 129-00-0 | 0.03 I | | | | 68000 | | 0.132 | 1 | | | | 393 | 0.07 | |
| PYRIDINE | 110-86-1 | 0.001 I | | | | 0.0066 | X | 1000000 | 2 | 13100 | 15000 | X | 115 | 18.07 | |
| QUINOLINE | 91-22-5 | | 3 I | | | 1,300 | | 60000 | 1.3,5 | | | X | 238 | 12.65 | |
| QUIZALOFOP (ASSURE) | 76578-14-8 | 0.009 I | | | | 580 | | 0.3 | 2 | | | | 220 | | |
| RDX | 121-82-4 | 0.003 I | 0.11 I | | 0.0000031 I | 70 | | 59.9 | 1.9 | | | | 353 | | |
| RESORCINOL | 108-46-3 | 2 TE | | | | 2 | | 717000 | | | | | 280 | | |
| RONNEL | 299-84-3 | 0.05 H | | | | 580 | | 40 | 2 | | | | 349 | | |
| SIMAZINE | 122-34-9 | 0.005 I | 0.12 H | | | 110 | | 5 | 5 | | | | 225 | | |
| STRYCHNINE | 57-24-9 | 0.0003 I | | | | 280 | | 143 | 5 | | | | 270 | 4.50 | |
| STYRENE | 100-42-5 | 0.2 I | | 1 I | | 910 | X | 300 | 5 | 13100 | 15100 | X | 145 | 1.20 | |
| TEBUTHIURON | 34014-18-1 | 0.07 I | | | | 620 | | 2500 | 2 | | | | 394 | | |
| TERBACIL | 5902-51-2 | 0.013 I | | | | 53 | | 710 | 2 | | | | 396 | | |
| TERBUFOS | 13071-79-9 | 0.000025 H | | | | 510 | | 5 | 6 | | | X | 332 | | |
| TETRACHLORO BENZENE, 1,2,4,5- | 95-94-3 | 0.0003 I | | | | 1,800 | | 0.583 | 1.5,6.7 | | | | 245 | 0.69 | |
| TETRACHLORODIBENZO-P-DIOXIN, 2,3,7,8- (TCDD) | 1746-01-6 | 0.000000001 D | 130000 C | 4E-8 C | 38 C | 4300000 | | 0.0000193 | 6 | | | | 412 | 0.21 | |
| TETRACHLOROETHANE, 1,1,1,2- | 630-20-6 | 0.03 I | 0.026 I | | 0.0000074 I | 980 | X | 1100 | 1 | 13000 | 14600 | X | 131 | 3.79 | |
| TETRACHLOROETHANE, 1,1,2,2- | 79-34-5 | 0.004 P | 0.2 I | | 0.000058 I | 79 | X | 2860 | 2 | 13100 | 15100 | X | 147 | 0.56 | |
| TETRACHLOROETHYLENE (PCE) | 127-18-4 | 0.01 I | 0.052 N | 0.5 N | 0.00000058 N | 300 | X | 162 | 1.2,3,4,5 | 13100 | 15000 | X | 121 | 0.03 | |
| TETRACHLOROPHENOL, 2,3,4,6- | 58-90-2 | 0.03 I | | | | 6200 | | 183 | 6 | | | | 288 | 0.69 | |
| TETRAETHYL LEAD | 78-00-2 | 0.0000001 I | | | | 4900 | | 0.8 | 5 | | | X | 202 | 4.50 | |
| TETRAETHYLDITHIOPYROPHOSPHATE | 3689-24-5 | 0.0005 I | | | | 550 | | 25 | 2 | | | X | 349 | | |
| TETRAHYDROFURAN | 109-99-9 | 0.2 N | 0.0076 N | 0.3 N | 0.00000194 N | 43 | X | 300000 | 1.6,7 | 13100 | 15100 | X | 66 | | |
| THIOFANOX | 39196-18-4 | 0.0003 H | | | | 0.022 | | 5200 | 9 | | | | 280 | | |
| THIRAM | 137-26-8 | 0.005 I | | | | 1000 | | 30 | 4 | | | | 339 | | |
| TOLUENE | 108-88-3 | 0.08 I | | 5 I | | 130 | X | 532.4 | 1.2,3,4 | 13100 | 15000 | X | 111 | 9.01 | |
| TOLUIDINE, M- | 108-44-1 | | 0.18 S | | 0.000051 S | 140 | | 15030 | 6 | | | X | 203 | | |
| TOLUIDINE, O- | 95-53-4 | | 0.18 C | | 0.000051 C | 410 | | 15000 | 1.3,5 | | | X | 200 | 18.07 | |
| TOLUIDINE, P- | 106-49-0 | | 0.19 H | | | 320 | | 7410 | 1.2,3 | | | | 200 | | |
| TOXAPHENE | 8001-35-2 | | 1.1 I | | 0.00032 I | 1500 | | 3 | 2.4,5 | | | | 432 | | |
| TRIALATE | 2303-17-5 | 0.013 I | | | | 2,000 | | 4 | 5 | | | X | 343 | | |
| TRIBROMOMETHANE (BROMOFORM) | 75-25-2 | 0.02 I | 0.0079 I | | 0.0000011 I | 130 | X | 3050 | 1.2,3,4 | 13100 | 15100 | X | 149 | 0.69 | |
| TRICHLORO-1,2,2-TRIFLUOROETHANE, 1,1,2- | 76-13-1 | 30 I | | 30 H | | 1,200 | X | 170 | 1 | 13100 | 15000 | X | 48 | 0.35 | |
| TRICHLORO BENZENE, 1,2,4- | 120-82-1 | 0.01 I | 0.0036 C | 0.004 P | | 1500 | | 44.4 | 1.4,6,7 | | | X | 213 | 0.69 | |
| TRICHLORO BENZENE, 1,3,5- | 108-70-3 | 0.006 M | | 0.004 S | | 3100 | | 5.8 | 5 | | | | 208 | | |
| TRICHLOROETHANE, 1,1,1- | 71-55-6 | 2 I | | 5 I | | 100 | X | 1495 | 1.4,5,6 | 13100 | 15000 | X | 74 | 0.05 | |
| TRICHLOROETHANE, 1,1,2- | 79-00-5 | 0.004 I | 0.057 I | | 0.000016 I | 76 | X | 4420 | 1 | 13100 | 15100 | X | 114 | 0.03 | |
| TRICHLOROETHYLENE (TCE) | 79-01-6 | 0.006 N | 0.011 N | 0.5 D | 0.0000017 N | 93 | X | 1100 | 1 | 13100 | 15000 | X | 87 | 0.02 | |
| TRICHLOROPHENOL, 2,4,5- | 95-95-4 | 0.1 I | | | | 2400 | | 1000 | 1.2,4 | | | | 246 | 0.14 | |
| TRICHLOROPHENOL, 2,4,6- | 88-06-2 | 0.001 P | 0.011 I | | 0.0000031 I | 1100 | | 850 | 1.2,4,5 | | | | 246 | 0.14 | |
| TRICHLOROPHENOXYACETIC ACID, 2,4,5- (2,4,5-T) | 93-76-5 | 0.01 I | | | | 43 | | 278 | 2.4,5 | | | | 279 | 1.39 | |

| Regulated Substance | CAS | RfDo (mg/kg-d) | CSFo (mg/kg-d) ¹ | RfCi (mg/m ³) | IUR (µg/m ³ -1) | Koc | VOC? | Aqueous Solubility (mg/L) | Aqueous Solubility Reference ¹ | TF Vol from Surface Soil | TF Vol from SubSurface Soil | Organic Liquid | Boiling Point (degrees C) | Degradation Coefficient (K)(yr ⁻¹) | Mutagen? |
|---|------------|-------------------|--------------------------------|------------------------------|-------------------------------|-------|------|---------------------------------|---|-----------------------------------|--------------------------------------|-------------------|---------------------------------|--|----------|
| TRICHLOROPHENOXYPROPIONIC ACID, 2,4,5- (2,4,5-TP)(SILVEX) | 93-72-1 | 0.008 I | | | | 1700 | | 140 | 2 | | | | 353 | | |
| TRICHLOROPROPANE, 1,1,2- | 598-77-6 | 0.005 I | | | | 24 | X | 2700 | 14 | 13100 | 15000 | X | 117 | | |
| TRICHLOROPROPANE, 1,2,3- | 96-18-4 | 0.006 I | 7 H | 0.005 N | | 280 | X | 1896 | 1,4,6 | 13100 | 15100 | X | 157 | 0.35 | |
| TRICHLOROPROPENE, 1,2,3- | 96-19-5 | 0.01 P | | 0.001 P | | 190 | X | 2700 | 14 | 13100 | 15000 | X | 142 | | |
| TRIETHYLAMINE | 121-44-8 | | | 0.007 I | | 51 | X | 55000 | 1,4 | 13100 | 15100 | X | 90 | | |
| TRIFLURALIN | 1582-09-8 | 0.0075 I | 0.0077 I | | | 720 | | 4 | 2,5,6,7 | | | | 382 | | |
| TRIMETHYLBENZENE, 1,3,4- (TRIMETHYLBENZENE, 1,2,4-) | 95-63-6 | 0.05 P | | 0.007 P | | 2,200 | X | 56 | 1 | 13100 | 15000 | X | 169 | 4.50 | |
| TRIMETHYLBENZENE, 1,3,5- | 108-67-8 | 0.05 P | | 0.006 P | | 660 | X | 48.9 | 1 | 13100 | 15100 | X | 165 | | |
| TRINITROGLYCEROL (NITROGLYCERIN) | 55-63-0 | 0.0001 P | 0.017 P | | | | X | 1800 | 2,3,5 | 13000 | 15000 | X | 190 | 18.07 | |
| TRINITROTOLUENE, 2,4,6- | 118-96-7 | 0.0005 I | 0.03 I | | | 1 | | 100 | 2 | | | | 240 | | |
| VINYL ACETATE | 108-05-4 | 1 H | | 0.2 I | | 2.8 | X | 20000 | 1 | 13200 | 15000 | X | 73 | | |
| VINYL BROMIDE (BROMOETHENE) | 593-60-2 | | | 0.003 I | 0.000032 H | 150 | X | 4180 | 12 | 13100 | 15000 | X | 16 | 0.09 | |
| VINYL CHLORIDE | 75-01-4 | 0.003 I | 0.72 I | 0.1 I | 0.0000044 I | 10 | X | 2700 | 1 | 13200 | 15000 | X | -13 | 0.09 | V |
| WARFARIN | 81-81-2 | 0.0003 I | | | | 910 | | 17 | 4 | | | | 356 | 4.50 | |
| XYLENES (TOTAL) | 1330-20-7 | 0.2 I | | 0.1 I | | 350 | X | 175 | 13 | 13100 | 15000 | X | 140 | 0.69 | |
| ZINEB | 12122-67-7 | 0.05 I | | | | 19 | | 10 | 4 | | | | 474 | | |

Toxicity Value Sources:

C = California EPA Cancer Potency Factor

D = ATSDR Minimal Risk Level

H = Health Effects Assessment Summary Table (HEAST)

I = Integrated Risk Information System (IRIS)

M = EPA Drinking Water Regulations and Health Advisories

N = EPA NCEA Provisional Values

P = EPA Provisional Peer-Reviewed Toxicity Value

S = surrogate

T = TEF

TE = TERA ITER Peer-Reviewed Value