

Appendix A
Table 3 – Medium-Specific Concentrations (MSCs) for Organic Regulated Substances in Soil
A. Direct Contact Numeric Values

| REGULATED SUBSTANCE | CASRN | Residential 0-15 feet | Nonresidential | |
|--------------------------------|------------|--------------------------|-----------------------------|---------------------------------|
| | | | Surface Soil 0-2 feet | Subsurface Soil 2-15 feet |
| ACENAPHTHENE | 83-32-9 | 13,000 G | 190,000 C | 190,000 C |
| ACENAPHTHYLENE | 208-96-8 | 13,000 G | 190,000 C | 190,000 C |
| ACEPHATE | 30560-19-1 | [880] 260 G | [10,000] 3,800 G | 190,000 C |
| ACETALDEHYDE | 75-07-0 | 170 N | 720 N | 830 N |
| ACETONE | 67-64-1 | 10,000 C | 10,000 C | 10,000 C |
| ACETONITRILE | 75-05-8 | 1,100 N | [4,800] 4,700 N | 5,500 N |
| ACETOPHENONE | 98-86-2 | 10,000 C | 10,000 C | 10,000 C |
| ACETYLAMINOFLUORENE, 2- (2AAF) | 53-96-3 | 4.9 G | 24 G | 190,000 C |
| ACROLEIN | 107-02-8 | 0.38 N | 1.6 N | 1.8 N |
| ACRYLAMIDE | 79-06-1 | 1.7 N | 22 N | [26] 25 N |
| ACRYLIC ACID | 79-10-7 | 19 N | 79 N | 91 N |
| ACRYLONITRILE | 107-13-1 | [6.6] 6.5 N | 33 N | [38] 37 N |
| ALACHLOR | 15972-60-8 | 330 G | 1,600 G | 190,000 C |
| ALDICARB | 116-06-3 | 220 G | 3,200 G | 190,000 C |
| ALDICARB SULFONE | 1646-88-4 | 220 G | 3,200 G | 190,000 C |
| ALDICARB SULFOXIDE | 1646-87-3 | 220 G | 3,200 G | 190,000 C |
| ALDRIN | 309-00-2 | 1.1 G | 5.4 G | 190,000 C |
| ALLYL ALCOHOL | 107-18-6 | 1.9 N | [8] 7.9 N | 9.1 N |
| AMETRYN | 834-12-8 | 2,000 G | 29,000 G | 190,000 C |
| AMINOBIIPHENYL, 4- | 92-67-1 | 0.89 G | 4.3 G | 190,000 C |
| AMITROLE | 61-82-5 | 20 G | 97 G | 190,000 C |
| AMMONIA | 7664-41-7 | [1,900] 9,600 N | [8,000] 10,000 [N] C | [9,100] 10,000 [N] C |
| AMMONIUM SULFAMATE | 7773-06-0 | 44,000 G | 190,000 C | 190,000 C |
| ANILINE | 62-53-3 | 19 N | 79 N | 91 N |
| ANTHRACENE | 120-12-7 | 66,000 G | 190,000 C | 190,000 C |
| ATRAZINE | 1912-24-9 | 81 G | 400 G | 190,000 C |
| AZINPHOS-METHYL (GUTHION) | 86-50-0 | [660] 330 G | [9,600] 4,800 G | 190,000 C |
| BAYGON (PROPOXUR) | 114-26-1 | 880 G | 13,000 G | 190,000 C |
| BENOMYL | 17804-35-2 | [11,000] 7,800 G | [160,000] 38,000 G | 190,000 C |
| BENTAZON | 25057-89-0 | 6,600 G | 96,000 G | 190,000 C |
| BENZENE | 71-43-2 | 57 N | [290] 280 N | 330 N |
| BENZIDINE | 92-87-5 | 0.018 G | 0.4 G | 190,000 C |
| BENZO[A]ANTHRACENE | 56-55-3 | [6] 6.1 G | 130 G | 190,000 C |
| BENZO[A]PYRENE | 50-32-8 | [0.58] 4.2 G | [12] 91 G | 190,000 C |
| BENZO[B]FLUORANTHENE | 205-99-2 | 3.5 G | 76 G | 190,000 C |
| BENZO[GHI]PERYLENE | 191-24-2 | 13,000 G | 190,000 C | 190,000 C |
| BENZO[K]FLUORANTHENE | 207-08-9 | [4] 3.5 G | 76 G | 190,000 C |
| BENZOIC ACID | 65-85-0 | 190,000 C | 190,000 C | 190,000 C |
| BENZOTRICHLORIDE | 98-07-7 | 1.4 G | 7 G | 10,000 C |
| BENZYL ALCOHOL | 100-51-6 | 10,000 C | 10,000 C | 10,000 C |
| BENZYL CHLORIDE | 100-44-7 | 9 N | 45 N | 52 N |
| BETA PROPIOLACTONE | 57-57-8 | 0.11 N | [0.56] 0.55 N | [0.64] 0.63 N |
| BHC, ALPHA | 319-84-6 | 3 G | 14 G | 190,000 C |
| BHC, BETA- | 319-85-7 | 10 G | 51 G | 190,000 C |
| BHC, GAMMA (LINDANE) | 58-89-9 | 17 G | 83 G | 190,000 C |
| BIPHENYL, 1,1- | 92-52-4 | [2,300] [G] | [11,000] [G] | [190,000] [C] |

All concentrations **[ns]** in mg/kg
G – Ingestion
N- Inhalation
C- Cap

Appendix A
Table 3 – Medium-Specific Concentrations (MSCs) for Organic Regulated Substances in Soil
A. Direct Contact Numeric Values

| REGULATED SUBSTANCE | CASRN | Residential 0-15 feet | Nonresidential | |
|---------------------------------------|-----------------|------------------------------------|---------------------------------|-----------------------------------|
| | | | Surface Soil 0-2 feet | Subsurface Soil 2-15 feet |
| | | 8.2 N | 34 N | 40 N |
| BIS(2-CHLOROETHOXY)METHANE | 111-91-1 | 660 G | 9,600 G | 10,000 C |
| BIS(2-CHLOROETHYL)ETHER | 111-44-4 | 1.3 N | 6.7 N | [7.7] 7.6 N |
| BIS(2-CHLORO-ISOPROPYL)ETHER | 108-60-1 | 44 N | 220 N | 250 N |
| BIS(CHLOROMETHYL)ETHER | 542-88-1 | [0.0072] 0.0071 N | 0.036 N | 0.041 N |
| BIS[2-ETHYLHEXYL] PHTHALATE | 117-81-7 | 1,300 G | 6,500 G | 10,000 C |
| BISPHENOL A | 80-05-7 | 11,000 G | 160,000 G | 190,000 C |
| BROMACIL | 314-40-9 | 22,000 G | 190,000 C | 190,000 C |
| BROMOBENZENE | 108-86-1 | 1,100 N | 4,700 N | 5,400 N |
| BROMOCHLOROMETHANE | 74-97-5 | 770 N | 3,200 N | 3,600 N |
| BROMODICHLOROMETHANE | 75-27-4 | 12 N | 60 N | 69 N |
| BROMOMETHANE | 74-83-9 | [96] 95 N | 400 N | 460 N |
| BROMOXYNIL | 1689-84-5 | [4,400] 180 G | [64,000] 880 G | 190,000 C |
| BROMOXYNIL OCTANOATE | 1689-99-2 | [4,400] 180 G | [64,000] 880 G | 190,000 C |
| BUTADIENE, 1,3- | 106-99-0 | [5.5] 15 [G] N | [27] 74 [G] N | 85 N |
| BUTYL ALCOHOL, N- | 71-36-3 | 10,000 C | 10,000 C | 10,000 C |
| BUTYLATE | 2008-41-5 | 10,000 C | 10,000 C | 10,000 C |
| BUTYLBENZENE, N- | 104-51-8 | 10,000 C | 10,000 C | 10,000 C |
| BUTYLBENZENE, SEC- | 135-98-8 | 10,000 C | 10,000 C | 10,000 C |
| BUTYLBENZENE, TERT- | 98-06-6 | 10,000 C | 10,000 C | 10,000 C |
| BUTYLBENZYL PHTHALATE | 85-68-7 | 9,800 G | 10,000 C | 10,000 C |
| CAPTAN | 133-06-2 | 8,100 G | 40,000 G | 190,000 C |
| CARBARYL | 63-25-2 | 22,000 G | 190,000 C | 190,000 C |
| CARBAZOLE | 86-74-8 | 930 G | 4,600 G | 190,000 C |
| CARBOFURAN | 1563-66-2 | 1,100 G | 16,000 G | 190,000 C |
| CARBON DISULFIDE | 75-15-0 | 10,000 C | 10,000 C | 10,000 C |
| CARBON TETRACHLORIDE | 56-23-5 | [74] 75 N | 370 N | 430 N |
| CARBOXIN | 5234-68-4 | 22,000 G | 190,000 C | 190,000 C |
| CHLORAMBEN | 133-90-4 | 3,300 G | 48,000 G | 190,000 C |
| CHLORDANE | 57-74-9 | 53 G | 260 G | 190,000 C |
| CHLORO-1,1-DIFLUOROETHANE, 1- | 75-68-3 | 10,000 C | 10,000 C | 10,000 C |
| CHLORO-1-PROPENE, 3- (ALLYL CHLORIDE) | 107-05-1 | 19 N | 80 N | [91] 92 N |
| CHLOROACETALDEHYDE | 107-20-0 | [62] 69 G | [300] 340 G | 10,000 C |
| CHLOROACETOPHENONE, 2- | 532-27-4 | 190,000 C | 190,000 C | 190,000 C |
| CHLOROANILINE, P- | 106-47-8 | 93 G | 460 G | 190,000 C |
| CHLOROBENZENE | 108-90-7 | [960] 950 N | [4,000] 3,900 N | [4,600] 4,500 N |
| CHLOROBENZILATE | 510-15-6 | 170 G | 830 G | 190,000 C |
| CHLOROBUTANE, 1- | 109-69-3 | 8,800 G | 10,000 C | 10,000 C |
| CHLORODIBROMOMETHANE | 124-48-1 | [17] 220 [N] G | [82] 1,100 [N] G | [95] 10,000 [N] C |
| CHLORODIFLUOROMETHANE | 75-45-6 | 10,000 C | 10,000 C | 10,000 C |
| CHLOROETHANE | 75-00-3 | [6,400] 10,000 [G] C | 10,000 C | 10,000 C |
| CHLOROFORM | 67-66-3 | 19 N | [97] 96 N | 110 N |
| CHLORONAPHTHALENE, 2- | 91-58-7 | 18,000 G | 190,000 C | 190,000 C |
| CHLORONITROBENZENE, P- | 100-00-5 | [220] 39 [G] N | [3,200] 160 [G] N | [190,000] 180 [C] N |

All concentrations **[ns]** in mg/kg
G – Ingestion
N- Inhalation
C- Cap

Appendix A
Table 3 – Medium-Specific Concentrations (MSCs) for Organic Regulated Substances in Soil
A. Direct Contact Numeric Values

| REGULATED SUBSTANCE | CASRN | Residential 0-15 feet | Nonresidential | | | |
|--|------------|---------------------------------|-----------------------------------|---|---------------------------------|---|
| | | | Surface Soil 0-2 feet | | Subsurface Soil 2-15 feet | |
| CHLOROPHENOL, 2- | 95-57-8 | 1,100 G | 10,000 | C | 10,000 | C |
| CHLOROPRENE | 126-99-8 | 1.5 N | 7.4 | N | 8.5 | N |
| CHLOROPROPANE, 2- | 75-29-6 | 1,900 N | [8,000] 7,900 | N | 9,100 | N |
| CHLOROTHALONIL | 1897-45-6 | 3,300 G | 29,000 | G | 190,000 | C |
| CHLOROTOLUENE, O- | 95-49-8 | 4,400 G | 10,000 | C | 10,000 | C |
| CHLOROTOLUENE, P- | 106-43-4 | 4,400 C | 10,000 | C | 10,000 | C |
| CHLORPYRIFOS | 2921-88-2 | 220 G | 3,200 | G | 190,000 | C |
| CHLORSULFURON | 64902-72-3 | [11,000] 4,400 | [160,000] 64,000 | G | 190,000 | C |
| CHLORTHAL-DIMETHYL (DACTHAL) (DCPA) | 1861-32-1 | 2,200 G | 32,000 | G | 190,000 | C |
| CHRYSENE | 218-01-9 | 35 G | 760 | G | 190,000 | C |
| CRESOL(S) | 1319-77-3 | 10,000 C | 10,000 | C | 10,000 | C |
| CRESOL, 4,6-DINITRO-O- | 534-52-1 | 18 G | 260 | G | 190,000 | C |
| CRESOL, O- (2-METHYLPHENOL) | 95-48-7 | 11,000 G | 160,000 | G | 190,000 | C |
| CRESOL, M- (3-METHYLPHENOL) | 108-39-4 | 10,000 C | 10,000 | C | 10,000 | C |
| CRESOL, P- (4-METHYLPHENOL) | 106-44-5 | 1,100 G | 16,000 | G | 190,000 | C |
| CRESOL, P-CHLORO-M- | 59-50-7 | 22,000 G | 190,000 | G | 190,000 | C |
| CROTONALDEHYDE | 4170-30-3 | 9.8 G | 48 | G | 10,000 | C |
| CROTONALDEHYDE, TRANS- | 123-73-9 | 9.8 G | 48 | G | 10,000 | C |
| CUMENE (ISOPROPYL BENZENE) | 98-82-8 | [7,700] 7,600 | 10,000 | C | 10,000 | C |
| CYANAZINE | 21725-46-2 | 22 G | 110 | G | 190,000 | C |
| CYCLOHEXANE | 110-82-7 | 10,000 C | 10,000 | C | 10,000 | C |
| CYCLOHEXANONE | 108-94-1 | 10,000 C | 10,000 | C | 10,000 | C |
| CYFLUTHRIN | 68359-37-5 | 5,500 G | 80,000 | G | 190,000 | C |
| CYROMAZINE | 66215-27-8 | [1,700] 3,300 | [24,000] 48,000 | G | 190,000 | C |
| DDD, 4,4'- | 72-54-8 | 78 G | 380 | G | 190,000 | C |
| DDE, 4,4'- | 72-55-9 | 55 G | 270 | G | 190,000 | C |
| DDT, 4,4'- | 50-29-3 | 55 G | 270 | G | 190,000 | C |
| DI(2-ETHYLHEXYL)ADIPATE | 103-23-1 | 10,000 C | 10,000 | C | 10,000 | C |
| DIALATE | 2303-16-4 | 300 G | 1,500 | G | 10,000 | C |
| DIAMINOTOLUENE, 2,4'- | 95-80-7 | 4.7 G | 23 | G | 190,000 | C |
| DIAZINON | 333-41-5 | 150 G | 2,200 | G | 10,000 | C |
| DIBENZO[A,H]ANTHRACENE | 53-70-3 | 1 G | 22 | G | 190,000 | C |
| DIBENZOFURAN | 132-64-9 | 220 G | 3,200 | G | 190,000 | C |
| DIBROMO-3-CHLOROPROPANE, 1,2- | 96-12-8 | 0.029 N | 0.37 | N | [0.43] 0.42 | N |
| DIBROMOBENZENE, 1,4- | 106-37-6 | 2,200 G | 32,000 | G | 190,000 | C |
| DIBROMOETHANE, 1,2- (ETHYLENE DIBROMIDE) | 106-93-4 | 0.74 N | 3.7 | N | [4.3] 4.2 | N |
| DIBROMOMETHANE | 74-95-3 | [77] 76 | [320] 310 | N | [370] 360 | N |
| DIBUTYL PHTHALATE, N- | 84-74-2 | 10,000 C | 10,000 | C | 10,000 | C |
| DICAMBA | 1918-00-9 | 6,600 G | 96,000 | G | 190,000 | C |
| DICHLOROACETIC ACID | 76-43-6 | 370 G | 1,800 | G | 10,000 | C |
| DICHLORO-2-BUTENE, 1,4- | 764-41-0 | 0.11 N | [0.53] 0.52 | N | [0.61] 0.6 | N |
| DICHLORO-2-BUTENE, TRANS-1,4- | 110-57-6 | 0.1 N | 0.52 | N | 0.6 | N |
| DICHLOROBENZENE, 1,2- | 95-50-1 | 3,800 N | 10,000 | C | 10,000 | C |
| DICHLOROBENZENE, 1,3- | 541-73-1 | 10,000 C | 10,000 | C | 10,000 | C |
| DICHLOROBENZENE, P- | 106-46-7 | 40 N | 200 | N | 230 | N |
| DICHLOROBENZIDINE, 3,3'- | 91-94-1 | 41 G | 200 | G | 190,000 | C |

All concentrations **[ns]** in mg/kg
G – Ingestion
N- Inhalation
C- Cap

Appendix A
Table 3 – Medium-Specific Concentrations (MSCs) for Organic Regulated Substances in Soil
A. Direct Contact Numeric Values

| REGULATED SUBSTANCE | CASRN | Residential 0-15 feet | Nonresidential | | | |
|--|------------|--|--|------------------------|--|---|
| | | | Surface Soil 0-2 feet | | Subsurface Soil 2-15 feet | |
| DICHLORODIFLUOROMETHANE (FREON 12) | 75-71-8 | 1,900 N | 8,000 | N | 9,100 | N |
| DICHLOROETHANE, 1,1- | 75-34-3 | 280 N | 1,400 | N | 1,600 | N |
| DICHLOROETHANE, 1,2- | 107-06-2 | 17 N | [86] 85 | N | 98 | N |
| DICHLOROETHYLENE, 1,1- | 75-35-4 | 3,800 N | 10,000 | C | 10,000 | C |
| DICHLOROETHYLENE, CIS-1,2- | 156-59-2 | 440 G | 6,400 | G | 10,000 | C |
| DICHLOROETHYLENE, TRANS-1,2- | 156-60-5 | [1,100] [N] 4,400 G | [4,800] [N] 10,000 C | | [5,500] [N] 10,000 C | |
| DICHLOROMETHANE (METHYLENE CHLORIDE) | 75-09-2 | 1,300 G | 10,000 | C | 10,000 | C |
| DICHLOROPHENOL, 2,4- | 120-83-2 | 660 G | 9,600 | G | 190,000 | C |
| DICHLOROPHENOXYACETIC ACID, 2,4- (2,4-D) | 94-75-7 | 2,200 G | 32,000 | G | 190,000 | C |
| DICHLOROPROPANE, 1,2- | 78-87-5 | [45] 0.12 N | [220] 0.6 N | | [260] N 0.69 | |
| DICHLOROPROPENE, 1,3- | 542-75-6 | 110 N | 560 | N | 640 | N |
| DICHLOROPROPIONIC ACID, 2,2- (DALAPON) | 75-99-0 | 6,600 G | 10,000 | C | 10,000 | C |
| DICHLORVOS | 62-73-7 | 64 G | 310 | G | 10,000 | C |
| DICYCLOPENTADIENE | 77-73-6 | [6] 5.7 N | 24 | N | 27 | N |
| DIELDRIN | 60-57-1 | 1.2 G | [6] 5.7 G | | 190,000 | C |
| DIETHANOLAMINE | 111-42-2 | 440 G | 6,400 | G | 10,000 | C |
| DIETHYL PHTHALATE | 84-66-2 | 10,000 C | 10,000 | C | 10,000 | C |
| DIFLUBENZURON | 35367-38-5 | 4,400 G | 64,000 | G | 190,000 | C |
| DIISOPROPYL METHYLPHOSPHONATE | 1445-75-6 | 10,000 C | 10,000 | C | 10,000 | C |
| DIMETHOATE | 60-51-5 | [44] 480 G | [40] 7,000 G | | 190,000 | C |
| DIMETHOXYBENZIDINE, 3,3- | 119-90-4 | [1,300] 12 G | [6,500] 57 G | | 190,000 | C |
| DIMETHRIN | 70-38-2 | 66,000 G | 190,000 | C | 190,000 | C |
| DIMETHYLAMINOAZOBENZENE, P- | 60-11-7 | 4 G | 20 | G | 190,000 | C |
| DIMETHYLANILINE, N,N- | 121-69-7 | 440 G | [6,400] 3,400 | G | 10,000 | C |
| DIMETHYLBENZIDINE, 3,3- | 119-93-7 | 1.7 G | 8.3 | G | 190,000 | C |
| DIMETHYL METHYLPHOSPHONATE | 756-79-6 | 10,000 C | 10,000 | C | 10,000 | C |
| DIMETHYLPHENOL, 2,4- | 105-67-9 | 4,400 G | 10,000 | C | 10,000 | C |
| DINITROBENZENE, 1,3- | 99-65-0 | 22 G | 320 | G | 190,000 | C |
| DINITROPHENOL, 2,4- | 51-28-5 | 440 G | 6,400 | G | 190,000 | C |
| DINITROTOLUENE, 2,4- | 121-14-2 | 60 G | 290 | G | 190,000 | C |
| DINITROTOLUENE, 2,6- (2,6-DNT) | 606-20-2 | 12 G | 61 | G | 190,000 | C |
| DINOSEB | 88-85-7 | 220 G | 3,200 | G | 190,000 | C |
| DIOXANE, 1,4- | 123-91-1 | [58] 89 N | [290] 440 N | | [330] 510 N | |
| DIPHENAMID | 957-51-7 | 6,600 G | 96,000 | G | 190,000 | C |
| DIPHENYLAMINE | 122-39-4 | [5,500] 22,000 | [80,000] 190,000 | [G] C | 190,000 | C |
| DIPHENYLHYDRAZINE, 1,2- | 122-66-7 | [23] 2.1 [G] N | [110] 10 [G] N | | [190,000] [C] 12 N | |
| DIQUAT | 85-00-7 | 480 G | 7,000 | G | 190,000 | C |
| DISULFOTON | 298-04-4 | 8.8 G | 130 | G | 10,000 | C |
| DITHIANE, 1,4- | 505-29-3 | 2,200 G | 32,000 | G | 190,000 | C |
| DIURON | 330-54-1 | 440 G | 6,400 | G | 190,000 | C |
| ENDOSULFAN | 115-29-7 | 1,300 G | 19,000 | G | 190,000 | C |
| ENDOSULFAN I (ALPHA) | 959-98-8 | 1,300 G | 19,000 | G | 190,000 | C |
| ENDOSULFAN II (BETA) | 33213-65-9 | 1,300 G | 19,000 | G | 190,000 | C |
| ENDOSULFAN SULFATE | 1031-07-8 | 1,300 G | 19,000 | G | 190,000 | C |
| ENDOTHALL | 145-73-3 | 4,400 G | 64,000 | G | 190,000 | C |
| ENDRIN | 72-20-8 | 66 G | 960 | G | 190,000 | C |
| EPICHLOROHYDRIN | 106-89-8 | 19 N | 79 | N | 91 | N |

All concentrations **[ns]** in mg/kg
G – Ingestion
N- Inhalation
C- Cap

Appendix A
Table 3 – Medium-Specific Concentrations (MSCs) for Organic Regulated Substances in Soil
A. Direct Contact Numeric Values

| REGULATED SUBSTANCE | CASRN | Residential 0-15 feet | Nonresidential | |
|--|------------|---|--|----------------------------------|
| | | | Surface Soil 0-2 feet | Subsurface Soil 2-15 feet |
| ETHEPHON | 16672-87-0 | 1,100 G | 16,000 G | 190,000 C |
| ETHION | 563-12-2 | 110 G | 1,600 G | 10,000 C |
| ETHOXYETHANOL, 2- (EGEE) | 110-80-5 | [3,900] 3,800 N | 10,000 C | 10,000 C |
| ETHYL ACETATE | 141-78-6 | 1,300 N | [5,600] 5,500 N | [6,400] 6,300 N |
| ETHYL ACRYLATE | 140-88-5 | 150 N | [640] 630 N | [730] 720 N |
| ETHYL BENZENE | 100-41-4 | 180 N | [890] 880 N | 1,000 N |
| ETHYL DIPROPYLTHIOCARBAMATE, S- (EPTC) | 759-94-4 | [5,500] [G] 10,000 C | 10,000 C | 10,000 C |
| ETHYL ETHER | 60-29-7 | 10,000 C | 10,000 C | 10,000 C |
| ETHYL METHACRYLATE | 97-63-2 | 5,700 N | 10,000 C | 10,000 C |
| ETHYLENE CHLORHYDRIN | 107-07-3 | 4,400 G | 10,000 C | 10,000 C |
| ETHYLENE GLYCOL | 107-21-1 | [7,700] 7,600 N | 10,000 C | 10,000 C |
| ETHYLENE THIOUREA (ETU) | 96-45-7 | 18 G | 260 G | 190,000 C |
| ETHYLP-NITROPHENYL PHENYLPHOSPHOROTHIOATE | 2104-64-5 | 2.2 G | 32 G | 190,000 C |
| FENAMIPHOS | 22224-92-6 | 55 G | 800 G | 190,000 C |
| FENVALERATE (PYDRIN) | 51630-58-1 | 5,500 G | 10,000 C | 10,000 C |
| FLUOMETURON | 2164-17-2 | 2,900 G | 42,000 G | 190,000 C |
| FLUORANTHENE | 206-44-0 | 8,800 G | 130,000 G | 190,000 C |
| FLUORENE | 86-73-7 | 8,800 G | 130,000 G | 190,000 C |
| FLUOROTRICHLOROMETHANE (FREON 11) | 75-69-4 | 10,000 C | 10,000 C | 10,000 C |
| FONOFOS | 944-22-9 | 440 G | 6,400 G | 10,000 C |
| FORMALDEHYDE | 50-00-0 | 34 N | 170 N | 200 N |
| FORMIC ACID | 64-18-6 | [6] 5.7 N | 24 N | 27 N |
| FOSETYL-AL | 39148-24-8 | 190,000 C | 190,000 C | 190,000 C |
| FURAN | 110-00-9 | 220 G | 3,200 G | 10,000 C |
| FURFURAL | 98-01-1 | [660] 530 G | [4,000] [N] 2,600 G | 4,500 N |
| GLYPHOSATE | 1071-83-6 | 22,000 G | 190,000 C | 190,000 C |
| HEPTACHLOR | 76-44-8 | [4] 4.1 G | 20 G | 190,000 C |
| HEPTACHLOR EPOXIDE | 1024-57-3 | 2 G | 10 G | 190,000 C |
| HEXACHLOROBENZENE | 118-74-1 | 12 G | 57 G | 190,000 C |
| HEXACHLOROBUTADIENE | 87-68-3 | 220 G | 1,200 G | 10,000 C |
| HEXACHLOROCYCLOPENTADIENE | 77-47-4 | 1,300 G | 10,000 C | 10,000 C |
| HEXACHLOROETHANE | 67-72-1 | [44] 46 N | [220] 230 N | [260] 270 N |
| HEXANE | 110-54-3 | 10,000 C | 10,000 C | 10,000 C |
| HEXAZINONE | 51235-04-2 | 7,300 G | 110,000 G | 190,000 C |
| HEXYTHIAZOX (SAVEY) | 78587-05-0 | 5,500 G | 80,000 G | 190,000 C |
| HMX | 2691-41-0 | 11,000 G | 160,000 G | 190,000 C |
| HYDRAZINE/HYDRAZINE SULFATE | 302-01-2 | [0.09] 0.091 N | 0.45 N | 0.52 N |
| HYDROQUINONE | 123-31-9 | 310 G | 1,500 G | 190,000 C |
| INDENO[1,2,3-CD]PYRENE | 193-39-5 | 3.5 G | 76 G | 190,000 C |
| IPRODIONE | 36734-19-7 | [8,800] 420 G | [130,000] 2,100 G | 190,000 C |
| ISOBUTYL ALCOHOL | 78-83-1 | 10,000 C | 10,000 C | 10,000 C |
| ISOPHORONE | 78-59-1 | 10,000 C | 10,000 C | 10,000 C |
| ISOPROPYL METHYLPHOSPHONATE | 1832-54-8 | 10,000 C | 10,000 C | 10,000 C |
| KEPONE | 143-50-0 | 1.9 G | 9.1 G | 190,000 C |

All concentrations **[ns]** in mg/kg

G – Ingestion

N- Inhalation

C- Cap

Appendix A
Table 3 – Medium-Specific Concentrations (MSCs) for Organic Regulated Substances in Soil
A. Direct Contact Numeric Values

| REGULATED SUBSTANCE | CASRN | Residential 0-15 feet | Nonresidential | | | |
|---------------------------------------|------------|--------------------------|-----------------------------|----------|---------------------------------|----------|
| | | | Surface Soil 0-2 feet | | Subsurface Soil 2-15 feet | |
| MALATHION | 121-75-5 | 4,400 G | 10,000 | C | 10,000 | C |
| MALEIC HYDRAZIDE | 123-33-1 | 110,000 G | 190,000 | C | 190,000 | C |
| MANEB | 12427-38-2 | [1,100] 310 G | [16,000] 1,500 G | G | 190,000 | C |
| MERPHOS OXIDE | 78-48-8 | [6.6] 220 G | [96] 3,200 G | G | 10,000 | C |
| METHACRYLONITRILE | 126-98-7 | 22 G | 320 G | G | [2,800] 2,700 N | N |
| METHAMIDOPHOS | 10265-92-6 | 11 G | 160 G | G | 190,000 | C |
| METHANOL | 67-56-1 | 10,000 C | 10,000 C | C | 10,000 | C |
| METHOMYL | 16752-77-5 | 5,500 G | 80,000 G | G | 190,000 | C |
| METHOXYCHLOR | 72-43-5 | 1,100 G | 16,000 G | G | 190,000 | C |
| METHOXYETHANOL, 2- | 109-86-4 | 380 N | 1,600 N | N | 1,800 | N |
| METHYL ACETATE | 79-20-9 | 10,000 C | 10,000 C | C | 10,000 | C |
| METHYL ACRYLATE | 96-33-3 | 380 N | 1,600 N | N | 1,800 | N |
| METHYL CHLORIDE | 74-87-3 | 250 N | 1,200 N | N | 1,400 | N |
| METHYL ETHYL KETONE | 78-93-3 | 10,000 C | 10,000 C | C | 10,000 | C |
| METHYL HYDRAZINE | 60-34-4 | 0.38 N | 1.6 N | N | 1.8 | N |
| METHYL ISOBUTYL KETONE | 108-10-1 | 10,000 C | 10,000 C | C | 10,000 | C |
| METHYL ISOCYANATE | 624-83-9 | 19 N | 79 N | N | 91 | N |
| METHYL N-BUTYL KETONE (2-HEXANONE) | 591-78-6 | 570 N | 2,400 N | N | [2,800] 2,700 N | N |
| METHYL METHACRYLATE | 80-62-6 | 10,000 C | 10,000 C | C | 10,000 | C |
| METHYL METHANESULFONATE | 66-27-3 | 190 G | 920 G | G | 10,000 | C |
| METHYL PARATHION | 298-00-0 | 55 G | 800 G | G | 190,000 | C |
| METHYL STYRENE (MIXED ISOMERS) | 25013-15-4 | [770] 760 N | [3,200] 3,100 N | N | 3,600 | N |
| METHYL TERT-BUTYL ETHER (MTBE) | 1634-04-4 | 1,700 N | [8,600] 8,500 N | N | [9,900] 9,800 N | N |
| METHYLCHLOROPHENOXYACETIC ACID (MCPA) | 94-74-6 | 110 G | 1,600 C | C | 190,000 | C |
| METHYLENE BIS(2-CHLOROANILINE), 4,4'- | 101-14-4 | 42 G | 910 G | G | 190,000 | C |
| METHYLNAPHTHALENE, 2- | 91-57-6 | [880] 57 [G] N | [13,000] 240 [G] N | [G] N | [190,000] 270 [C] N | [C] N |
| METHYLSTYRENE, ALPHA | 98-83-9 | 10,000 C | 10,000 C | C | 10,000 | C |
| METOLACHLOR | 51218-45-2 | 10,000 C | 10,000 C | C | 10,000 | C |
| METRIBUZIN | 21087-64-9 | 5,500 G | 80,000 G | G | 190,000 | C |
| MEVINPHOS | 7786-34-7 | 5.5 G | 80 G | G | 190,000 | C |
| MONOCHLOROACETIC ACID | 79-11-8 | 440 G | 6,400 G | G | 190,000 | C |
| NAPHTHALENE | 91-20-3 | [160] 13 [G] N | [760] 66 [G] N | [G] N | [190,000] 77 [C] N | [C] N |
| NAPHTHYLAMINE, 1- | 134-32-7 | 10 G | 51 G | G | 190,000 | C |
| NAPHTHYLAMINE, 2- | 91-59-8 | 10 G | 51 G | G | 190,000 | C |
| NAPROPAMIDE | 15299-99-7 | [22,000] 26,000 G | 190,000 | C | 190,000 | C |
| NITROANILINE, O- | 88-74-4 | [2,200] 0.95 [G] N | [32,000] 3.9 [G] N | [G] N | [190,000] 4.5 [C] N | [C] N |
| NITROANILINE, P- | 100-01-6 | 880 G | 4,600 G | G | 190,000 | C |
| NITROBENZENE | 98-95-3 | [440] 11 [G] N | [6,400] 55 [G] N | [G] N | [10,000] 63 [C] N | [C] N |
| NITROGUANIDINE | 556-88-7 | 22,000 G | 190,000 C | C | 190,000 | C |
| NITROPHENOL, 2- | 88-75-5 | 1,800 G | 26,000 G | G | 190,000 | C |
| NITROPHENOL, 4- | 100-02-7 | 1,800 G | 26,000 G | G | 190,000 | C |
| NITROPROPANE, 2- | 79-46-9 | 0.16 N | 0.82 N | N | 0.94 | N |

All concentrations [ns] in mg/kg
G – Ingestion
N- Inhalation
C- Cap

Appendix A

Table 3 – Medium-Specific Concentrations (MSCs) for Organic Regulated Substances in Soil
A. Direct Contact Numeric Values

| REGULATED SUBSTANCE | CASRN | Residential 0-15 feet | Nonresidential | | | |
|---|---------------------|-------------------------------|---------------------------------|---------------------------------|---------------------------------|---|
| | | | Surface Soil 0-2 feet | | Subsurface Soil 2-15 feet | |
| NITROSODIETHYLAMINE, N- | 55-18-5 | 0.0041 N | 0.051 | N | 0.059 | N |
| NITROSODIMETHYLAMINE, N- | 62-75-9 | 0.012 N | 0.16 | N | 0.18 | N |
| NITROSO-DI-N-BUTYLAMINE, N- | 924-16-3 | [3.4] 0.28 [G] N | [17] 1.4 [G] N | [10,000] [C] 1.6 N | | |
| NITROSODI-N-PROPYLAMINE, N- | 621-64-7 | [2.7] 0.22 [G] N | [13] 1.1 [G] N | [10,000] [C] 1.3 N | | |
| NITROSODIPHENYLAMINE, N- | 86-30-6 | [3,800] [G] 170 N | [19,000] [G] 860 N | [190,000] [C] 990 N | | |
| NITROSO-N-ETHYLUREA, N- | 759-73-9 | 0.16 G | 3.4 G | 190,000 C | | |
| OCTYL PHTHALATE, DI-N- | 117-84-0 | 2,200 G | 10,000 C | 10,000 C | | |
| OXAMYL (VYDATE) | 23135-22-0 | 5,500 G | 80,000 G | 190,000 C | | |
| PARAQUAT | 1910-42-5 | 990 G | 14,000 G | 190,000 C | | |
| PARATHION | 56-38-2 | [1,300] G 6.6 | [10,000] [C] 96 G | 10,000 C | | |
| PCBs, TOTAL (POLYCHLORINATED BIPHENYLS) (AROCLORS) | 1336-36-3 | 9.3 G | 46 G | 190,000 C | | |
| [PCB-1016 (AROCLOR)] | [12674-11-2] | [9] [G] | [46] [G] | [10,000] [C] | | |
| [PCB-1221 (AROCLOR)] | [11104-28-2] | [9] [G] | [46] [G] | [10,000] [C] | | |
| [PCB-1232 (AROCLOR)] | [11141-16-5] | [9] [G] | [46] [G] | [10,000] [C] | | |
| [PCB-1242 (AROCLOR)] | [53469-21-9] | [9] [G] | [46] [G] | [10,000] [C] | | |
| [PCB-1248 (AROCLOR)] | [12672-29-6] | [9.3] [G] | [46] [G] | [10,000] [C] | | |
| [PCB-1254 (AROCLOR)] | [11097-69-1] | [4.4] [G] | [46] [G] | [10,000] [C] | | |
| [PCB-1260 (AROCLOR)] | [11096-82-5] | [9] [G] | [46] [G] | [190,000] [C] | | |
| PEBULATE | 1114-71-2 | 10,000 C | 10,000 C | 10,000 C | | |
| PENTACHLORO BENZENE | 608-93-5 | 180 G | 2,600 G | 190,000 C | | |
| PENTACHLOROETHANE | 76-01-7 | 210 G | 1,000 G | 10,000 C | | |
| PENTACHLORONITROBENZENE | 82-68-8 | 72 G | 350 G | 190,000 C | | |
| PENTACHLOROPHENOL | 87-86-5 | 47 G | 230 G | 190,000 C | | |
| PERFLUOROBUTANE SULFONATE (PFBS) | 375-73-5 | 4,400 G | 10,000 C | 10,000 C | | |
| PERFLUOROCTANE SULFONATE (PFOS) | 1763-23-1 | 4.4 G | 64 G | 190,000 C | | |
| PERFLUOROCTANOIC ACID (PFOA) | 335-67-1 | 4.4 G | 64 G | 190,000 C | | |
| PHENACETIN | 62-44-2 | 8,500 G | 41,000 G | 190,000 C | | |
| PHENANTHRENE | 85-01-8 | 66,000 G | 190,000 C | 190,000 C | | |
| PHENOL | 108-95-2 | 3,800 N | 16,000 N | 18,000 N | | |
| PHENYL MERCAPTAN | 108-98-5 | 220 G | 3,200 G | 10,000 C | | |
| PHENYLENEDIAMINE, M- | 108-45-2 | 1,300 G | 19,000 G | 190,000 C | | |
| PHENYLPHENOL, 2- | 90-43-7 | [9,800] G 9,600 | [48,000] G 47,000 | 190,000 C | | |
| PHORATE | 298-02-2 | 44 G | 640 G | 10,000 C | | |
| PHTHALIC ANHYDRIDE | 85-44-9 | [190,000] [C] 380 N | [190,000] [C] 1,600 N | [190,000] [C] 1,800 N | | |
| PICLORAM | 1918-02-1 | 15,000 G | 190,000 C | 190,000 C | | |
| PROMETON | 1610-18-0 | 3,300 G | 48,000 G | 190,000 C | | |
| PRONAMIDE | 23950-58-5 | 17,000 G | 190,000 C | 190,000 C | | |
| PROPACHLOR | 1918-16-7 | 2,900 G | 42,000 G | 190,000 C | | |
| PROPANIL | 709-98-8 | 1,100 G | 16,000 G | 190,000 C | | |
| PROPANOL, 2- (ISOPROPYL ALCOHOL) | 67-63-0 | 3,800 N | 10,000 C | 10,000 C | | |
| PROPAZINE | 139-40-2 | 4,400 G | 10,000 C | 10,000 C | | |
| PROPHAM | 122-42-9 | 4,400 G | 64,000 G | 190,000 C | | |
| PROPYLBENZENE, N- | 103-65-1 | 10,000 C | 10,000 C | 10,000 C | | |
| PROPYLENE OXIDE | 75-56-9 | 78 G | 380 G | 690 N | | |
| PYRENE | 129-00-0 | 6,600 G | 96,000 G | 190,000 C | | |

All concentrations **[ns]** in mg/kg

G – Ingestion

N- Inhalation

C- Cap

Appendix A
Table 3 – Medium-Specific Concentrations (MSCs) for Organic Regulated Substances in Soil
A. Direct Contact Numeric Values

| REGULATED SUBSTANCE | CASRN | Residential 0-15 feet | Nonresidential | |
|---|------------|--------------------------|-----------------------------|---------------------------------|
| | | | Surface Soil 0-2 feet | Subsurface Soil 2-15 feet |
| PYRIDINE | 110-86-1 | 220 G | 3,200 G | 10,000 C |
| QUINOLINE | 91-22-5 | [6] 6.2 G | 30 G | 10,000 C |
| QUIZALOFOP (ASSURE) | 76578-14-8 | 2,000 G | 29,000 G | 190,000 C |
| RDX | 121-82-4 | [170] 230 G | [830] 1,100 G | 190,000 C |
| RESORCINOL | 108-46-3 | 190,000 C | 190,000 C | 190,000 C |
| RONNEL | 299-84-3 | 11,000 G | 160,000 G | 190,000 C |
| SIMAZINE | 122-34-9 | 160 G | 760 G | 190,000 C |
| STRYCHNINE | 57-24-9 | 66 G | 960 G | 190,000 C |
| STYRENE | 100-42-5 | 10,000 C | 10,000 C | 10,000 C |
| TEBUTHIURON | 34014-18-1 | 15,000 G | 190,000 C | 190,000 C |
| TERBACIL | 5902-51-2 | 2,900 G | 42,000 G | 190,000 C |
| TERBUFOS | 13071-79-9 | 5.5 G | 80 G | 10,000 C |
| TETRACHLORO BENZENE, 1,2,4,5- | 95-94-3 | 66 G | 960 G | 190,000 C |
| TETRACHLORODIBENZO-P-DIOXIN, 2,3,7,8- (TCDD) | 1746-01-6 | 0.00014 G | 0.0007 G | 190,000 C |
| TETRACHLOROETHANE, 1,1,1,2- | 630-20-6 | 60 N | 300 N | 340 N |
| TETRACHLOROETHANE, 1,1,2,2- | 79-34-5 | [7.7] 7.6 N | 38 N | 44 N |
| TETRACHLOROETHYLENE (PCE) | 127-18-4 | [770] 760 N | 3,200 N | 3,600 N |
| TETRACHLOROPHENOL, 2,3,4,6- | 58-90-2 | 6,600 G | 96,000 G | 190,000 C |
| TETRAETHYL LEAD | 78-00-2 | 0.022 G | 0.32 G | 10,000 C |
| TETRAETHYLDITHIOPYROPHOSPHATE | 3689-24-5 | 110 G | 1,600 G | 10,000 C |
| TETRAHYDROFURAN | 109-99-9 | [240] 230 N | [1,200] 1,100 N | [1,400] 1,300 N |
| THIOFANOX | 39196-18-4 | 66 G | 960 G | 190,000 C |
| THIRAM | 137-26-8 | [1,100] 3,300 G | [16,000] 48,000 G | 190,000 C |
| TOLUENE | 108-88-3 | 10,000 C | 10,000 C | 10,000 C |
| TOLUIDINE, M- | 108-44-1 | 1,200 G | 5,700 G | 10,000 C |
| TOLUIDINE, O- | 95-53-4 | 1,200 G | 5,700 G | 10,000 C |
| TOLUIDINE, P- | 106-49-0 | 620 G | 3,000 G | 190,000 C |
| TOXAPHENE | 8001-35-2 | 17 G | 83 G | 190,000 C |
| TRIALATE | 2303-17-5 | [2,900] 26 G | [10,000] 130 [C] G | 10,000 C |
| TRIBROMOMETHANE (BROMOFORM) | 75-25-2 | [410] 400 N | 2,000 N | 2,300 N |
| TRICHLORO-1,2,2-TRIFLUOROETHANE, 1,1,2- | 76-13-1 | 10,000 C | 10,000 C | 10,000 C |
| TRICHLOROACETIC ACID | 76-03-9 | 270 G | 1,300 G | 190,000 C |
| TRICHLORO BENZENE, 1,2,4- | 120-82-1 | [640] 39 [G] N | [3,100] 160 [G] N | [10,000] 190 [C] N |
| TRICHLORO BENZENE, 1,3,5- | 108-70-3 | [1,300] 46 [G] N | [19,000] 190 [G] N | [190,000] 230 [C] N |
| TRICHLOROETHANE, 1,1,1- | 71-55-6 | 10,000 C | 10,000 C | 10,000 C |
| TRICHLOROETHANE, 1,1,2- | 79-00-5 | [4] 3.8 N | 16 N | 18 N |
| TRICHLOROETHYLENE (TCE) | 79-01-6 | 38 N | 160 N | 180 N |
| TRICHLOROPHENOL, 2,4,5- | 95-95-4 | 22,000 G | 190,000 C | 190,000 C |
| TRICHLOROPHENOL, 2,4,6- | 88-06-2 | 220 G | 3,200 G | 190,000 C |
| TRICHLOROPHENOXYACETIC ACID, 2,4,5- (2,4,5-T) | 93-76-5 | 2,200 G | 32,000 G | 190,000 C |
| TRICHLOROPHENOXYPROPIONIC ACID, 2,4,5- (2,4,5-TP)(SILVEX) | 93-72-1 | 1,800 G | 26,000 G | 190,000 C |
| TRICHLOROPROPANE, 1,1,2- | 598-77-6 | 1,100 G | 10,000 C | 10,000 C |
| TRICHLOROPROPANE, 1,2,3- | 96-18-4 | 0.14 G | 3.0 G | [28] 27 N |
| TRICHLOROPROPENE, 1,2,3- | 96-19-5 | 5.7 N | 24 N | 27 N |
| TRIETHYLAMINE | 121-44-8 | 130 N | [560] 550 N | [640] 630 N |

All concentrations [ns] in mg/kg
G – Ingestion
N- Inhalation
C- Cap

Appendix A
Table 3 – Medium-Specific Concentrations (MSCs) for Organic Regulated Substances in Soil
A. Direct Contact Numeric Values

| REGULATED SUBSTANCE | CASRN | Residential 0-15 feet | Nonresidential | | | |
|--|------------|--|---|---|---|---|
| | | | Surface Soil 0-2 feet | | Subsurface Soil 2-15 feet | |
| TRIETHYLENE GLYCOL | 112-27-6 | 10,000 C | 10,000 C | 10,000 C | 10,000 C | 10,000 C |
| TRIFLURALIN | 1582-09-8 | 1,700 G | 12,000 G | 12,000 G | 190,000 C | 190,000 C |
| TRIMETHYLBENZENE, 1,3,4- (TRIMETHYLBENZENE, 1,2,4-) | 95-63-6 | [130] N 1,100 | [560] N 4,700 | [560] N 4,700 | [640] N 5,400 | [640] N 5,400 |
| TRIMETHYLBENZENE, 1,3,5- | 108-67-8 | [2,200] [G] 1,100 N | [10,000] [C] 4,700 N | [10,000] [C] 4,700 N | [10,000] [C] 5,400 N | [10,000] [C] 5,400 N |
| TRINITROGLYCEROL (NITROGLYCERIN) | 55-63-0 | 22 G | 320 G | 320 G | 10,000 C | 10,000 C |
| TRINITROTOLUENE, 2,4,6- | 118-96-7 | 110 G | 1,600 G | 1,600 G | 190,000 C | 190,000 C |
| VINYL ACETATE | 108-05-4 | [3,900] N 3,800 | 10,000 C | 10,000 C | 10,000 C | 10,000 C |
| VINYL BROMIDE (BROMOETHENE) | 593-60-2 | 14 N | 70 N | 70 N | 80 N | 80 N |
| VINYL CHLORIDE | 75-01-4 | [0.9] 0.93 G | 61 G | 61 G | [280] 290 N | [280] 290 N |
| WARFARIN | 81-81-2 | 66 G | 960 G | 960 G | 190,000 C | 190,000 C |
| XYLENES (TOTAL) | 1330-20-7 | 1,900 N | [8,000] N 7,900 | [8,000] N 7,900 | 9,100 N | 9,100 N |
| ZINEB | 12122-67-7 | 11,000 G | 160,000 G | 160,000 G | 190,000 C | 190,000 C |

All concentrations **[ns]** in mg/kg

G – Ingestion

N- Inhalation

C- Cap