

**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	[170,000] [G] 190,000 C	190,000 C
ACENAPHTHYLENE	208-96-8	13,000 G	[170,000] [G] 190,000 C	190,000 C
ACEPHATE	30560-19-1	880 G	[9,100] G 10,000	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 N	5,500 N
ACETOPHENONE	98-86-2	10,000 C	10,000 C	10,000 C
ACETYLAMINOFLUORENE, 2- (2AAF)	53-96-3	[4.7] 4.9 G	[21] 24 G	190,000 C
ACROLEIN	107-02-8	0.38 N	1.6 N	1.8 N
ACRYLAMIDE	79-06-1	[0.34] 1.7 N	[1.7] 22 N	[2] 26 N
ACRYLIC ACID	79-10-7	19 N	79 N	91 N
ACRYLONITRILE	107-13-1	6.6 N	33 N	38 N
ALACHLOR	15972-60-8	[320] 330 G	[1,400] G 1,600	190,000 C
ALDICARB	116-06-3	220 G	[2,800] G 3,200	190,000 C
ALDICARB SULFONE	1646-88-4	220 G	[2,800] G 3,200	190,000 C
ALDICARB SULFOXIDE	1646-87-3	220 G	[2,800] G 3,200	190,000 C
ALDRIN	309-00-2	1.1 G	5.4 G	190,000 C
ALLYL ALCOHOL	107-18-6	[5.7] 1.9 N	[24] 8 N	[27] 9.1 N
AMETRYN	834-12-8	2,000 G	[25,000] G 29,000	190,000 C
AMINOBIIPHENYL, 4-	92-67-1	[0.85] G 0.89	[3.8] 4.3 G	190,000 C
AMITROLE	61-82-5	[19] 20 G	[84] 97 G	190,000 C
AMMONIA	7664-41-7	1,900 N	8,000 N	9,100 N
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	[78] 81 G	[340] 400 G	190,000 C
AZINPHOS-METHYL (GUTHION)	86-50-0	660 G	[8,400] G 9,600	190,000 C
BAYGON (PROPOXUR)	114-26-1	880 G	[11,000] G 13,000	190,000 C
BENOMYL	17804-35-2	11,000 G	[140,000] G 160,000	190,000 C
BENTAZON	25057-89-0	6,600 G	[84,000] G 96,000	190,000 C
BENZENE	71-43-2	57 N	290 N	330 N
BENZIDINE	92-87-5	0.018 G	[0.34] 0.4 G	190,000 C
BENZO[A]ANTHRACENE	56-55-3	[5.7] 6 G	[110] 130 G	190,000 C
BENZO[A]PYRENE	50-32-8	[0.57] G 0.58	[11] 12 G	190,000 C
BENZO[B]FLUORANTHENE	205-99-2	[5.7] 5.8 G	[110] 120 G	190,000 C
BENZO[GHI]PERYLENE	191-24-2	13,000 G	[170,000] [G] 190,000 C	190,000 C
BENZO[K]FLUORANTHENE	207-08-9	[57] 58 G	[1,100] G 1,200	190,000 C

All concentrations in mg/kg

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BENZOIC ACID	65-85-0	190,000 C	190,000 C	190,000 C
BENZOTRICHLORIDE	98-07-7	1.4 G	[6.1] 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 N	0.64 N
BHC, ALPHA	319-84-6	[2.8] 3 G	[13] 14 G	190,000 C
BHC, BETA-	319-85-7	[9.9] 10 G	[44] 51 G	190,000 C
BHC, GAMMA (LINDANE)	58-89-9	[16] 17 G	[72] 83 G	190,000 C
BIPHENYL, 1,1-	92-52-4	[11,000] 2,300 G	[140,000] 11,000 G	190,000 C
BIS(2-CHLOROETHOXY)METHANE	111-91-1	660 G	[8,400] 9,600 G	10,000 C
BIS(2-CHLOROETHYL)ETHER	111-44-4	1.3 N	6.7 N	7.7 N
BIS(2-CHLORO-ISOPROPYL)ETHER	108-60-1	44 N	220 N	250 N
BIS(CHLOROMETHYL)ETHER	542-88-1	0.0072 N	0.036 N	0.041 N
BIS[2-ETHYLHEXYL] PHTHALATE	117-81-7	1,300 G	[5,700] 6,500 G	10,000 C
BISPHENOL A	80-05-7	11,000 G	[140,000] 160,000 G	190,000 C
BROMACIL	314-40-9	22,000 G	190,000 C	190,000 C
BROMOCHLOROMETHANE	74-97-5	[2,200] [G] 770 N	[10,000] [C] 3,200 N	[10,000] [C] 3,600 N
BROMODICHLOROMETHANE	75-27-4	12 N	60 N	69 N
BROMOMETHANE	74-83-9	96 N	400 N	460 N
BROMOXYNIL	1689-84-5	4,400 G	[56,000] 64,000 G	190,000 C
BROMOXYNIL OCTANOATE	1689-99-2	4,400 G	[56,000] 64,000 G	190,000 C
BUTADIENE, 1,3-	106-99-0	[5.3] 5.5 G	[23] 27 G	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	[8,800] [G] 10,000 C	10,000 C	10,000 C
BUTYLBENZENE, SEC-	135-98-8	[8,800] [G] 10,000 C	10,000 C	10,000 C
BUTYLBENZENE, TERT-	98-06-6	[8,800] [G] 10,000 C	10,000 C	10,000 C
BUTYLBENZYL PHTHALATE	85-68-7	[9,400] 9,800 G	10,000 C	10,000 C
CAPTAN	133-06-2	[7,800] 8,100 G	[34,000] 40,000 G	190,000 C
CARBARYL	63-25-2	22,000 G	190,000 C	190,000 C
CARBAZOLE	86-74-8	[900] 930 G	[4,000] 4,600 G	190,000 C
CARBOFURAN	1563-66-2	1,100 G	[14,000] 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	[30] 74 N	[150] 370 N	[170] 430 N
CARBOXIN	5234-68-4	22,000 G	190,000 C	190,000 C
CHLORAMBEN	133-90-4	3,300 G	[42,000] 48,000 G	190,000 C
CHLORDANE	57-74-9	[51] 53 G	[230] 260 G	190,000 C
CHLORO-1,1-DIFLUOROETHANE, 1-	75-68-3	10,000 C	10,000 C	10,000 C

All concentrations in mg/kg

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REGULATED SUBSTANCE	CASRN	Residential 0-15 feet	Nonresidential	
			Surface Soil 0-2 feet	Subsurface Soil 2-15 feet
CHLORO-1-PROPENE, 3- (ALLYL CHLORIDE)	107-05-1	19 N	80 N	91 N
<b>CHLOROACETALDEHYDE</b>	<b>107-20-0</b>	<b>62 G</b>	<b>300 G</b>	<b>10,000 C</b>
CHLOROACETOPHENONE, 2-	532-27-4	190,000 C	190,000 C	190,000 C
CHLOROANILINE, P-	106-47-8	<b>[90] 93</b> G	<b>[400] 460</b> G	190,000 C
CHLOROBENZENE	108-90-7	960 N	4,000 N	4,600 N
CHLOROBENZILATE	510-15-6	<b>[160] 170</b> G	<b>[720] 830</b> G	190,000 C
CHLOROBUTANE, 1-	109-69-3	8,800 G	10,000 C	10,000 C
CHLORODIBROMOMETHANE	124-48-1	17 N	82 N	95 N
CHLORODIFLUOROMETHANE	75-45-6	10,000 C	10,000 C	10,000 C
CHLOROETHANE	75-00-3	<b>[6,200] 6,400</b> G	10,000 C	10,000 C
CHLOROFORM	67-66-3	19 N	97 N	110 N
CHLORONAPHTHALENE, 2-	91-58-7	18,000 G	190,000 C	190,000 C
CHLORONITROBENZENE, P-	100-00-5	220 G	<b>[2,800] 3,200</b> G	190,000 C
CHLOROPHENOL, 2-	95-57-8	1,100 G	10,000 C	10,000 C
CHLOROPRENE	126-99-8	<b>[130] 1.5</b> N	<b>[560] 7.4</b> N	<b>[640] 8.5</b> N
CHLOROPROPANE, 2-	75-29-6	1,900 N	8,000 N	9,100 N
CHLOROTHALONIL	1897-45-6	3,300 G	<b>[26,000] 29,000</b> G	190,000 C
CHLOROTOLUENE, O-	95-49-8	4,400 G	10,000 C	10,000 C
CHLOROTOLUENE, P-	106-43-4	<b>[10,000] 4,400</b> C	10,000 C	10,000 C
CHLORPYRIFOS	2921-88-2	<b>[660] 220</b> G	<b>[8,400] 3,200</b> G	190,000 C
CHLORSULFURON	64902-72-3	11,000 G	<b>[140,000] 160,000</b> G	190,000 C
CHLORTHAL-DIMETHYL (DACTHAL) (DCPA)	1861-32-1	2,200 G	<b>[28,000] 32,000</b> G	190,000 C
CHRYSENE	218-01-9	<b>[570] 580</b> G	<b>[11,000] 12,000</b> G	190,000 C
CRESOL(S)	1319-77-3	1,100 G	10,000 C	10,000 C
CRESOL, 4,6-DINITRO-O-	534-52-1	<b>[22] 18</b> G	<b>[280] 260</b> G	190,000 C
CRESOL, O- (2-METHYLPHENOL)	95-48-7	11,000 G	<b>[140,000] 160,000</b> 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	<b>[14,000] 16,000</b> G	190,000 C
CRESOL, P-CHLORO-M-	59-50-7	<b>[1,100] 22,000</b> G	<b>[14,000] 190,000</b> G	190,000 C
CROTONALDEHYDE	4170-30-3	<b>[9.4] 9.8</b> G	<b>[42] 48</b> G	10,000 C
CROTONALDEHYDE, TRANS-	123-73-9	<b>[9.4] 9.8</b> G	<b>[42] 48</b> G	10,000 C
CUMENE (ISOPROPYL BENZENE)	98-82-8	7,700 N	10,000 C	10,000 C
CYANAZINE	21725-46-2	<b>[21] 22</b> G	<b>[94] 110</b> 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	<b>[70,000] 80,000</b> G	190,000 C
CYROMAZINE	66215-27-8	1,700 G	<b>[21,000] 24,000</b> G	190,000 C
DDD, 4,4'-	72-54-8	<b>[75] 78</b> G	<b>[330] 380</b> G	190,000 C
DDE, 4,4'-	72-55-9	<b>[53] 55</b> G	<b>[230] 270</b> G	190,000 C
DDT, 4,4'-	50-29-3	<b>[53] 55</b> G	<b>[230] 270</b> G	190,000 C

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DI(2-ETHYLHEXYL)ADIPATE	103-23-1	10,000 C	10,000 C	10,000 C
DIALLATE	2303-16-4	<b>[290] 300</b> G	<b>[1,300] 1,500</b> G	10,000 C
DIAMINOTOLUENE, 2,4-	95-80-7	<b>[4.7] 4.9</b> G	<b>[21] 24</b> G	190,000 C
DIAZINON	333-41-5	150 G	<b>[2,000] 2,200</b> G	10,000 C
DIBENZO[A,H]ANTHRACENE	53-70-3	<b>[0.57] 0.58</b> G	<b>[11] 12</b> G	190,000 C
DIBENZOFURAN	132-64-9	220 G	<b>[2,800] 3,200</b> G	190,000 C
DIBROMO-3-CHLOROPROPANE, 1,2-	96-12-8	0.029 N	0.37 N	0.43 N
DIBROMOBENZENE, 1,4-	106-37-6	2,200 G	<b>[28,000] 32,000</b> G	190,000 C
DIBROMOETHANE, 1,2- (ETHYLENE DIBROMIDE)	106-93-4	0.74 N	3.7 N	4.3 N
DIBROMOMETHANE	74-95-3	<b>[2,200] 77</b> [G] [N]	<b>[10,000] 320</b> [C] [N]	<b>[10,000] 370</b> [C] [N]
DIBUTYL PHTHALATE, N-	84-74-2	10,000 C	10,000 C	10,000 C
DICAMBA	1918-00-9	6,600 G	<b>[84,000] 96,000</b> G	190,000 C
DICHLOROACETIC ACID	76-43-6	<b>[880] 370</b> G	<b>[10,000] 1,800</b> [C] [G]	10,000 C
DICHLORO-2-BUTENE, 1,4-	764-41-0	0.11 N	0.53 N	0.61 N
DICHLORO-2-BUTENE, TRANS-1,4-	110-57-6	0.1 N	<b>[1] 0.52</b> N	<b>[1] 0.6</b> N
DICHLOROBENZENE, 1,2-	95-50-1	3,800 N	10,000 C	10,000 C
DICHLOROBENZENE, 1,3-	541-73-1	660 G	<b>[8,400] 9,600</b> G	10,000 C
DICHLOROBENZENE, P-	106-46-7	40 N	200 N	230 N
DICHLOROBENZIDINE, 3,3'-	91-94-1	<b>[40] 41</b> G	<b>[180] 200</b> G	190,000 C
DICHLORODIFLUOROMETHANE (FREON 12)	75-71-8	<b>[3,900] 1,900</b> N	<b>[10,000] 8,000</b> [C] [N]	<b>[10,000] 9,100</b> [C] [N]
DICHLOROETHANE, 1,1-	75-34-3	280 N	1,400 N	1,600 N
DICHLOROETHANE, 1,2-	107-06-2	17 N	86 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	<b>[2,200] 440</b> G	<b>[10,000] 6,400</b> [C] [G]	10,000 C
DICHLOROETHYLENE, TRANS-1,2-	156-60-5	1,100 N	4,800 N	5,500 N
DICHLOROMETHANE (METHYLENE CHLORIDE)	75-09-2	<b>[950] 1,300</b> [N] [G]	<b>[4,700] 10,000</b> [N] [C]	<b>[5,400] 10,000</b> [N] [C]
DICHLOROPHENOL, 2,4-	120-83-2	660 G	<b>[8,400] 9,600</b> G	190,000 C
DICHLOROPHENOXYACETIC ACID, 2,4- (2,4-D)	94-75-7	2,200 G	<b>[28,000] 32,000</b> G	190,000 C
DICHLOROPROPANE, 1,2-	78-87-5	45 N	220 N	260 N
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	<b>[62] 64</b> G	<b>[270] 310</b> G	10,000 C
DICYCLOPENTADIENE	77-73-6	130 N	550 N	630 N
DIENDRIN	60-57-1	<b>[1.1] 1.2</b> G	<b>[5] 6</b> G	190,000 C
DIETHANOLAMINE	111-42-2	10,000 C	10,000 C	10,000 C
DIETHYL PHTHALATE	84-66-2	10,000 C	10,000 C	10,000 C
DIFLUBENZURON	35367-38-5	4,400 G	<b>[56,000] 64,000</b> G	190,000 C
DIISOPROPYL METHYLPHOSPHONATE	1445-75-6	10,000 C	10,000 C	10,000 C

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DIMETHOATE	60-51-5	44 G	[560] <u>640</u> G	190,000 C
DIMETHOXYBENZIDINE, 3,3-	119-90-4	1,300 G	[5,700] <u>6,500</u> G	190,000 C
DIMETHRIN	70-38-2	66,000 G	190,000 C	190,000 C
DIMETHYLAMINOAZOBENZENE, P-	60-11-7	[3.9] <u>4</u> G	[17] <u>20</u> G	190,000 C
DIMETHYLANILINE, N,N-	121-69-7	440 G	[5,600] <u>6,400</u> G	10,000 C
DIMETHYLBENZIDINE, 3,3-	119-93-7	[1.6] <u>1.7</u> G	[7.2] <u>8.3</u> 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	[280] <u>320</u> G	190,000 C
DINITROPHENOL, 2,4-	51-28-5	440 G	[5,600] <u>6,400</u> G	190,000 C
DINITROTOLUENE, 2,4-	121-14-2	[58] <u>60</u> G	[260] <u>290</u> G	190,000 C
DINITROTOLUENE, 2,6- (2,6-DNT)	606-20-2	220 G	[2,800] <u>3,200</u> G	190,000 C
DINOSEB	88-85-7	220 G	[2,800] <u>3,200</u> G	190,000 C
DIOXANE, 1,4-	123-91-1	[58] <u>89</u> N	[290] <u>440</u> N	[330] <u>510</u> N
DIPHENAMID	957-51-7	6,600 G	[84,000] <u>96,000</u> G	190,000 C
DIPHENYLAMINE	122-39-4	5,500 G	[70,000] <u>80,000</u> G	190,000 C
DIPHENYLHYDRAZINE, 1,2-	122-66-7	[22] <u>23</u> G	[99] <u>110</u> G	190,000 C
DIQUAT	85-00-7	480 G	[6,200] <u>7,000</u> G	190,000 C
DISULFOTON	298-04-4	8.8 G	[110] <u>130</u> G	10,000 C
DITHIANE, 1,4-	505-29-3	2,200 G	[28,000] <u>32,000</u> G	190,000 C
DIURON	330-54-1	440 G	[5,600] <u>6,400</u> G	190,000 C
ENDOSULFAN	115-29-7	1,300 G	[17,000] <u>19,000</u> G	190,000 C
ENDOSULFAN I (ALPHA)	959-98-8	1,300 G	[17,000] <u>19,000</u> G	190,000 C
ENDOSULFAN II (BETA)	33213-65-9	1,300 G	[17,000] <u>19,000</u> G	190,000 C
ENDOSULFAN SULFATE	1031-07-8	1,300 G	[17,000] <u>19,000</u> G	190,000 C
ENDOTHALL	145-73-3	4,400 G	[56,000] <u>64,000</u> G	190,000 C
ENDRIN	72-20-8	66 G	[840] <u>960</u> G	190,000 C
EPICHLOROHYDRIN	106-89-8	19 N	79 N	91 N
ETHEPHON	16672-87-0	1,100 G	[14,000] <u>16,000</u> G	190,000 C
ETHION	563-12-2	110 G	[1,400] <u>1,600</u> G	10,000 C
ETHOXYETHANOL, 2- (EGEE)	110-80-5	3,900 N	10,000 C	10,000 C
ETHYL ACETATE	141-78-6	10,000 C	10,000 C	10,000 C
ETHYL ACRYLATE	140-88-5	[370] <u>390</u> G	[1,700] <u>1,900</u> G	10,000 C
ETHYL BENZENE	100-41-4	10,000 C	10,000 C	10,000 C
ETHYL DIPROPYLTHIOCARBAMATE, S- (EPTC)	759-94-4	5,500 G	10,000 C	10,000 C

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ETHYL ETHER	60-29-7	10,000 C	10,000 C	10,000 C
ETHYL METHACRYLATE	97-63-2	<b>[10,000] [C]</b> <b>5,700 N</b>	10,000 C	10,000 C
<b>ETHYLENE CHLORHYDRIN</b>	<b>107-07-3</b>	<b>4,400 G</b>	<b>10,000 C</b>	<b>10,000 C</b>
ETHYLENE GLYCOL	107-21-1	7,700 N	10,000 C	10,000 C
ETHYLENE THIOUREA (ETU)	96-45-7	18 G	<b>[220] 260</b> G	190,000 C
ETHYLP-NITROPHENYL PHENYLPHOSPHOROTHIOATE	2104-64-5	2.2 G	<b>[28] 32</b> G	190,000 C
FENAMIPHOS	22224-92-6	55 G	<b>[700] 800</b> 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	<b>[36,000] 42,000</b> G	190,000 C
FLUORANTHENE	206-44-0	8,800 G	<b>[110,000] 130,000</b> G	190,000 C
FLUORENE	86-73-7	8,800 G	<b>[110,000] 130,000</b> 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	<b>[5,600] 6,400</b> G	10,000 C
FORMALDEHYDE	50-00-0	34 N	170 N	200 N
FORMIC ACID	64-18-6	<b>[57] 6</b> N	<b>[240] 24</b> N	<b>[270] 27</b> N
FOSETYL-AL	39148-24-8	190,000 C	190,000 C	190,000 C
FURAN	110-00-9	220 G	<b>[2,800] 3,200</b> G	10,000 C
FURFURAL	98-01-1	660 G	4,000 N	4,500 N
GLYPHOSATE	1071-83-6	22,000 G	190,000 C	190,000 C
HEPTACHLOR	76-44-8	4 G	<b>[18] 20</b> G	190,000 C
HEPTACHLOR EPOXIDE	1024-57-3	2 G	<b>[8.7] 10</b> G	190,000 C
HEXACHLOROBENZENE	118-74-1	<b>[11] 12</b> G	<b>[50] 57</b> G	190,000 C
HEXACHLOROBUTADIENE	87-68-3	220 G	<b>[1,000] 1,200</b> G	10,000 C
HEXACHLOROCYCLOPENTADIENE	77-47-4	1,300 G	10,000 C	10,000 C
HEXACHLOROETHANE	67-72-1	<b>[110] 44</b> N	<b>[550] 220</b> N	<b>[640] 260</b> N
HEXANE	110-54-3	10,000 C	10,000 C	10,000 C
HEXAZINONE	51235-04-2	7,300 G	<b>[92,000] 110,000</b> G	190,000 C
HEXYTHIAZOX (SAVEY)	78587-05-0	5,500 G	<b>[70,000] 80,000</b> G	190,000 C
HMX	2691-41-0	11,000 G	<b>[140,000] 160,000</b> G	190,000 C
HYDRAZINE/HYDRAZINE SULFATE	302-01-2	0.09 N	0.45 N	0.52 N
HYDROQUINONE	123-31-9	<b>[320] 310</b> G	<b>[1,400] 1,500</b> G	190,000 C
INDENO[1,2,3-CD]PYRENE	193-39-5	<b>[5.7] 5.8</b> G	<b>[110] 120</b> G	190,000 C
IPRODIONE	36734-19-7	8,800 G	<b>[110,000] 130,000</b> 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	<b>[1.1] 1.9</b> G	<b>[5] 9.1</b> G	190,000 C
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 G	<b>[14,000]</b> G	190,000 C

All concentrations in mg/kg

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**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
			<b>16,000</b>	
MERPPOS OXIDE	78-48-8	6.6 G	<b>[84] 96</b> G	10,000 C
METHACRYLONITRILE	126-98-7	<b>[13] [N]</b> <b>22 G</b>	<b>[56] [N]</b> <b>320 G</b>	<b>[64] N</b> <b>2,800</b>
METHAMIDOPHOS	10265-92-6	11 G	<b>[140] 160</b> G	190,000 C
METHANOL	67-56-1	10,000 C	10,000 C	10,000 C
METHOMYL	16752-77-5	5,500 G	<b>[70,000]</b> <b>80,000</b> G	190,000 C
METHOXYCHLOR	72-43-5	1,100 G	<b>[14,000]</b> <b>16,000</b> G	190,000 C
METHOXYETHANOL, 2-	109-86-4	380 N	1,600 N	1,800 N
METHYL ACETATE	79-20-9	10,000 C	10,000 C	10,000 C
METHYL ACRYLATE	96-33-3	<b>[6,600] [G]</b> <b>380 N</b>	<b>[10,000] [C]</b> <b>1,600 N</b>	<b>[10,000] [C]</b> <b>1,800 N</b>
METHYL CHLORIDE	74-87-3	250 N	1,200 N	1,400 N
METHYL ETHYL KETONE	78-93-3	10,000 C	10,000 C	10,000 C
<b>METHYL HYDRAZINE</b>	<b>60-34-4</b>	<b>0.38 N</b>	<b>1.6 N</b>	<b>1.8 N</b>
METHYL ISOBUTYL KETONE	108-10-1	10,000 C	10,000 C	10,000 C
METHYL ISOCYANATE	624-83-9	19 N	79 N	91 N
METHYL N-BUTYL KETONE (2-HEXANONE)	591-78-6	<b>[96] 570</b> N	<b>[400]</b> <b>2,400</b> N	<b>[460] N</b> <b>2,800</b>
METHYL METHACRYLATE	80-62-6	10,000 C	10,000 C	10,000 C
METHYL METHANESULFONATE	66-27-3	<b>[180] 190</b> G	<b>[800] 920</b> G	10,000 C
METHYL PARATHION	298-00-0	55 G	<b>[700] 800</b> G	190,000 C
METHYL STYRENE (MIXED ISOMERS)	25013-15-4	770 N	3,200 N	3,600 N
METHYL TERT-BUTYL ETHER (MTBE)	1634-04-4	<b>[620] [G]</b> <b>1,700 N</b>	<b>[3,200] N</b> <b>8,600</b>	<b>[3,700] N</b> <b>9,900</b>
METHYLCHLOROPHENOXYACETIC ACID (MCPA)	94-74-6	110 G	<b>[1,400]</b> <b>1,600</b> C	190,000 C
METHYLENE BIS(2-CHLOROANILINE), 4,4'-	101-14-4	42 G	<b>[790] 910</b> G	190,000 C
METHYLNAPHTHALENE, 2-	91-57-6	880 G	<b>[11,000]</b> <b>13,000</b> G	190,000 C
METHYLSTYRENE, ALPHA	98-83-9	10,000 C	10,000 C	10,000 C
METOLACHLOR	51218-45-2	10,000 C	10,000 C	10,000 C
METRIBUZIN	21087-64-9	5,500 G	<b>[70,000]</b> <b>80,000</b> G	190,000 C
MONOCHLOROACETIC ACID	79-11-8	<b>[2,200]</b> <b>440</b> G	<b>[28,000]</b> <b>6,400</b> G	190,000 C
NAPHTHALENE	91-20-3	4,400 G	<b>[56,000]</b> <b>64,000</b> G	190,000 C
NAPHTHYLAMINE, 1-	134-32-7	<b>[9.9] 10</b> G	<b>[44] 51</b> G	190,000 C
NAPHTHYLAMINE, 2-	91-59-8	<b>[9.9] 10</b> G	<b>[44] 51</b> G	190,000 C
NAPROPAMIDE	15299-99-7	22,000 G	190,000 C	190,000 C
NITROANILINE, M-	99-09-2	66 G	<b>[840] 960</b> G	190,000 C
NITROANILINE, O-	88-74-4	<b>[660]</b> <b>2,200</b> G	<b>[8,400]</b> <b>32,000</b> G	190,000 C
NITROANILINE, P-	100-01-6	880 G	<b>[4,000]</b> <b>4,600</b> G	190,000 C
NITROBENZENE	98-95-3	440 G	<b>[5,600]</b> <b>6,400</b> G	10,000 C
NITROGUANIDINE	556-88-7	22,000 G	190,000 C	190,000 C
NITROPHENOL, 2-	88-75-5	1,800 G	<b>[22,000]</b> <b>26,000</b> G	190,000 C

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REGULATED SUBSTANCE	CASRN	Residential 0-15 feet	Nonresidential	
			Surface Soil 0-2 feet	Subsurface Soil 2-15 feet
NITROPHENOL, 4-	100-02-7	1,800 G	<b>[22,000]</b> <b>26,000</b> G	190,000 C
NITROPROPANE, 2-	79-46-9	0.16 N	0.82 N	0.94 N
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	<b>[3.3] 3.4</b> G	<b>[15] 17</b> G	10,000 C
NITROSODI-N-PROPYLAMINE, N-	621-64-7	<b>[2.6] 2.7</b> G	<b>[11] 13</b> G	10,000 C
NITROSODIPHENYLAMINE, N-	86-30-6	<b>[3,700]</b> <b>3,800</b> G	<b>[16,000]</b> <b>19,000</b> G	190,000 C
NITROSO-N-ETHYLUREA, N-	759-73-9	<b>[0.15]</b> <b>0.16</b> G	<b>[2.9] 3.4</b> G	190,000 C
OCTYL PHTHALATE, DI-N-	117-84-0	<b>[8,800]</b> <b>2,200</b> G	10,000 C	10,000 C
OXAMYL (VYDATE)	23135-22-0	5,500 G	<b>[70,000]</b> <b>80,000</b> G	190,000 C
PARAQUAT	1910-42-5	990 G	<b>[13,000]</b> <b>14,000</b> G	190,000 C
PARATHION	56-38-2	1,300 G	10,000 C	10,000 C
PCB-1016 (AROCLOR)	12674-11-2	15 G	<b>[200] 220</b> G	10,000 C
PCB-1221 (AROCLOR)	11104-28-2	9 G	<b>[40] 46</b> G	10,000 C
PCB-1232 (AROCLOR)	11141-16-5	9 G	<b>[40] 46</b> G	10,000 C
PCB-1242 (AROCLOR)	53469-21-9	9 G	<b>[40] 46</b> G	10,000 C
PCB-1248 (AROCLOR)	12672-29-6	<b>[9] 9.3</b> G	<b>[40] 46</b> G	10,000 C
PCB-1254 (AROCLOR)	11097-69-1	4.4 G	<b>[40] 46</b> G	10,000 C
PCB-1260 (AROCLOR)	11096-82-5	9 G	<b>[40] 46</b> G	190,000 C
PEBULATE	1114-71-2	10,000 C	10,000 C	10,000 C
PENTACHLOROBENZENE	608-93-5	180 G	<b>[2,200]</b> <b>2,600</b> G	190,000 C
PENTACHLOROETHANE	76-01-7	<b>[200] 210</b> G	<b>[880]</b> <b>1,000</b> G	10,000 C
PENTACHLORONITROBENZENE	82-68-8	<b>[69] 72</b> G	<b>[310] 350</b> G	190,000 C
PENTACHLOROPHENOL	87-86-5	<b>[150] 47</b> G	<b>[660] 230</b> G	190,000 C
PHENACETIN	62-44-2	<b>[8,100]</b> <b>8,500</b> G	<b>[36,000]</b> <b>41,000</b> G	190,000 C
PHENANTHRENE	85-01-8	66,000 G	190,000 C	190,000 C
PHENOL	108-95-2	<b>[66,000]</b> <b>3,800</b> <b>[G]</b> <b>N</b>	<b>[190,000]</b> <b>16,000</b> <b>[C]</b> <b>N</b>	<b>[190,000]</b> <b>18,000</b> <b>[C]</b> <b>N</b>
PHENYL MERCAPTAN	108-98-5	<b>[2.2] 220</b> G	<b>[28] 3,200</b> G	10,000 C
PHENYLENEDIAMINE, M-	108-45-2	1,300 G	<b>[17,000]</b> <b>19,000</b> G	190,000 C
PHENYLPHENOL, 2-	90-43-7	<b>[9,400]</b> <b>9,800</b> G	<b>[42,000]</b> <b>48,000</b> G	190,000 C
PHORATE	298-02-2	44 G	<b>[560] 640</b> G	10,000 C
PHTHALIC ANHYDRIDE	85-44-9	190,000 C	190,000 C	190,000 C
PICLORAM	1918-02-1	15,000 G	190,000 C	190,000 C
PROMETON	1610-18-0	3,300 G	<b>[42,000]</b> <b>48,000</b> G	190,000 C
PRONAMIDE	23950-58-5	17,000 G	190,000 C	190,000 C
PROPANIL	709-98-8	1,100 G	<b>[14,000]</b> <b>16,000</b> G	190,000 C
PROPANOL, 2- (ISOPROPYL ALCOHOL)	67-63-0	10,000 C	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	<b>[56,000]</b> G	190,000 C

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REGULATED SUBSTANCE	CASRN	Residential 0-15 feet	Nonresidential	
			Surface Soil 0-2 feet	Subsurface Soil 2-15 feet
			<b>64,000</b>	
PROPYLBENZENE, N-	103-65-1	<b>[8,800]</b> [G] <b>10,000</b> C	10,000 C	10,000 C
PROPYLENE OXIDE	75-56-9	<b>[75]</b> <b>78</b> G	<b>[330]</b> <b>380</b> G	690 N
PYRENE	129-00-0	6,600 G	<b>[84,000]</b> <b>96,000</b> G	190,000 C
PYRIDINE	110-86-1	220 G	<b>[2,800]</b> <b>3,200</b> G	10,000 C
QUINOLINE	91-22-5	6 G	<b>[26]</b> <b>30</b> G	10,000 C
QUIZALOFOP (ASSURE)	76578-14-8	2,000 G	<b>[25,000]</b> <b>29,000</b> G	190,000 C
RDX	121-82-4	<b>[160]</b> <b>170</b> G	<b>[720]</b> <b>830</b> G	190,000 C
RESORCINOL	108-46-3	190,000 C	190,000 C	190,000 C
RONNEL	299-84-3	11,000 G	<b>[140,000]</b> <b>160,000</b> G	190,000 C
SIMAZINE	122-34-9	<b>[150]</b> <b>160</b> G	<b>[660]</b> <b>760</b> G	190,000 C
STRYCHNINE	57-24-9	66 G	<b>[840]</b> <b>960</b> 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	<b>[36,000]</b> <b>42,000</b> G	190,000 C
TERBUFOS	13071-79-9	5.5 G	<b>[70]</b> <b>80</b> G	10,000 C
TETRACHLOROENZENE, 1,2,4,5-	95-94-3	66 G	<b>[840]</b> <b>960</b> G	190,000 C
TETRACHLORODIBENZO-P-DIOXIN, 2,3,7,8- (TCDD)	1746-01-6	0.00014 G	<b>[0.00061]</b> <b>0.0007</b> 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 N	38 N	44 N
TETRACHLOROETHYLENE (PCE)	127-18-4	<b>[340]</b> <b>770</b> [G] N	<b>[1,500]</b> [G] <b>3,200</b> N	<b>[4,400]</b> N <b>3,600</b>
TETRACHLOROPHENOL, 2,3,4,6-	58-90-2	6,600 G	<b>[84,000]</b> <b>96,000</b> G	190,000 C
TETRAETHYL LEAD	78-00-2	0.022 G	<b>[0.28]</b> <b>0.32</b> G	10,000 C
TETRAETHYLDITHIOPYROPHOSPHATE	3689-24-5	110 G	<b>[1,400]</b> <b>1,600</b> G	10,000 C
TETRAHYDROFURAN	109-99-9	<b>[230]</b> <b>240</b> N	<b>[1,100]</b> N <b>1,200</b>	<b>[1,300]</b> N <b>1,400</b>
THIOFANOX	39196-18-4	66 G	<b>[840]</b> <b>960</b> G	190,000 C
THIRAM	137-26-8	1,100 G	<b>[14,000]</b> <b>16,000</b> G	190,000 C
TOLUENE	108-88-3	10,000 C	10,000 C	10,000 C
TOLUIDINE, M-	108-44-1	<b>[99]</b> <b>100</b> G	<b>[440]</b> <b>510</b> G	10,000 C
TOLUIDINE, O-	95-53-4	<b>[99]</b> <b>1,200</b> G	<b>[440]</b> <b>5,700</b> 9G	10,000 C
TOLUIDINE, P-	106-49-0	<b>[94]</b> <b>620</b> G	<b>[420]</b> <b>3,000</b> G	190,000 C
TOXAPHENE	8001-35-2	<b>[16]</b> <b>17</b> G	<b>[72]</b> <b>83</b> G	190,000 C
TRIALATE	2303-17-5	2,900 G	10,000 C	10,000 C
TRIBROMOMETHANE (BROMOFORM)	75-25-2	410 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
<b>TRICHLOROACETIC ACID</b>	<b>76-03-9</b>	<b>270</b> G	<b>1,300</b> G	<b>190,000</b> C
TRICHLOROBENZENE, 1,2,4-	120-82-1	<b>[2,200]</b> <b>640</b> G	<b>[10,000]</b> [C] <b>3,100</b> G	10,000 C

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			Surface Soil 0-2 feet	Subsurface Soil 2-15 feet
TRICHLOROBENZENE, 1,3,5-	108-70-3	1,300 G	[17,000] G <u>19,000</u>	190,000 C
TRICHLOROETHANE, 1,1,1-	71-55-6	10,000 C	10,000 C	10,000 C
TRICHLOROETHANE, 1,1,2-	79-00-5	[28] 4 N	[140] 16 N	[160] 18 N
TRICHLOROETHYLENE (TCE)	79-01-6	[260] 38 N	[1,300] N <u>160</u>	[1,500] N <u>180</u>
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	[2,800] G <u>3,200</u>	190,000 C
TRICHLOROPHENOXYACETIC ACID, 2,4,5- (2,4,5-T)	93-76-5	2,200 G	[28,000] G <u>32,000</u>	190,000 C
TRICHLOROPHENOXYPROPIONIC ACID, 2,4,5- (2,4,5-TP)(SILVEX)	93-72-1	1,800 G	[22,000] G <u>26,000</u>	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	[2.6] G <u>0.027</u>	[11] 0.6 G	[460] 28 N
TRICHLOROPROPENE, 1,2,3-	96-19-5	[19] 5.7 N	[80] 24 N	[91] 27 N
TRIETHYLAMINE	121-44-8	130 N	560 N	640 N
TRIFLURALIN	1582-09-8	1,700 G	[10,000] G <u>12,000</u>	190,000 C
TRIMETHYLBENZENE, 1,3,4- (TRIMETHYLBENZENE, 1,2,4-)	95-63-6	130 N	560 N	640 N
TRIMETHYLBENZENE, 1,3,5-	108-67-8	[110] [N] <u>2,200 G</u>	[480] [N] <u>10,000 C</u>	[550] [N] <u>10,000 C</u>
TRINITROGLYCEROL (NITROGLYCERIN)	55-63-0	22 G	[280] 320 G	10,000 C
TRINITROTOLUENE, 2,4,6-	118-96-7	110 G	[1,400] G <u>1,600</u>	190,000 C
VINYL ACETATE	108-05-4	3,900 N	10,000 C	10,000 C
VINYL BROMIDE (BROMOETHENE)	593-60-2	14 N	70 N	80 N
VINYL CHLORIDE	75-01-4	[1.9] 0.9 G	[110] 61 G	[580] 280 N
WARFARIN	81-81-2	66 G	[840] 960 G	190,000 C
XYLENES (TOTAL)	1330-20-7	1,900 N	8,000 N	9,100 N
ZINEB	12122-67-7	11,000 G	[140,000] G <u>160,000</u>	190,000 C

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