

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	Non-Residential	
			Surface Soil 0-2 feet	Subsurface Soil 2-15 feet
ACENAPHTHENE	83-32-9	[13,000] [G] 4,100 N	[170,000] [G] 11,000 N	[190,000] [C] 13,000 N
ACENAPHTHYLENE	208-96-8	[13,000] [G] 4,100 N	[170,000] [G] 11,000 N	[190,000] [C] 13,000 N
ACETOPHENONE	98-86-2	[10,000] [C] 6,600 N	10,000 C	10,000 C
ACRYLAMIDE	79-06-1	[4] 0.25 [G] N	[18] 1.3 [G] N	[190,000] [C] 1.5 N
ACRYLIC ACID	79-10-7	19 N	[53] 54 N	[60] 61 N
ACRYLONITRILE	107-13-1	[4.7] 4.6 N	24 N	28 N
AMMONIA	7664-41-7	1,900 N	[5,300] N 5,400	[6,100] N 6,200
AMMONIUM SULFAMATE	7773-06-0	[44,000] [G] 13,000 N	[190,000] [C] 37,000 N	[190,000] [C] 43,000 N
ANILINE	62-53-3	19 N	[53] 54 N	[60] 61 N
ANTHRACENE	120-12-7	[66,000] [G] 30,000 N	[190,000] [C] 84,000 N	[190,000] [C] 110,000 N
BENZO[A]PYRENE	50-32-8	[3] 2.5 G	11 G	190,000 C
BENZYL CHLORIDE	100-44-7	[6.4] 6.5 N	[33] 34 N	[38] 39 N
BETA PROPIOLACTONE	57-57-8	0.08 N	0.41 N	0.47 N
BIPHENYL, 1,1-	92-52-4	[11,000] [G] 3,300 N	[140,000] [G] 9,200 N	[190,000] [C] 11,000 N
BIS(2-CHLOROETHYL)ETHER	111-44-4	[0.96] 0.92 N	5 N	[5.7] 5.5 N
BIS(CHLOROMETHYL)ETHER	542-88-1	0.0051 N	[0.027] N 0.026	[0.031] N 0.030
BROMODICHLOROMETHANE	75-27-4	8.6 N	[45] 44 N	51 N
BROMOMETHANE	74-83-9	[95] 94 N	[270] 260 N	300 N
BUTADIENE, 1,3-	106-99-0	5.3 G	23 G	[190,000] [C] 60 N
CHLOROACETOPHENONE, 2-	532-27-4	[1.9] 0.57 [G] N	[24] 1.6 [G] N	[190,000] [C] 1.8 N
CHLOROANILINE, P-	106-47-8	[880] 270 [G] N	[11,000] [G] 740 N	[190,000] [C] 850 N
CHLOROBENZENE	108-90-7	[4,400] [G] 330 N	[10,000] [C] 930 N	[10,000] [C] 1,100 N
CHLOROFORM	67-66-3	[6] 14 N	[17] 72 N	[19] 83 N
CHLORONAPHTHALENE, 2-	91-58-7	[18,000] [G] 5,500 N	[190,000] [C] 15,000 N	[190,000] [C] 18,000 N
CHLORONITROBENZENE, P-	100-00-5	[990] 11 [G] N	[4,400] 32 [G] N	[190,000] [C] 36 N
CHLOROPROPANE, 2-	75-29-6	[1,900] N 2,000	5,400 N	[6,100] N 6,200
CRESOL, 4,6-DINITRO-O-	534-52-1	7 N	18 N	21 N
CROTONALDEHYDE	4170-30-3	[9.4] 0.58 [G] N	[42] 3 [G] N	[10,000] 4 [C] N
CROTONALDEHYDE, TRANS-	123-73-9	[9.4] 0.59 [G] N	[42] 3 [G] N	[10,000] [G] 3.5 N
CYCLOHEXANE	110-82-7	10,000 C	10,000 C	10,000 C
DIALLATE	2303-16-4	[18] 290 [N] G	[93] 1,300 [N] G	[110] [N] 10,000 C

All concentrations in mg/kg

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DIBENZOFURAN	132-64-9	160 N	450 N	530 N
DIBROMOETHANE, 1,2- (ETHYLENE DIBROMIDE)	106-93-4	[0.21] <u>0.53</u> [G] N	[0.93] <u>2.7</u> [G] N	[8.6] <u>3.2</u> N
DICHLORO-2-BUTENE, 1,4-	764-41-0	[91,000] N <u>0.12</u>	[190,000] [C] <u>.062</u> N	[190,000] [C] <u>0.71</u> N
DICHLOROBENZENE, 1,2-	95-50-1	[3,800] N <u>2.700</u>	[10,000] [C] <u>7,400</u> N	[10,000] [C] <u>8,600</u> N
DICHLOROBENZENE, 1,3-	541-73-1	[6,600] G <u>660</u>	[10,000] [C] <u>8,400</u> G	10,000 C
DICHLOROBENZENE, P-	106-46-7	[750] <u>51</u> [G] N	[3,300] [G] <u>260</u> N	[190,000] [C] <u>300</u> N
DICHLORODIFLUOROMETHANE (FREON 12)	75-71-8	[38,00] N <u>3,400</u>	[10,000] [C] <u>9,400</u> N	10,000 C
DICHLOROETHYLENE, 1,1-	75-35-4	[6.4] <u>3,800</u> N	[33] [N] <u>10,000</u> C	[38] [N] <u>10,000</u> C
DICHLOROMETHANE (METHYLENE CHLORIDE)	75-09-2	[680] <u>700</u> N	[3,500] N <u>3,600</u>	[4,000] N <u>4,100</u>
DICHLOROPHENOL, 2,4-	120-83-2	[660] <u>200</u> [G] N	[8,400] [G] <u>550</u> N	[190,000] [C] <u>630</u> N
DICYCLOPENTADIENE	77-73-6	[6,600] <u>4</u> [G] N	[84,000] [G] <u>11</u> N	[190,000] [C] <u>12</u> N
DIMETHYLBENZIDINE, 3,3-	119-93-7	1.9 G	8.6 G	[10,000] C 190,000
DINOSEB	88-85-7	[220] <u>66</u> [G] N	[2,800] [G] <u>180</u> N	[190,000] [C] <u>210</u> N
DISULFOTON	298-04-4	[2.7] <u>8.8</u> [N] G	[7.6] <u>110</u> [N] G	[8.7] [N] <u>10,000</u> C
ENDOSULFAN SULFATE	1031-07-8	[1,300] [G] <u>400</u> N	[17,000] [G] <u>1,100</u> N	[190,000] [C] <u>1,300</u> N
EPICHLOROHYDRIN	106-89-8	19 N	[53] <u>54</u> N	[60] <u>61</u> N
ETHYL METHACRYLATE	97-63-2	[20,000] [G] <u>6,000</u> N	[190,000] C <u>10,000</u>	[190,000] C <u>10,000</u>
FLUORANTHENE	206-44-0	8,800 G	[110,000] [G] <u>25,000</u> N	[190,000] [C] <u>45,000</u> N
FLUORENE	86-73-7	[8,800] [G] <u>3,100</u> N	[110,000] [G] <u>8,700</u> N	[190,000] C <u>10,000</u>
FORMALDEHYDE	50-00-0	24 N	130 N	[150] <u>140</u> N
FORMIC ACID	64-18-6	[10,000] [C] <u>57</u> N	[10,000] [C] <u>160</u> N	[10,000] [C] <u>180</u> N
HEPTACHLOR EPOXIDE	1024-57-3	2 G	[9] <u>8.7</u> G	190,000 C
HEXACHLOROETHANE	67-72-1	[220] <u>66</u> [G] N	[2,800] [G] <u>180</u> N	[190,000] [C] <u>210</u> N
HYDROQUINONE	123-31-9	[8,800] G <u>320</u>	[110,000] G <u>1,400</u>	190,000 C
KEPONE	143-50-0	[1.1] <u>2.2</u> G	[5] <u>10</u> G	190,000 C
MALATHION	121-75-5	[1,400] [N] <u>4,400</u> G	[4,000] [N] <u>10,000</u> C	[4,600] [N] <u>10,000</u> C
METHOXYCHLOR	72-43-5	1,100 G	[14,000] [G] <u>4,200</u> N	[190,000] [C] <u>9,500</u> N
METHYL ISOBUTYL KETONE	108-10-1	[1,500] [N] <u>10,000</u> C	[4,300] [N] <u>10,000</u> C	[4,900] [N] <u>10,000</u> C

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METHYL N-BUTYL KETONE (2-HEXANONE)	591-78-6	94 N	260 N	300 N
METHYL STYRENE (MIXED ISOMERS)	25013-15-4	[1,300] G 670 N	[17,000] G 1,900 N	[190,000] C 2,100 N
METHYL TERT-BUTYL ETHER (MTBE)	1634-04-4	[620] N 1,200	[3,200] N 6,300	[3,700] N 7,300
METHYLCHLOROPHENOXYACETIC ACID (MCPA)	94-74-6	140 G	610 G	190,000 C
METHYLNAPHTHALENE, 2-	91-57-6	[4,400] 58 G N	[10,000] C 160 N	[10,000] C 190 N
METHYLSTYRENE, ALPHA	98-83-9	[15,000] G 10,000 C	[190,000] C 10,000	[190,000] C 10,000
NAPHTHALENE	91-20-3	[4,400] 57 G N	[56,000] G 160 N	[190,000] C 180 N
NITROANILINE, M-	99-09-2	[13] 66 G	[160] 840 G	190,000 C
NITROANILINE, O-	88-74-4	[13] 4 G N	[160] 11 G N	[190,000] C 12 N
NITROANILINE, P-	100-01-6	[13] 660 G	[160] G 4,000	190,000 C
NITROBENZENE	98-95-3	[110] 40 G N	[1,400] G 110 N	[10,000] C 130 N
NITROPHENOL, 2-	88-75-5	[1,800] G 530 N	[22,000] G 1,500 N	[190,000] C 1,700 N
NITROSODIETHYLAMINE, N-	55-18-5	[0.0073] N 0.0074	0.038 N	0.044 N
NITROSO-DI-N-BUTYLAMINE, N-	924-16-3	[3.3] 0.2 G N	[15] 1 G N	[10,000] C 1.2 N
NITROSODI-N-PROPYLAMINE, N-	621-64-7	[2.6] 0.16 G N	[11] 0.82 G N	[10,000] C 0.94 N
NITROSODIPHENYLAMINE, N-	86-30-6	[3,700] G 130 N	[16,000] G 650 N	[190,000] C 750 N
PCB-1016 (AROCLOR)	12674-11-2	[15] 1.1 G N	[200] 5.7 G N	[10,000] C 7.7 N
PCB-1221 (AROCLOR)	11104-28-2	[36] 260 G	[160] G 1,100	10,000 C
PCB-1232 (AROCLOR)	11141-16-5	[36] 9 G	[160] 40 G	10,000 C
PCB-1242 (AROCLOR)	53469-21-9	[36] 9 G	[160] 40 G	10,000 C
PCB-1248 (AROCLOR)	12672-29-6	[9.9] 9 G	[44] 40 G	10,000 C
PCB-1254 (AROCLOR)	11097-69-1	4.4 G	[44] 40 G	10,000 C
PCB-1260 (AROCLOR)	11096-82-5	[30] 9 G	[130] 40 G	190,000 C
PHENACETIN	62-44-2	[8,100] G 500 N	[36,000] G 2,600 N	[190,000] C 3,000 N
PHENANTHRENE	85-01-8	[66,000] G 43,000 N	[190,000] C 120,000 N	[190,000] C 160,000 N
PHENOL	108-95-2	[130,000] G 20,000 N	[190,000] C 55,000 N	[190,000] C 63,000 N
PHENYL MERCAPTAN	108-98-5	0.7 N	1.8 N	2.1 N
PHENYLPHENOL, 2-	90-43-7	[9,200] G 9,400	[41,000] G 42,000	190,000 C
PYRENE	129-00-0	6,600 G	[84,000] G 21,000 N	[190,000] C 41,000 N
QUINOLINE	91-22-5	[1.5] 6 G	[6.6] 26 G	10,000 C
TETRACHLORODIBENZO-P-DIOXIN, 2,3,7,8- (TCDD)	1746-01-6	0.00012 G	0.00053 G	[190,000] C 150 N

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			Surface Soil 0-2 feet	Subsurface Soil 2-15 feet
TETRACHLOROETHANE, 1,1,1,2-	630-20-6	[690] <u>43</u> [G] N	[3,100] [G] <u>220</u> N	[190,000] [C] <u>250</u> N
TETRACHLOROETHANE, 1,1,2,2-	79-34-5	[5.5] <u>5.6</u> N	[28] <u>29</u> N	33 N
TETRAHYDROFURAN	<u>109-99-9</u>	<u>160</u> N	<u>850</u> N	<u>980</u> N
TOLUENE	108-88-3	[7,600] N <u>7,300</u>	10,000 C	10,000 C
TOLUIDINE, M-	108-44-1	[75] <u>5</u> [G] N	[330] <u>24</u> [G] N	[10,000] [C] <u>27</u> N
TOLUIDINE, O-	95-53-4	[75] <u>5</u> [G] N	[330] <u>24</u> [G] N	[10,000] [C] <u>28</u> N
TRICHLORO-1,2,2-TRIFLUOROETHANE, 1,1,2-	76-13-1	[190,000] C <u>10,000</u>	[190,000] C <u>10,000</u>	[190,000] C <u>10,000</u>
TRICHLOROBENZENE, 1,3,5-	108-70-3	1,300 G	[17,000] [G] <u>11,000</u> N	[190,000] [C] <u>12,000</u> N
TRICHLOROPHENOL, 2,4,5-	95-95-4	[22,000] [G] <u>7,700</u> N	[190,000] [C] <u>21,000</u> N	[190,000] [C] <u>25,000</u> N
TRICHLOROPROPANE, 1,1,2-	598-77-6	1,100 G	10,000 C	10,000 C
TRICHLOROPROPANE, 1,2,3-	96-18-4	0.16 N	0.82 N	0.95 N
TRICHLOROPROPENE, 1,2,3-	96-19-5	[1,100] <u>20</u> [G] N	[10,000] [C] <u>56</u> N	[10,000] [C] <u>64</u> N
TRIETHYLAMINE	<u>121-44-8</u>	<u>130</u> N	<u>370</u> N	<u>430</u> N
TRIFLURALIN	1582-09-8	[1,700] [G] <u>150</u> N	[10,000] [G] <u>750</u> N	[190,000] [C] <u>870</u> N
TRINITROGLYCEROL (NITROGLYCERIN)	<u>55-63-0</u>	<u>79</u> N	<u>410</u> N	<u>470</u> N
VINYL BROMIDE (BROMOETHENE)	593-60-2	[160] <u>10</u> [G] N	[720] <u>52</u> [G] N	[190,000] [C] <u>60</u> N
XYLENES (TOTAL)	1330-20-7	[8,000] N <u>1,900</u>	[10,000] [C] <u>5,400</u> N	[10,000] [C] <u>6,200</u> N

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