

APPENDIX A
TABLE 1 – MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN GROUNDWATER

REGULATED SUBSTANCE	CASRN	USED AQUIFERS				NON-USE AQUIFERS	
		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR		
ACENAPHTHENE	83-32-9	2,200 G	3,800 S	3,800 S	3,800 S	3,800 S	3,800 S
ACENAPHTHYLENE	208-96-8	2,200 G	6,100 G	16,000 S	16,000 S	16,000 S	16,000 S
ACEPHATE	30560-19-1	76 G	300 G	7,600 G	30,000 G	76 G	300 G
ACETALDEHYDE	75-07-0	19 N	[52] 79 N	1,900 N	[5,200] 7,900 N	19 N	[52] 79 N
ACETONE	67-64-1	[3,700] 33,000 G	[10,000] 92,000 G	[370,000] 3,300,000 G	[1,000,000] 9,200,000 G	[37,000] 330,000 G	[100,000] 920,000 G
ACETONITRILE	75-05-8	[170] 130 N	[350] 530 N	[17,000] 13,000 N	[35,000] 53,000 N	[1,700] 1,300 N	[3,500] 5,300 N
ACETOPHENONE	98-86-2	3,700 G	10,000 G	370,000 G	1,000,000 G	3,700 G	10,000 G
ACETYLAMINOFLUORENE, 2- (2AAF)	53-96-3	0.17 G	0.68 G	17 G	68 G	170 G	680 G
ACROLEIN	107-02-8	[0.055] 0.042 N	[0.12] 0.18 N	[5.5] 4.2 N	[12] 18 N	[0.55] 0.42 N	[1.2] 1.8 N
ACRYLAMIDE	79-06-1	[0.033] 0.038 N	[0.14] 0.19 N	[3.3] 3.8 N	[14] 19 N	[0.033] 0.038 N	[0.14] 0.19 N
ACRYLIC ACID	79-10-7	[2.8] 2.1 N	[5.8] 8.8 N	[280] 210 N	[580] 880 N	[280] 210 N	[580] 880 N
ACRYLONITRILE	107-13-1	[0.63] 0.72 N	[2.7] 3.7 N	[63] 72 N	[270] 370 N	[63] 72 N	[270] 370 N
ALACHLOR	15972-60-8	2 M	2 M	200 M	200 M	2 M	2 M
ALDICARB	116-06-3	[7] 3 M	[7] 3 M	[700] 300 M	[700] 300 M	[7,000] 3,000 M	[7,000] 3,000 M
ALDICARB SULFONE	1646-88-4	2 M	2 M	200 M	200 M	2 M	2 M
ALDICARB SULFOXIDE	1646-87-3	4 M	4 M	400 M	400 M	4 M	4 M
ALDRIN	309-00-2	[0.0087] [N] 0.039 G	[0.037] [N] 0.15 G	[0.87] 3.9 [N] G	[3.7] 15 [N] G	[0.87] 20 [N] S	[3.7] 20 [N] S
ALLYL ALCOHOL	107-18-6	[49] 0.63 N	[100] 2.6 N	[4,900] 63 N	[10,000] 260 N	[4,900] 63 N	[10,000] 260 N
AMETRYN	834-12-8	60 H	60 H	6,000 H	6,000 H	60 H	60 H
AMINOBIHENYL, 4-	92-67-1	0.031 G	0.12 G	3.1 G	12 G	31 G	120 G
AMITROLE	61-82-5	0.7 G	2.8 G	70 G	280 G	700 G	2,800 G
AMMONIA	7664-41-7	30,000 H	30,000 H	3,000,000 H	3,000,000 H	30,000 H	30,000 H
AMMONIUM SULFAMATE	7773-06-0	2,000 H	2,000 H	200,000 H	200,000 H	2,000 H	2,000 H
ANILINE	62-53-3	[2.8] 2.1 N	[5.8] 8.8 N	[280] 210 N	[580] 880 N	[2.8] 2.1 N	[5.8] 8.8 N
ANTHRACENE	120-12-7	66 S	66 S	66 S	66 S	66 S	66 S
ATRAZINE	1912-24-9	3 M	3 M	300 M	300 M	3 M	3 M
AZINPHOS-METHYL (GUTHION)	86-50-0	110 G	310 G	11,000 G	31,000 G	110 G	310 G

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		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR		
BAYGON (PROPOXUR)	114-26-1	3 H	3 H	300 H	300 H	3,000 H	3,000 H
BENOMYL	17804-35-2	1,800 G	2,000 S	2,000 S	2,000 S	1,800 G	2,000 S
BENTAZON	25057-89-0	<u>[1,100] 200 [G]</u> <u>H</u>	<u>[3,100] 200 [G]</u> <u>H</u>	<u>[110,000] [G]</u> <u>20,000 H</u>	<u>[310,000] [G]</u> <u>20,000 H</u>	<u>[1,100] 200 [G]</u> <u>H</u>	<u>[3,100] 200 [G]</u> <u>H</u>
BENZENE	71-43-2	5 M	5 M	500 M	500 M	500 M	500 M
BENZIDINE	92-87-5	<u>[0.0029] G</u> <u>0.00093</u>	0.011 G	<u>[0.29] 0.093 G</u>	1.1 G	<u>[2.9] 0.93 G</u>	11 G
BENZO[A]ANTHRACENE	56-55-3	<u>[0.9] 0.29 G</u>	3.6 G	11 S	11 S	11 S	11 S
BENZO[A]PYRENE	50-32-8	0.2 M	0.2 M	3.8 S	3.8 S	3.8 S	3.8 S
BENZO[B]FLUORANTHENE	205-99-2	<u>[0.9] 0.29 G</u>	1.2 S	1.2 S	1.2 S	1.2 S	1.2 S
BENZO[GHI]PERYLENE	191-24-2	0.26 S	0.26 S	0.26 S	0.26 S	0.26 S	0.26 S
BENZO[K]FLUORANTHENE	207-08-9	0.55 S	0.55 S	0.55 S	0.55 S	0.55 S	0.55 S
BENZOIC ACID	65-85-0	150,000 G	410,000 G	2,700,000 S	2,700,000 S	150,000 G	410,000 G
BENZOTRICHLORIDE	98-07-7	0.051 G	0.2 G	5.1 G	20 G	51 G	200 G
BENZYL ALCOHOL	100-51-6	<u>[11,000] G</u> <u>18,000</u>	<u>[31,000] G</u> <u>51,000</u>	<u>[1,100,000] G</u> <u>1,800,000</u>	<u>[3,100,000] G</u> <u>5,100,000</u>	<u>[11,000] G</u> <u>18,000</u>	<u>[31,000] G</u> <u>51,000</u>
BENZYL CHLORIDE	100-44-7	<u>[0.87] 1 N</u>	<u>[3.7] 5.1 N</u>	<u>[87] 100 N</u>	<u>[370] 510 N</u>	<u>[87] 100 N</u>	<u>[370] 510 N</u>
<u>BETA PROPIOLACTONE</u>	<u>57-57-8</u>	<u>0.012 N</u>	<u>0.063 N</u>	<u>1.2 N</u>	<u>6.3 N</u>	<u>0.12 N</u>	<u>0.63 N</u>
BHC, ALPHA-	319-84-6	0.1 G	0.41 G	10 G	41 G	100 G	410 G
BHC, BETA-	319-85-7	0.37 G	1.4 G	37 G	100 S	100 S	100 S
<u>[BHC, DELTA-]</u>	<u>[319-86-8]</u>	<u>[22] [G]</u>	<u>[61] [G]</u>	<u>[2,200] [G]</u>	<u>[6,100] [G]</u>	<u>[8,000] [S]</u>	<u>[8,000] [S]</u>
BHC, GAMMA (LINDANE)	58-89-9	0.2 M	0.2 M	20 M	20 M	200 M	200 M
BIPHENYL, 1,1-	92-52-4	1,800 G	5,100 G	7,200 S	7,200 S	7,200 S	7,200 S
<u>BIS(2-CHLOROETHOXY)METHANE</u>	<u>111-91-1</u>	<u>110 G</u>	<u>310 G</u>	<u>11,000 G</u>	<u>31,000 G</u>	<u>110 G</u>	<u>310 G</u>
BIS(2-CHLOROETHYL)ETHER	111-44-4	<u>[0.13] 0.15 N</u>	<u>[0.55] 0.76 N</u>	<u>[13] 15 N</u>	<u>[55] 76 N</u>	<u>[13] 15 N</u>	<u>[55] 76 N</u>
BIS(2-CHLORO-ISOPROPYL)ETHER	108-60-1	300 H	300 H	30,000 H	30,000 H	30,000 H	30,000 H
BIS(CHLOROMETHYL)ETHER	542-88-1	<u>[0.00069] N</u> <u>0.00079</u>	<u>[0.0029] N</u> <u>0.004</u>	<u>[0.069] N</u> <u>0.079</u>	<u>[0.29] 0.4 N</u>	<u>[0.069] N</u> <u>0.079</u>	<u>[0.29] 0.4 N</u>
BIS[2-ETHYLHEXYL] PHTHALATE	117-81-7	6 M	6 M	290 S	290 S	290 S	290 S
BISPHENOL A	80-05-7	1,800 G	5,100 G	120,000 S	120,000 S	120,000 S	120,000 S
BROMACIL	314-40-9	<u>[80] 70 H</u>	<u>[80] 70 H</u>	<u>[8,000] H</u> <u>7,000</u>	<u>[8,000] H</u> <u>7,000</u>	<u>[80] 70 H</u>	<u>[80] 70 H</u>
BROMOCHLOROMETHANE	74-97-5	90 H	90 H	9,000 H	9,000 H	90 H	90 H

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		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR		
BROMODICHLOROMETHANE	75-27-4	[100] <u>80</u> M	[100] <u>80</u> M	[10,000] <u>8,000</u> M	[10,000] <u>8,000</u> M	[100] <u>80</u> M	[100] <u>80</u> M
BROMOMETHANE	74-83-9	10 H	10 H	1,000 H	1,000 H	1,000 H	1,000 H
BROMOXYNIL	1689-84-5	730 G	2,000 G	73,000 G	130,000 S	730 G	2,000 G
BROMOXYNIL OCTANOATE	1689-99-2	80 S	80 S	80 S	80 S	80 S	80 S
BUTADIENE, 1,3-	106-99-0	[0.15] <u>0.19</u> [N] <u>G</u>	[0.65] <u>0.76</u> [N] <u>G</u>	[15] <u>19</u> [N] <u>G</u>	[65] <u>76</u> [N] <u>G</u>	[0.15] <u>19</u> [N] <u>G</u>	[0.65] <u>76</u> [N] <u>G</u>
BUTYL ALCOHOL, N-	71-36-3	[970] <u>3,700</u> [N] <u>G</u>	[2,000] [N] <u>10,000</u> <u>G</u>	[97,000] [N] <u>370,000</u> <u>G</u>	[200,000] [N] <u>1,000,000</u> <u>G</u>	[9,700] [N] <u>37,000</u> <u>G</u>	[20,000] [N] <u>100,000</u> <u>G</u>
BUTYLATE	2008-41-5	[350] <u>400</u> H	[350] <u>400</u> H	[35,000] <u>40,000</u> H	[35,000] <u>40,000</u> H	[350] <u>400</u> H	[350] <u>400</u> H
BUTYLBENZENE, N-	104-51-8	1,500 G	4,100 G	15,000 S	15,000 S	1,500 G	4,100 G
BUTYLBENZENE, SEC-	135-98-8	1,500 G	4,100 G	17,000 S	17,000 S	1,500 G	4,100 G
BUTYLBENZENE, TERT-	98-06-6	1,500 G	4,100 G	30,000 S	30,000 S	1,500 G	4,100 G
BUTYLBENZYL PHTHALATE	85-68-7	[2,700] <u>350</u> [S] <u>G</u>	[2,700] [S] <u>1,400</u> <u>G</u>	2,700 S	2,700 S	2,700 S	2,700 S
CAPTAN	133-06-2	[190] <u>290</u> G	500 S	500 S	500 S	500 S	500 S
CARBARYL	63-25-2	[700] <u>3,700</u> [H] <u>G</u>	[700] [H] <u>10,000</u> <u>G</u>	[70,000] [H] <u>120,000</u> <u>S</u>	[70,000] [H] <u>120,000</u> <u>S</u>	120,000 S	120,000 S
CARBAZOLE	86-74-8	33 G	130 G	1,200 S	1,200 S	1,200 S	1,200 S
CARBOFURAN	1563-66-2	40 M	40 M	4,000 M	4,000 M	40 M	40 M
CARBON DISULFIDE	75-15-0	[1,900] <u>1,500</u> N	[4,100] N <u>6,200</u>	[190,000] N <u>150,000</u>	[410,000] N <u>620,000</u>	[1,900] N <u>1,500</u>	[4,100] N <u>6,200</u>
CARBON TETRACHLORIDE	56-23-5	5 M	5 M	500 M	500 M	50 M	50 M
CARBOXIN	5234-68-4	700 H	700 H	70,000 H	70,000 H	700 H	700 H
CHLORAMBEN	133-90-4	100 H	100 H	10,000 H	10,000 H	100 H	100 H
CHLORDANE	57-74-9	2 M	2 M	56 S	56 S	56 S	56 S
CHLORO-1,1-DIFLUOROETHANE, 1-	75-68-3	[140,000] N <u>110,000</u>	[290,000] N <u>440,000</u>	1,400,000 S	1,400,000 S	[140,000] N <u>110,000</u>	[290,000] N <u>440,000</u>
CHLORO-1-PROPENE, 3- (ALLYL CHLORIDE)	107-05-1	[2.8] <u>2.1</u> N	[5.8] <u>8.8</u> N	[280] <u>210</u> N	[580] <u>880</u> N	[280] <u>210</u> N	[580] <u>880</u> N
CHLOROACETOPHENONE, 2-	532-27-4	[0.31] <u>1.1</u> G	[0.88] <u>3.1</u> G	[31] <u>110</u> G	[88] <u>310</u> G	[310] <u>1,100</u> G	[880] <u>3,100</u> G
CHLOROANILINE, P-	106-47-8	[150] <u>3.3</u> G	[410] <u>13</u> G	[15,000] <u>330</u> G	[41,000] <u>1,300</u> G	[150] <u>3.3</u> G	[410] <u>13</u> G
CHLOROBENZENE	108-90-7	100 M	100 M	10,000 M	10,000 M	10,000 M	10,000 M

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		R	NR	R	NR		
CHLOROBENZILATE	510-15-6	[2.4] <u>6</u> G	[9.6] <u>24</u> G	[240] <u>600</u> G	[960] <u>2,400</u> G	[2,400] G <u>6,000</u>	[9,600] G <u>13,000</u>
CHLOROBUTANE, 1-	109-69-3	[15,000] G <u>1,500</u>	[41,000] G <u>4,100</u>	[680,000] [S] <u>150,000</u> G	[680,000] [S] <u>410,000</u> G	[15,000] G <u>1,500</u>	[41,000] G <u>4,100</u>
CHLORODIBROMOMETHANE	124-48-1	[100] <u>80</u> M	[100] <u>80</u> M	[10,000] M <u>8,000</u>	[10,000] M <u>8,000</u>	[10,000] M <u>8,000</u>	[10,000] M <u>8,000</u>
CHLORODIFLUOROMETHANE	75-45-6	[100] <u>110,000</u> [H] <u>N</u>	[100] [H] <u>440,000</u> N	[10,000] [H] <u>2,900,000</u> S	[10,000] [H] <u>2,900,000</u> S	[100] [H] <u>110,000</u> N	[100] [H] <u>440,000</u> N
CHLOROETHANE	75-00-3	230 G	900 G	23,000 G	90,000 G	23,000 G	90,000 G
CHLOROFORM	67-66-3	[100] <u>80</u> M	[100] <u>80</u> M	[10,000] M <u>8,000</u>	[10,000] M <u>8,000</u>	[1,000] <u>800</u> M	[1,000] <u>800</u> M
CHLORONAPHTHALENE, 2-	91-58-7	2,900 G	8,200 G	12,000 S	12,000 S	2,900 G	8,200 G
CHLORONITROBENZENE, P-	100-00-5	37 G	[140] <u>100</u> G	3,700 G	[14,000] G <u>10,000</u>	37 G	[140] <u>100</u> G
CHLOROPHENOL, 2-	95-57-8	40 H	40 H	4,000 H	4,000 H	40 H	40 H
CHLOROPRENE	126-99-8	[19] <u>15</u> N	[41] <u>62</u> N	[1,900] N <u>1,500</u>	[4,100] N <u>6,200</u>	[1,900] N <u>1,500</u>	[4,100] N <u>6,200</u>
CHLOROPROPANE, 2-	75-29-6	[280] <u>210</u> N	[580] <u>880</u> N	[28,000] N <u>21,000</u>	[58,000] N <u>88,000</u>	[280] <u>210</u> N	[580] <u>880</u> N
CHLOROTHALONIL	1897-45-6	[60] <u>210</u> G	[240] <u>600</u> [G] <u>S</u>	600 S	600 S	[60] <u>210</u> G	[240] <u>600</u> [G] <u>S</u>
CHLOROTOLUENE, O-	95-49-8	100 H	100 H	10,000 H	10,000 H	100 H	100 H
CHLOROTOLUENE, P-	95-49-8	<u>100</u> H	<u>100</u> H	<u>10,000</u> H	<u>10,000</u> H	<u>100</u> H	<u>100</u> H
CHLORPYRIFOS	2921-88-2	[20] <u>2</u> H	[20] <u>2</u> H	[1,100] <u>200</u> [S] <u>H</u>	[1,100] <u>200</u> [S] <u>H</u>	[20] <u>2</u> H	[20] <u>2</u> H
CHLORSULFURON	64902-72-3	1,800 G	5,100 G	[130,000] [S] <u>180,000</u> G	[130,000] S <u>190,000</u>	1,800 G	5,100 G
CHLORTHAL-DIMETHYL (DACTHAL) (DCPA)	1861-32-1	[400] <u>70</u> H	[400] <u>70</u> H	500 S	500 S	500 S	500 S
CHRYSENE	218-01-9	1.9 S	1.9 S	1.9 S	1.9 S	1.9 S	1.9 S
CRESOLS	1319-77-3	180 G	510 G	18,000 G	51,000 G	18,000 G	51,000 G
CRESOL, 4,6-DINOTRO-O-	534-52-1	<u>3.7</u> G	<u>10</u> G	<u>370</u> G	<u>1,000</u> G	<u>3,700</u> G	<u>10,000</u> G
CRESOL, O- (METHYLPHENOL, 2-)	95-48-7	1,800 G	5,100 G	180,000 G	510,000 G	180,000 G	510,000 G
CRESOL, M (METHYLPHENOL, 3-)	108-39-4	1,800 G	5,100 G	180,000 G	510,000 G	1,800,000 G	2,500,000 S
CRESOL, P (METHYLPHENOL, 4-)	106-44-5	180 G	510 G	18,000 G	51,000 G	180,000 G	510,000 G

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CRESOL, P-CHLORO-M-	59-50-7	180 G	510 G	18,000 G	51,000 G	180 G	510 G
CROTONALDEHYDE	4170-30-3	[0.079] <u>0.35</u> [N] G	[0.34] <u>1.4</u> [N] G	[7.9] <u>35</u> [N] G	[34] <u>140</u> [N] G	[7.9] <u>35</u> [N] G	[34] <u>140</u> [N] G
CROTONALDEHYDE, TRANS-	123-73-9	[0.079] <u>0.35</u> [N] G	[0.34] <u>1.4</u> [N] G	[7.9] <u>35</u> [N] G	[34] <u>140</u> [N] G	[7.9] <u>35</u> [N] G	[34] <u>140</u> [N] G
CUMENE (<u>ISOPROPYL BENZENE</u>)	98-82-8	[1,100] <u>840</u> N	[2,300] N <u>3,500</u>	50,000 S	50,000 S	50,000 S	50,000 S
<u>CYANAZINE</u>	<u>21725-46-2</u>	<u>1</u> H	<u>1</u> H	<u>100</u> H	<u>100</u> H	<u>1</u> H	<u>1</u> H
<u>CYCLOHEXANE</u>	<u>110-82-7</u>	<u>13,000</u> N	<u>53,000</u> N	<u>55,000</u> S	<u>55,000</u> S	<u>13,000</u> N	<u>53,000</u> N
CYCLOHEXANONE	108-94-1	[49,000] [N] <u>180,000</u> G	[100,000] [N] <u>510,000</u> G	[4,900,000] [N] <u>18,000,000</u> G	[10,000,000] [N] <u>37,000,000</u> G	[49,000] [N] <u>180,000</u> G	[100,000] [N] <u>510,000</u> G
CYFLUTHRIN	68359-37-5	1 S	1 S	1 S	1 S	1 S	1 S
CYROMAZINE	66215-27-8	270 G	770 G	27,000 G	77,000 G	270 G	770 G
DDD, 4,4'-	72-54-8	[0.62] <u>2.8</u> [N] G	[2.7] <u>11</u> [N] G	[62] <u>160</u> [N] S	160 S	[62] <u>160</u> [N] S	160 S
DDE, 4,4'-	72-55-9	1.9 G	7.6 G	40 S	40 S	40 S	40 S
DDT, 4,4'-	50-29-3	1.9 G	5.5 S	5.5 S	5.5 S	5.5 S	5.5 S
DI(2-ETHYLHEXYL)ADIPATE	103-23-1	400 M	400 M	40,000 M	40,000 M	200,000 S	200,000 S
DIALATE	2303-16-4	[2.5] <u>11</u> [N] G	[10] <u>43</u> [N] G	[250] <u>1,100</u> [N] G	[1,000] [N] <u>4,300</u> G	[250] <u>11,000</u> [N] G	[1,000] [N] <u>40,000</u> S
DIAMINOTOLUENE, 2,4-	95-80-7	[0.21] <u>0.17</u> G	[0.81] <u>0.68</u> G	[21] <u>17</u> G	[81] <u>68</u> G	[210] <u>170</u> G	[810] <u>680</u> G
DIAZINON	333-41-5	[0.6] <u>1</u> H	[0.6] <u>1</u> H	[60] <u>100</u> H	[60] <u>100</u> H	[0.6] <u>1</u> H	[0.6] <u>1</u> H
DIBENZO[A,H]ANTHRACENE	53-70-3	[0.09] <u>0.029</u> G	0.36 G	0.6 S	0.6 S	0.6 S	0.6 S
<u>DIBENZOFURAN</u>	<u>132-64-9</u>	<u>37</u> G	<u>100</u> G	<u>3,700</u> S	<u>4,500</u> S	<u>4,500</u> S	<u>4,500</u> S
DIBROMO-3-CHLOROPROPANE, 1,2-	96-12-8	0.2 M	0.2 M	20 M	20 M	20 M	20 M
DIBROMOBENZENE, 1,4-	106-37-6	370 G	1,000 G	20,000 S	20,000 S	370 G	1,000 G
DIBROMOETHANE, 1,2- (ETHYLENE DIBROMIDE)	106-93-4	0.05 M	0.05 M	5 M	5 M	5 M	5 M
DIBROMOMETHANE	74-95-3	[97] <u>370</u> [N] G	[200] <u>1,000</u> [N] G	[9,700] [N] <u>37,000</u> G	[20,000] [N] <u>100,000</u> G	[9,700] [N] <u>37,000</u> G	[20,000] [N] <u>100,000</u> G
DIBUTYL PHTHALATE, N-	84-74-2	3,700 G	10,000 G	370,000 G	400,000 S	400,000 S	400,000 S
<u>DICAMBA</u>	<u>1918-00-9</u>	<u>4,000</u> H	<u>4,000</u> H	<u>400,000</u> H	<u>400,000</u> H	<u>4,000</u> H	<u>4,000</u> H
<u>DICHLOROACETIC ACID</u>	<u>76-43-6</u>	<u>60</u> M	<u>60</u> M	<u>6,000</u> M	<u>6,000</u> M	<u>60</u> M	<u>60</u> M
DICHLORO-2-BUTENE, 1,4-	764-41-0	[0.016] <u>0.012</u> N	[0.069] N <u>0.06</u>	[1.6] <u>1.2</u> N	[6.9] <u>6</u> N	[0.016] N <u>0.012</u>	[0.069] <u>0.06</u> N

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REGULATED SUBSTANCE	CASRN	USED AQUIFERS				NON-USE AQUIFERS	
		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR		
<u>DICHLORO-2-BUTENE, TRANS-1-4,</u>	<u>110-57-6</u>	<u>0.012</u> N	<u>0.06</u> N	<u>1.2</u> N	<u>6</u> N	<u>0.012</u> N	<u>0.06</u> N
DICHLOROBENZENE, 1,2-	95-50-1	600 M	600 M	60,000 M	60,000 M	60,000 M	60,000 M
DICHLOROBENZENE, 1,3-	541-73-1	600 H	600 H	60,000 H	60,000 H	60,000 H	60,000 H
DICHLOROBENZENE, P-	106-46-7	75 M	75 M	7,500 M	7,500 M	7,500 M	7,500 M
DICHLOROBENZIDINE, 3,3'-	91-94-1	1.5 G	5.8 G	150 G	580 G	1,500 G	3,100 S
DICHLORODIFLUOROMETHANE (FREON 12)	75-71-8	1,000 H	1,000 H	100,000 H	100,000 H	100,000 H	100,000 H
DICHLOROETHANE, 1,1-	75-34-3	[27] <u>31</u> N	[110] <u>160</u> N	[2,700] <u>3,100</u> N	[11,000] <u>16,000</u> N	[270] <u>310</u> N	[1,100] <u>1,600</u> N
DICHLOROETHANE, 1,2-	107-06-2	5 M	5 M	500 M	500 M	50 M	50 M
DICHLOROETHYLENE, 1,1-	75-35-4	7 M	7 M	700 M	700 M	70 M	70 M
DICHLOROETHYLENE, CIS-1,2-	156-59-2	70 M	70 M	7,000 M	7,000 M	700 M	700 M
DICHLOROETHYLENE, TRANS-1,2-	156-60-5	100 M	100 M	10,000 M	10,000 M	1,000 M	1,000 M
DICHLOROMETHANE (METHYLENE CHLORIDE)	75-09-2	5 M	5 M	500 M	500 M	500 M	500 M
DICHLOROPHENOL, 2,4-	120-83-2	20 H	20 H	2,000 H	2,000 H	20,000 H	20,000 H
DICHLOROPHENOXYACETIC ACID, 2,4- (2,4-D)	94-75-7	70 M	70 M	7,000 M	7,000 M	[7,000] <u>70,000</u> M	[7,000] <u>70,000</u> M
DICHLOROPROPANE, 1,2-	78-87-5	5 M	5 M	500 M	500 M	50 M	50 M
DICHLOROPROPENE, 1,3-	542-75-6	6.6 G	26 G	660 G	2,600 G	660 G	2,600 G
DICHLOROPROPIONIC ACID, 2,2- (DALAPON)	75-99-0	200 M	200 M	20,000 M	20,000 M	20,000 M	20,000 M
DICHLORVOS	62-73-7	[0.52] <u>2.3</u> [N] G	[2.2] <u>9</u> [N] G	[52] <u>230</u> [N] G	[220] <u>900</u> [N] G	[0.52] <u>2.3</u> [N] G	[2.2] <u>9</u> [N] G
DICYCLOPENTADIENE	77-73-6	[0.55] <u>15</u> N	[1.2] <u>62</u> N	[55] <u>1,500</u> N	[120] <u>6,200</u> N	[0.55] <u>15</u> N	[1.2] <u>62</u> N
DIELDRIN	60-57-1	0.041 G	0.16 G	4.1 G	16 G	41 G	160 G
DIETHYL PHTHALATE	84-66-2	[5,000] [H] <u>29,000</u> G	[5,000] [H] <u>82,000</u> G	[500,000] [H] <u>1,100,000</u> S	[500,000] [H] <u>1,100,000</u> S	1,100,000 S	1,100,000 S
DIFLUBENZURON	35367-38-5	200 S	200 S	200 S	200 S	200 S	200 S
<u>DIISOPROPYL METHYLPHOSPHONATE</u>	<u>1445-75-6</u>	<u>600</u> H	<u>600</u> H	<u>60,000</u> H	<u>60,000</u> H	<u>600</u> H	<u>600</u> H
DIMETHOATE	60-51-5	7.3 G	20 G	730 G	2,000 G	7,300 G	20,000 G
DIMETHOXYBENZIDINE, 3,3-	119-90-4	47 G	190 G	4,700 G	19,000 G	47,000 G	60,000 S
<u>DIMETHRIN</u>	<u>70-38-2</u>	<u>36</u> S	<u>36</u> S	<u>36</u> S	<u>36</u> S	<u>36</u> S	<u>36</u> S
DIMETHYLAMINOAZOBENZENE, P-	60-11-7	0.14 G	0.57 G	14 G	57 G	140 G	570 G
DIMETHYLANILINE, N,N-	121-69-7	73 G	200 G	7,300 G	20,000 G	7,300 G	20,000 G
DIMETHYLBENZIDINE, 3,3-	119-93-7	[0.072] <u>0.06</u> G	[0.28] <u>0.24</u> G	[7.2] <u>6</u> G	[28] <u>24</u> G	[72] <u>60</u> G	[280] <u>240</u> G

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		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR		
<u>DIMETHYL METHYLPHOSPHONATE</u>	<u>756-79-6</u>	<u>100 H</u>	<u>100 H</u>	<u>10,000 H</u>	<u>10,000 H</u>	<u>100 H</u>	<u>100 H</u>
DIMETHYLPHENOL, 2,4-	105-67-9	730 G	2,000 G	73,000 G	200,000 G	730,000 G	2,000,000 G
DINITROBENZENE, 1,3-	99-65-0	1 H	1 H	100 H	100 H	1,000 H	1,000 H
DINITROPHENOL, 2,4-	51-28-5	[19] <u>73</u> [N] <u>G</u>	[41] <u>200</u> [N] <u>G</u>	[1,900] [N] <u>7,300 G</u>	[4,100] [N] <u>20,000 G</u>	[190] <u>73,000</u> [N] <u>G</u>	[410] [N] <u>200,000 G</u>
DINITROTOLUENE, 2,4-	121-14-2	2.1 G	8.4 G	210 G	840 G	2,100 G	8,400 G
DINITROTOLUENE, 2,6- (2,6-DNT)	606-20-2	37 G	100 G	3,700 G	10,000 G	37,000 G	100,000 G
DINOSEB	88-85-7	7 M	7 M	700 M	700 M	[700] 7,000 M	[700] 7,000 M
DIOXANE, 1,4-	123-91-1	[5.6] <u>6.4</u> N	[24] <u>32</u> N	[560] <u>640</u> N	[2,400] N <u>3,200</u>	[56] <u>64</u> N	[240] <u>320</u> N
DIPHENAMID	957-51-7	200 H	200 H	20,000 H	20,000 H	200 H	200 H
DIPHENYLAMINE	122-39-4	[200] <u>910</u> [H] <u>G</u>	[200] <u>2,600</u> [H] <u>G</u>	[20,000] [H] <u>91,000 G</u>	[20,000] [H] <u>260,000 G</u>	[200,000] [H] <u>300,000 S</u>	[200,000] [H] <u>300,000 S</u>
DIPHENYLHYDRAZINE, 1,2-	122-66-7	0.83 G	3.3 G	83 G	250 S	250 <u>S</u>	250 S
DIQUAT	85-00-7	20 M	20 M	2,000 M	2,000 M	20 M	20 M
DISULFOTON	298-04-4	[0.3] <u>0.7</u> H	[0.3] <u>0.7</u> H	[30] <u>70</u> H	[30] <u>70</u> H	[30] <u>700</u> H	[30] <u>700</u> H
<u>DITHIANE, 1,4-</u>	<u>505-29-3</u>	<u>80 H</u>	<u>80 H</u>	<u>8,000 H</u>	<u>8,000 H</u>	<u>80 H</u>	<u>80 H</u>
DIURON	330-54-1	[10] <u>73</u> [H] <u>G</u>	[10] <u>200</u> [H] <u>G</u>	[1,000] [H] <u>7,300 G</u>	[1,000] [H] <u>20,000 G</u>	[10] <u>73</u> [H] <u>G</u>	[10] <u>200</u> [H] <u>G</u>
ENDOSULFAN	115-29-7	[58] <u>220</u> [N] <u>G</u>	[120] <u>480</u> [N] <u>S</u>	480 S	480 S	480 S	480 S
ENDOSULFAN I (APLHA)	959-98-8	220 G	500 S	500 S	500 S	220 G	500 S
ENDOSULFAN II (BETA)	33213-65-9	220 G	450 S	450 S	450 S	220 G	450 S
ENDOSULFAN SULFATE	1031-07-8	120 S	120 S	120 S	120 S	120 S	120 S
ENDOTHALL	145-73-3	100 M	100 M	10,000 M	10,000 M	100 M	100 M
ENDRIN	72-20-8	2 M	2 M	200 M	200 M	2 M	2 M
EPICHLOROHYDRIN	106-89-8	[2.8] <u>2.1</u> N	[5.8] <u>8.8</u> N	[280] <u>210</u> N	[580] <u>880</u> N	[280] <u>210</u> N	[580] <u>880</u> N
ETHEPHON	16672-87-0	180 G	510 G	18,000 G	51,000 G	180 G	510 G
ETHION	563-12-2	18 G	51 G	850 S	850 S	18 G	51 G
ETHOXYETHANOL, 2- (EGEE)	110-80-5	[550] <u>420</u> N	[1,200] N <u>1,800</u>	[55,000] N <u>42,000</u>	[120,000] N <u>180,000</u>	[55,000] N <u>42,000</u>	[120,000] N <u>180,000</u>
ETHYL ACETATE	141-78-6	[8,700] [N] <u>33,000 G</u>	[18,000] [N] <u>92,000 G</u>	[870,000] [N] <u>3,300,000 G</u>	[1,800,000] [N] <u>9,200,000 G</u>	[870,000] [N] <u>3,300,000 G</u>	[1,800,000] [N] <u>9,200,000 G</u>

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		R	NR	R	NR		
ETHYL ACRYLATE	140-88-5	[3.1] <u>14</u> [N] G	[13] <u>54</u> [N] G	[310] <u>1,400</u> [N] G	[1,300] [N] <u>5,400</u> G	[310] <u>1,400</u> [N] G	[1,300] [N] <u>5,400</u> G
ETHYL BENZENE	100-41-4	700 M	700 M	70,000 M	70,000 M	70,000 M	70,000 M
ETHYL DIPROPYLTHIOCARBAMATE, S- (EPTC)	759-94-4	910 G	2,600 G	91,000 G	260,000 G	910 G	2,600 G
ETHYL ETHER	60-29-7	[1,900] <u>7,300</u> [N] G	[4,100] [N] <u>20,000</u> G	[190,000] [N] <u>730,000</u> G	[410,000] [N] <u>2,000,000</u> G	[1,900] [N] <u>7,300</u> G	[4,100] [N] <u>20,000</u> G
ETHYL METHACRYLATE	97-63-2	[870] <u>3,300</u> [N] G	[1,800] [N] <u>9,200</u> G	[87,000] [N] <u>330,000</u> G	[180,000] [N] <u>920,000</u> G	[870] <u>3,300</u> [N] G	[1,800] [N] <u>9,200</u> G
ETHYLENE GLYCOL	107-21-1	14,000 H	14,000 H	1,400,000 H	1,400,000 H	1,400,000 H	1,400,000 H
ETHYLENE THIOUREA (ETU)	96-45-7	[3] <u>2.9</u> [H] G	[3] <u>8.2</u> [H] G	[300] <u>290</u> [H] G	[300] <u>820</u> [H] G	[3,000] [H] <u>2,900</u> G	[3,000] [H] <u>8,200</u> G
ETHYLP-NITROPHENYL PHENYLPHOSPHOROTHIOATE	2104-64-5	0.37 G	1 G	37 G	100 G	0.37 G	1 G
FENAMIPHOS	22224-92-6	[2] <u>0.7</u> H	[2] <u>0.7</u> H	[200] <u>70</u> H	[200] <u>70</u> H	[2] <u>0.7</u> H	[2] <u>0.7</u> H
FENVALERATE (PYDRIN)	51630-58-1	85 S	85 S	85 S	85 S	85 S	85 S
FLUOMETURON (FLUOMETRON IN EPA FEB 96)	2164-17-2	90 H	90 H	9,000 H	9,000 H	90 H	90 H
FLUORANTHENE	206-44-0	260 S	260 S	260 S	260 S	260 S	260 S
FLUORENE	86-73-7	1,500 G	1,900 S	1,900 S	1,900 S	1,900 S	1,900 S
FLUOROTRICHLOROMETHANE (FREON 11)	75-69-4	2,000 H	2,000 H	200,000 H	200,000 H	200,000 H	200,000 H
FONOFOS	944-22-9	10 H	10 H	1,000 H	1,000 H	10 H	10 H
FORMALDEHYDE	50-00-0	1,000 H	1,000 H	100,000 H	100,000 H	100,000 H	100,000 H
FORMIC ACID	64-18-6	[19,000] <u>6.3</u> N	[41,000] <u>26</u> N	[1,900,000] N <u>630</u>	[4,100,000] N <u>2,600</u>	[190,000] <u>63</u> N	[410,000] N <u>260</u>
FOSETYL-AL	39148-24-8	110,000 G	310,000 G	11,000,000 G	31,000,000 G	110,000 G	310,000 G
FURAN	110-00-9	[9.7] <u>37</u> [N] G	[20] <u>100</u> [N] G	[970] <u>3,700</u> [N] G	[2,000] [N] <u>10,000</u> G	[970] <u>3,700</u> [N] G	[2,000] [N] <u>10,000</u> G
FURFURAL	98-01-1	110 [G] N	[290] <u>310</u> [N] G	11,000 [G] N	[29,000] [N] <u>31,000</u> G	110 [G] N	[290] <u>310</u> [N] G
GLYPHOSATE	1071-83-6	700 M	700 M	70,000 M	70,000 M	700 M	700 M
HEPTACHLOR	76-44-8	0.4 M	0.4 M	40 M	40 M	180 S	180 S
HEPTACHLOR EPOXIDE	1024-57-3	0.2 M	0.2 M	20 M	20 M	200 M	200 M
HEXACHLOROBENZENE	118-74-1	1 M	1 M	6 S	6 S	6 S	6 S
HEXACHLOROBUTADIENE	87-68-3	[1] <u>8.5</u> [H] G	[1] <u>33</u> [H] G	[100] <u>850</u> [H] G	[100] <u>2,900</u> [H] S	[1,000] [H] <u>2,900</u> S	[1,000] [H] <u>2,900</u> S
HEXACHLOROCYCLOPENTADIENE	77-47-4	50 M	50 M	1,800 S	1,800 S	1,800 S	1,800 S

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		R	NR	R	NR		
HEXACHLOROETHANE	67-72-1	1 H	1 H	100 H	100 H	100 H	100 H
HEXANE	110-54-3	[550] <u>1,500</u> N	[1,200] [N] <u>6,100</u> G	9,500 S	9,500 S	[550] <u>1,500</u> N	[1,200] [N] <u>6,100</u> G
HEXAZINONE	51235-04-2	<u>400</u> H	<u>400</u> H	<u>40,000</u> H	<u>40,000</u> H	<u>400</u> H	<u>400</u> H
HEXYTHIAZOX (SAVEY)	78587-05-0	500 S	500 S	500 S	500 S	500 S	500 S
HMX	2691-41-0	<u>400</u> H	<u>400</u> H	<u>5,000</u> S	<u>5,000</u> S	<u>400</u> H	<u>400</u> H
HYDRAZINE/HYDRAZINE SULFATE	302-01-2	[0.0088] <u>0.01</u> N	[0.038] N <u>0.051</u>	[0.88] <u>1</u> N	[3.8] <u>5.1</u> N	[0.088] <u>0.1</u> N	[0.38] <u>0.51</u> N
HYDROQUINONE	123-31-9	[1,500] <u>12</u> G	[4,100] <u>46</u> G	[150,000] G <u>1,200</u>	[410,000] G <u>4,600</u>	[1,500,000] G <u>12,000</u>	[4,100,000] G <u>46,000</u>
INDENO[1,2,3-CD]PYRENE	193-39-5	[0.9] <u>0.29</u> G	3.6 G	[62] <u>29</u> [S] G	62 S	62 S	62 S
IPRODIONE	36734-19-7	1,500 G	4,100 G	13,000 S	13,000 S	1,500 G	4,100 G
ISOBUTYL ALCOHOL	78-83-1	[2,900] [N] <u>11,000</u> G	[6,100] [N] <u>31,000</u> G	[290,000] [N] <u>1,100,000</u> G	[610,000] [N] <u>3,100,000</u> G	[290,000] [N] <u>1,100,000</u> G	[610,000] [N] <u>3,100,000</u> G
ISOPHORONE	78-59-1	100 H	100 H	10,000 H	10,000 H	100,000 H	100,000 H
ISOPROPYL METHYLPHOSPHONATE	1832-54-8	<u>700</u> H	<u>700</u> H	<u>70,000</u> H	<u>70,000</u> H	<u>700</u> H	<u>700</u> H
KEPONE	143-50-0	0.041 G	0.16 G	4.1 G	16 G	41 G	160 G
MALATHION	121-75-5	100 H	100 H	10,000 H	10,000 H	[10,000] H <u>100,000</u>	[10,000] H <u>100,000</u>
MALEIC HYDRAZIDE	123-33-1	4,000 H	4,000 H	400,000 H	400,000 H	4,000 H	4,000 H
MANEB	12427-38-2	180 G	510 G	18,000 G	23,000 S	180 G	510 G
MERPHOS OXIDE	78-48-8	1.1 G	3.1 G	110 G	310 G	1.1 G	3.1 G
METHACRYLONITRILE	126-98-7	[1.9] <u>1.5</u> N	[4.1] <u>6.2</u> N	[190] <u>150</u> N	[410] <u>620</u> N	[1.9] <u>1.5</u> N	[4.1] <u>6.2</u> N
METHAMIDOPHOS	10265-92-6	1.8 G	5.1 G	180 G	510 G	1.8 G	5.1 G
METHANOL	67-56-1	[4,900] <u>8,400</u> N	[10,000] N <u>35,000</u>	[490,000] N <u>840,000</u>	[1,000,000] N <u>3,500,000</u>	[490,000] N <u>840,000</u>	[1,000,000] N <u>3,500,000</u>
METHOMYL	16752-77-5	200 H	200 H	20,000 H	20,000 H	200 H	200 H
METHOXYCHLOR	72-43-5	40 M	40 M	45 S	45 S	45 S	45 S
METHOXYETHANOL, 2-	109-86-4	[37] <u>42</u> [G] N	[100] <u>180</u> [G] N	[3,700] [G] <u>4,200</u> N	[10,000] [G] <u>18,000</u> N	[37] <u>42</u> [G] N	[100] <u>180</u> [G] N
METHYL ACETATE	79-20-9	37,000 G	100,000 G	3,700,000 G	10,000,000 G	37,000 G	100,000 G
METHYL ACRYLATE	96-33-3	1,100 G	3,100 G	110,000 G	310,000 G	110,000 G	310,000 G
METHYL CHLORIDE	74-87-3	[3] <u>30</u> H	[3] <u>30</u> H	[300] <u>3,000</u> H	[300] <u>3,000</u> H	[300] <u>3,000</u> H	[300] <u>3,000</u> H

All concentrations in µg/L

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REGULATED SUBSTANCE	CASRN	USED AQUIFERS				NON-USE AQUIFERS	
		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR	R	NR
METHYL ETHYL KETONE	78-93-3	[2,800] <u>4,000</u> [N] H	[5,800] [N] <u>4,000</u> H	[280,000] [N] <u>400,000</u> H	[580,000] [N] <u>400,000</u> H	[280,000] [N] <u>400,000</u> H	[580,000] [N] <u>400,000</u> H
METHYL ISOBUTYL KETONE	108-10-1	[190] <u>2,900</u> [N] G	4[10] <u>8,200</u> [N] G	[19,000] [N] <u>290,000</u> G	[41,000] [N] <u>820,000</u> G	[19,000] [N] <u>290,000</u> G	[41,000] [N] <u>820,000</u> G
<u>METHYL ISOCYANATE</u>	<u>624-83-9</u>	<u>2.1</u> N	<u>8.8</u> N	<u>210</u> N	<u>880</u> N	<u>2.1</u> N	<u>8.8</u> N
<u>METHYL-N-BUTYL KETONE (2-HEXANONE)</u>	<u>591-78-6</u>	<u>11</u> N	<u>44</u> N	<u>1,100</u> N	<u>4,400</u> N	<u>11</u> N	<u>44</u> N
METHYL METHACRYLATE	80-62-6	[1,900] <u>1,500</u> N	[4,100] N <u>6,200</u>	[190,000] N <u>150,000</u>	[410,000] N <u>620,000</u>	[190,000] N <u>150,000</u>	[410,000] N <u>620,000</u>
METHYL METHANESULFONATE	66-27-3	6.7 G	26 G	670 G	2,600 G	6.7 G	26 G
METHYL PARATHION	298-00-0	[2] <u>1</u> H	[2] <u>1</u> H	[200] <u>100</u> H	[200] <u>100</u> H	[200] <u>1,000</u> H	[200] <u>1,000</u> H
METHYL STYRENE (MIXED ISOMERS)	25013-15-4	[220] <u>84</u> [G] N	[610] <u>350</u> [G] N	[22,000] [G] <u>8,400</u> N	[61,000] [G] <u>35,000</u> N	[220] <u>84</u> [G] N	[610] <u>350</u> [G] N
METHYL TERT-BUTYL ETHER (MTBE)	1634-04-4	20 [H]	20 [H]	2,000 [H]	2,000 [H]	200 [H]	200 [H]
<u>METHYLCHLOROPHENOXYACETIC ACID (MCPA)</u>	<u>94-74-6</u>	<u>30</u> H	<u>30</u> H	<u>3,000</u> H	<u>3,000</u> H	<u>30,000</u> H	<u>30,000</u> H
METHYLENE BIS(2-CHLOROANILINE), 4,4'-	101-14-4	[5.1] <u>2.2</u> G	[20] <u>26</u> G	[510] <u>220</u> G	[2,000] G <u>2,600</u>	[5.1] <u>2.2</u> G	[20] <u>26</u> G
METHYLNAPHTHALENE, 2-	91-57-6	[730] <u>150</u> G	[2,000] <u>410</u> G	[25,000] [S] <u>15,000</u> G	25,000 S	[730] <u>150</u> G	[2,000] <u>410</u> G
METHYLSTYRENE, ALPHA	98-83-9	[680] <u>2,600</u> [N] G	[1,400] [N] <u>7,200</u> G	[68,000] [N] <u>260,000</u> G	[140,000] [N] <u>560,000</u> S	[680] <u>2,600</u> [N] G	[1,400] [N] <u>7,200</u> G
<u>METOLACHLOR</u>	<u>51218-45-2</u>	<u>700</u> H	<u>700</u> H	<u>70,000</u> H	<u>70,000</u> H	<u>700</u> H	<u>700</u> H
<u>METRIBUZIN</u>	<u>21087-64-9</u>	<u>70</u> H	<u>70</u> H	<u>7,000</u> H	<u>7,000</u> H	<u>70</u> H	<u>70</u> H
<u>MONOCHLOROACETIC ACID</u>	<u>79-11-8</u>	<u>70</u> H	<u>70</u> H	<u>7,000</u> H	<u>7,000</u> H	<u>70</u> H	<u>70</u> H
NAPHTHALENE	91-20-3	100 H	100 H	10,000 H	10,000 H	30,000 S	30,000 S
NAPHTHYLAMINE, 1-	134-32-7	0.37 G	1.4 G	37 G	140 G	370 G	1,400 G
NAPHTHYLAMINE, 2-	91-59-8	0.37 G	1.4 G	37 G	140 G	370 G	1,400 G
NAPROPAMIDE	15299-99-7	3,700 G	10,000 G	70,000 S	70,000 S	3,700 G	10,000 G
NITROANILINE, M-	99-09-2	[2.1] <u>11</u> G	[5.8] <u>31</u> G	[210] <u>1,100</u> G	[580] <u>3,100</u> G	[2.1] <u>11</u> G	[5.8] <u>31</u> G
NITROANILINE, O-	88-74-4	[2.1] <u>110</u> G	[5.8] <u>310</u> G	[210] <u>11,000</u> G	[580] <u>31,000</u> G	[2.1] <u>110</u> G	[5.8] <u>310</u> G
NITROANILINE, P-	100-01-6	[2.1] <u>33</u> G	[5.8] <u>130</u> G	[210] <u>3,300</u> G	[580] <u>13,000</u> G	[2.1] <u>33</u> G	[5.8] <u>130</u> G
NITROBENZENE	98-95-3	[18] <u>73</u> G	[51] <u>200</u> G	[1,800] G <u>7,300</u>	[5,100] G <u>20,000</u>	[18,000] G <u>73,000</u>	[51,000] G <u>200,000</u>
<u>NITROGUANIDINE</u>	<u>556-88-7</u>	<u>700</u> H	<u>700</u> H	<u>70,000</u> H	<u>70,000</u> H	<u>700</u> H	<u>700</u> H
NITROPHENOL, 2-	88-75-5	290 G	820 G	29,000 G	82,000 G	290,000 G	820,000 G

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REGULATED SUBSTANCE	CASRN	USED AQUIFERS				NON-USE AQUIFERS	
		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR		
NITROPHENOL, 4-	100-02-7	60 H	60 H	6,000 H	6,000 H	60,000 H	60,000 H
NITROPROPANE, 2-	79-46-9	[0.016] 0.018 N	[0.068] 0.093 N	[1.6] 1.8 N	[6.8] 9.3 N	[0.16] 0.18 N	[0.68] 0.93 N
NITROSODIETHYLAMINE, N-	55-18-5	[0.001] 0.00045 N	[0.0043] 0.0058 N	[0.1] 0.045 N	[0.43] 0.58 N	[0.01] 0.0045 N	[0.043] 0.058 N
NITROSODIMETHYLAMINE, N-	62-75-9	[0.0031] 0.0014 N	[0.013] 0.018 N	[0.31] 0.14 N	[1.3] 1.8 N	[0.031] 0.014 N	[0.13] 0.18 N
NITROSO-DI-N-BUTYLAMINE, N-	924-16-3	[0.027] 0.12 [N] G	[0.11] 0.48 [N] G	[2.7] 12 [N] G	[11] 48 [N] G	[2.7] 120 [N] G	[11] 480 [N] G
NITROSODI-N-PROPYLAMINE, N-	621-64-7	0.094 G	0.37 G	9.4 G	37 G	94 G	370 G
NITROSODIPHENYLAMINE, N-	86-30-6	130 G	530 G	13,000 G	35,000 S	35,000 S	35,000 S
NITROSO-N-ETHYLUREA, N-	759-73-9	[0.0047] 0.008 G	[0.019] 0.096 G	[0.47] 0.8 G	[1.9] 9.6 G	[0.47] 8 G	[1.9] 96 G
OCTYL PHTHALATE, DI-N-	117-84-0	[730] 1,500 G	[2,000] 3,000 [G] S	3,000 S	3,000 S	3,000 S	3,000 S
OXAMYL (VYDATE)	23135-22-0	200 M	200 M	20,000 M	20,000 M	200 M	200 M
PARAQUAT	1910-42-5	30 H	30 H	3,000 H	3,000 H	30 H	30 H
PARATHION	56-38-2	220 G	610 G	20,000 S	20,000 S	220 G	610 G
PCB-1016 (AROCLOR)	12674-11-2	2.6 G	7.2 G	250 S	250 S	2.6 G	7.2 G
PCB-1221 (AROCLOR)	11104-28-2	[1.3] 0.33 G	[5.2] 1.3 G	[130] 33 G	[520] 130 G	[1.3] 0.33 G	[5.2] 1.3 G
PCB-1232 (AROCLOR)	11141-16-5	[1.3] 0.33 G	[5.2] 1.3 G	[130] 33 G	[520] 130 G	[1.3] 0.33 G	[5.2] 1.3 G
PCB-1242 (AROCLOR)	53469-21-9	[1.3] 0.33 G	[5.2] 1.3 G	[100] 33 [S] G	100 S	[1.3] 0.33 G	[5.2] 1.3 G
PCB-1248 (AROCLOR)	12672-29-6	[0.37] 0.33 G	[1.4] 1.3 G	[37] 33 G	54 S	[0.37] 0.33 G	[1.4] 1.3 G
PCB-1254 (AROCLOR)	11097-69-1	[0.37] 0.33 G	[1.4] 1.3 G	[37] 33 G	57 S	[0.37] 0.33 G	[1.4] 1.3 G
PCB-1260 (AROCLOR)	11096-82-5	[1.1] 0.33 G	[4.3] 1.3 G	[80] 33 [S] G	80 S	[1.1] 0.33 G	[4.3] 1.3 G
PEBULATE	1114-71-2	1,800 G	5,100 G	92,000 S	92,000 S	1,800 G	5,100 G
PENTACHLOROBENZENE	608-93-5	29 G	82 G	740 S	740 S	740 S	740 S
PENTACHLOROETHANE	76-01-7	7.3 G	29 G	730 G	2,900 G	7.3 G	29 G
PENTACHLORONITROBENZENE	82-68-8	2.5 G	10 G	250 G	440 S	440 S	440 S
PENTACHLOROPHENOL	87-86-5	1 M	1 M	100 M	100 M	1,000 M	1,000 M
PHENACETIN	62-44-2	300 G	1,200 G	30,000 G	120,000 G	300,000 G	760,000 S
PHENANTHRENE	85-01-8	1,100 S	1,100 S	1,100 S	1,100 S	1,100 S	1,100 S

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		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR	R	NR
PHENOL	108-95-2	2,000 H	2,000 H	200,000 H	200,000 H	200,000 H	200,000 H
PHENYL MERCAPTAN	109-98-5	0.37 G	1 G	37 G	100 G	0.37 G	1 G
PHENYLENEDIAMINE, M-	108-45-2	220 G	610 G	22,000 G	61,000 G	220,000 G	610,000 G
PHENYLPHENOL, 2-	90-43-7	[340] 350 G	[1,300] 1,400 G	[34,000] 35,000 G	[130,000] 140,000 G	[340,000] 350,000 G	700,000 S
PHORATE	298-02-2	[1.9] 7.3 [N] G	[4.1] 20 [N] G	[190] 730 [N] G	[410] 2,000 [N] G	[1.9] 7.3 [N] G	[4.1] 20 [N] G
PHTHALIC ANHYDRIDE	85-44-9	73,000 G	200,000 G	6,200,000 S	6,200,000 S	6,200,000 S	6,200,000 S
PICLORAM	1918-02-1	500 M	500 M	50,000 M	50,000 M	500 M	500 M
POLYCHLORINATED BIPHENYLS (PCBS)	1336-36-3	0.5 M	0.5 M	50 M	50 M	0.5 M	0.5 M
PROMETON	1610-18-0	100 H	100 H	10,000 H	10,000 H	100 H	100 H
PRONAMIDE	23950-58-5	[50] 2,700 [H] G	[50] 7,700 [H] G	[5,000] [H] 15,000 S	[5,000] [I] 15,000 S	[50] 2,700 [H] G	[50] 7,700 [H] G
PROPANIL	709-98-8	180 G	510 G	18,000 G	51,000 G	180 G	510 G
PROPANOL, 2- (ISOPROPYL ALCOHOL)	67-63-0	15,000 N	62,000 N	1,500,000 N	6,200,000 N	15,000 N	62,000 N
PROPAZINE	139-40-2	10 H	10 H	1,000 H	1,000 H	10 H	10 H
PROPHAM	122-42-9	[730] 100 [G] H	[2,000] 100 [G] H	[73,000] [G] 10,000 H	[200,000] [G] 10,000 H	[730] 100 [G] H	[2,000] 100 [G] H
PROPYLBENZENE, N-	103-65-1	1,500 G	4,100 G	52,000 S	52,000 S	1,500 G	4,100 G
PROPYLENE OXIDE	75-56-9	2.8 G	11 G	280 G	1,100 G	2.8 G	11 G
PYRENE	129-00-0	130 S	130 S	130 S	130 S	130 S	130 S
PYRIDINE	110-86-1	[9.7] 37 [N] G	[20] 100 [N] G	[970] 3,700 [N] G	[2,000] [N] 10,000 G	[97] 370 [N] G	[200] 1,000 [N] G
QUINOLINE	91-22-5	[0.055] 0.22 G	[0.22] 0.87 G	[5.5] 22 G	[22] 87 G	[55] 220 G	[220] 870 G
QUIZALOFOP (ASSURE)	76578-14-8	300 S	300 S	300 S	300 S	300 S	300 S
RDX	121-82-4	2 H	2 H	200 H	200 H	2 H	2 H
RESORCINOL	108-46-3	73,000 G	200,000 G	7,300,000 G	20,000,000 G	73,000 G	200,000 G
RONNEL	299-84-3	1,800 G	5,100 G	40,000 S	40,000 S	1,800 G	5,100 G
SIMAZINE	122-34-9	4 M	4 M	400 M	400 M	4 M	4 M
STRYCHNINE	57-24-9	11 G	31 G	1,100 G	3,100 G	11,000 G	31,000 G
STYRENE	100-42-5	100 M	100 M	10,000 M	10,000 M	10,000 M	10,000 M
TEBUTHIURON	34014-18-1	500 H	500 H	50,000 H	50,000 H	500 H	500 H
TERBACIL	5902-51-2	90 H	90 H	9,000 H	9,000 H	90 H	90 H

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		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR		
TERBUFOS	13071-79-9	[0.9] <u>0.4</u> H	[0.9] <u>0.4</u> H	[90] <u>40</u> H	[90] <u>40</u> H	[0.9] <u>0.4</u> H	[0.9] <u>0.4</u> H
TETRACHLOROBENZENE, 1,2,4,5-	95-94-3	11 G	31 G	580 S	580 S	580 S	580 S
TETRACHLORODIBENZO-P-DIOXIN, 2,3,7,8- (TCDD)	1746-01-6	0.00003 M	0.00003 M	0.003 M	0.003 M	0.019 S	0.019 S
TETRACHLOROETHANE, 1,1,1,2-	630-20-6	70 H	70 H	7,000 H	7,000 H	7,000 H	7,000 H
TETRACHLOROETHANE, 1,1,2,2-	79-34-5	0.3 H	0.3 H	30 H	30 H	30 H	30 H
TETRACHLOROETHYLENE (PCE)	127-18-4	5 M	5 M	500 M	500 M	50 M	50 M
TETRACHLOROPHENOL, 2,3,4,6-	58-90-2	[290] <u>1,100</u> [N] G	[610] <u>3,100</u> [N] G	[29,000] [N] <u>110,000</u> G	[61,000] [N] <u>180,000</u> S	[29,000] [N] <u>180,000</u> S	[61,000] [N] <u>180,000</u> S
TETRAETHYL LEAD	78-00-2	0.0037 G	0.01 G	0.37 G	1 G	3.7 G	10 G
TETRAETHYLDITHIOPYROPHOSPHATE	3689-24-5	[4.9] <u>18</u> [N] G	[10] <u>51</u> [N] G	[490] <u>1,800</u> [N] G	[1,000] [N] <u>5,100</u> G	[4.9] <u>18</u> [N] G	[10] <u>51</u> [N] G
<u>TETRAHYDROFURAN</u>	<u>109-99-9</u>	<u>25</u> N	<u>130</u> N	<u>2,500</u> N	<u>13,000</u> N	<u>25</u> N	<u>130</u> N
THIOFANOX	39196-18-4	11 G	31 G	1,100 G	3,100 G	11 G	31 G
THIRAM	137-26-8	180 G	510 G	18,000 G	30,000 S	180 G	510 G
TOLUENE	108-88-3	1,000 M	1,000 M	100,000 M	100,000 M	100,000 M	100,000 M
TOLUIDINE, M-	108-44-1	[2.8] <u>3.7</u> G	[11] <u>14</u> G	[280] <u>370</u> G	[1,100] G <u>1,400</u>	[2.8] <u>3.7</u> G	[11] <u>14</u> G
TOLUIDINE, O	95-53-4	[2.8] <u>3.7</u> G	[11] <u>14</u> G	[280] <u>370</u> G	[1,100] G <u>1,400</u>	[2,800] G <u>3,700</u>	[11,000] G <u>14,000</u>
TOLUIDINE, P-	106-49-0	3.5 G	14 G	350 G	1,400 G	3.5 G	14 G
TOXAPHENE	8001-35-2	3 M	3 M	300 M	300 M	3 M	3 M
TRIALATE	2303-17-5	470 G	1,300 G	4,000 S	4,000 S	470 G	1,300 G
TRIBROMOMETHANE (BROMOFORM)	75-25-2	[100] <u>80</u> M	[100] <u>80</u> M	[10,000] M <u>8,000</u>	[10,000] M <u>8,000</u>	[10,000] M <u>8,000</u>	[10,000] M <u>8,000</u>
TRICHLORO-1,2,2-TRIFLUOROETHANE, 1,1,2-	76-13-1	[83,000] N <u>63,000</u>	170,000 S	170,000 S	170,000 S	170,000 S	170,000 S
TRICHLOROBENZENE, 1,2,4-	120-82-1	70 M	70 M	7,000 M	7,000 M	44,000 S	44,000 S
TRICHLOROBENZENE, 1,3,5-	108-70-3	40 H	40 H	4,000 H	4,000 H	40 H	40 H
TRICHLOROETHANE, 1,1,1-	71-55-6	200 M	200 M	20,000 M	20,000 M	2,000 M	2,000 M
TRICHLOROETHANE, 1,1,2-	79-00-5	5 M	5 M	500 M	500 M	50 M	50 M
TRICHLOROETHYLENE (TCE)	79-01-6	5 M	5 M	500 M	500 M	50 M	50 M
TRICHLOROPHENOL, 2,4,5-	95-95-4	3,700 G	10,000 G	370,000 G	1,000,000 G	1,000,000 S	1,000,000 S
TRICHLOROPHENOL, 2,4,6-	88-06-2	[11] <u>37</u> G	[31] <u>100</u> G	[1,100] G <u>3,700</u>	[3,100] G <u>10,000</u>	[11,000] G <u>37,000</u>	[31,000] G <u>100,000</u>

All concentrations in µg/L

R = Residential

NR = Non-Residential

M = Maximum Contaminant Level

H = Lifetime health advisory level

G = Ingestion

N = Inhalation

S = Aqueous solubility cap

APPENDIX A

TABLE 1 – MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN GROUNDWATER

REGULATED SUBSTANCE	CASRN	USED AQUIFERS				NON-USE AQUIFERS	
		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR		
TRICHLOROPHENOXYACETIC ACID, 2,4,5- (2,4,5-T)	93-76-5	70 H	70 H	7,000 H	7,000 H	70,000 H	70,000 H
TRICHLOROPHENOXYPROPIONIC ACID, 2,4,5- (2,4,5-TP)	93-72-1	50 M	50 M	5,000 M	5,000 M	50 M	50 M
TRICHLOROPROPANE, 1,1,2-	598-77-6	180 G	510 G	18,000 G	51,000 G	180 G	510 G
TRICHLOROPROPANE, 1,2,3-	96-18-4	40 H	40 H	4,000 H	4,000 H	4,000 H	4,000 H
TRICHLOROPROPENE, 1,2,3-	96-19-5	[180] <u>2.1</u> [G] N	[510] <u>8.8</u> [G] N	[18,000] <u>210</u> [G] N	[51,000] <u>880</u> [G] N	[180] <u>2.1</u> [G] N	[510] <u>8.8</u> [G] N
TRIETHYLAMINE	121-44-8	<u>15</u> N	<u>62</u> N	<u>1,500</u> N	<u>6,200</u> N	<u>15</u> N	<u>62</u> N
TRIFLURALIN	1582-09-8	5 H	5 H	500 H	500 H	5 H	5 H
TRIMETHYLBENZENE, 1,3,4- (TRIMETHYLBENZENE, 1,2,4-)	95-63-6	[16] <u>15</u> N	[35] <u>62</u> N	[1,600] N <u>1,500</u>	[3,500] N <u>6,200</u>	[1,600] N <u>1,500</u>	[3,500] N <u>6,200</u>
TRIMETHYLBENZENE, 1,3,5-	108-67-8	[16] <u>13</u> N	[35] <u>53</u> N	[1,600] N <u>1,300</u>	[3,500] N <u>5,300</u>	[16] <u>13</u> N	[35] <u>53</u> N
TRINITROGLYCEROL (NITROGLYCERIN)	55-63-0	<u>5</u> H	<u>5</u> H	<u>500</u> H	<u>500</u> H	<u>5</u> H	<u>5</u> H
TRINITROTOLUENE, 2,4,6-	118-96-7	2 H	2 H	200 H	200 H	2 H	2 H
VINYL ACETATE	108-05-4	[550] <u>420</u> N	[1,200] N <u>1,800</u>	[55,000] N <u>42,000</u>	[120,000] N <u>180,000</u>	[550] <u>420</u> N	[1,200] N <u>1,800</u>
VINYL BROMIDE (BROMOETHENE)	593-60-2	[1.4] <u>1.5</u> N	[5.8] <u>7.8</u> N	[140] <u>150</u> N	[580] <u>780</u> N	[14] <u>15</u> N	[58] <u>78</u> N
VINYL CHLORIDE	75-01-4	2 M	2 M	200 M	200 M	20 M	20 M
WARFARIN	81-81-2	11 G	31 G	1,100 G	3,100 G	11,000 G	17,000 S
XYLENES (TOTAL)	1330-20-7	10,000 M	10,000 M	180,000 S	180,000 S	180,000 S	180,000 S
ZINEB	12122-67-7	1,800 G	5,100 G	10,000 S	10,000 S	1,800 G	5,100 G

All concentrations in µg/L

R = Residential

NR = Non-Residential

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G = Ingestion

N = Inhalation

S = Aqueous solubility cap

APPENDIX A

Table 2 - Medium-Specific Concentrations (MSCs) for Inorganic Regulated Substances in Groundwater

REGULATED SUBSTANCE	CASRN	USED AQUIFERS				NON-USE AQUIFERS	
		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR		
ANTIMONY	7440-36-0	6 M	6 M	600 M	600 M	6,000 M	6,000 M
ARSENIC	7440-38-2	[50] 10 M	[50] 10 M	[5,000] 1,000 M	[5,000] 1,000 M	[50,000] 10,000 M	[50,000] 10,000 M
ASBESTOS (fibers/L)	12001-29-5	7,000,000 M	7,000,000 M	7,000,000 M	7,000,000 M	7,000,000 M	7,000,000 M
BARIUM AND COMPOUNDS	7440-39-3	2,000 M	2,000 M	200,000 M	200,000 M	2,000,000 M	2,000,000 M
BERYLLIUM	7440-41-7	4 M	4 M	400 M	400 M	4,000 M	4,000 M
BORON AND COMPOUNDS	7440-42-8	600 H	600 H	60,000 H	60,000 H	600,000 H	600,000 H
CADMIUM	7440-43-9	5 M	5 M	500 M	500 M	5,000 M	5,000 M
CHROMIUM (TOTAL)	7440-47-3	100 M	100 M	10,000 M	10,000 M	100,000 M	100,000 M
COBALT	7440-48-4	[730] 11 G	[2,000] 31 G	[73,000] 1,100 G	[200,000] 3,100 G	[730,000] 11,000 G	[2,000,000] 31,000 G
COPPER	7440-50-8	1,000 M	1,000 M	100,000 M	100,000 M	1,000,000 M	1,000,000 M
CYANIDE, FREE	57-12-5	200 M	200 M	20,000 M	20,000 M	200,000 M	200,000 M
FLUORIDE	16984-48-8	4,000 M	4,000 M	400,000 M	400,000 M	4,000,000 M	4,000,000 M
LEAD	7439-92-1	5 M	5 M	500 M	500 M	5,000 M	5,000 M
LITHIUM	7439-93-2	73 G	200 G	7,300 G	20,000 G	73,000 G	200,000 G
MANGANESE	7439-96-5	300 H	300 H	30,000 H	30,000 H	300,000 H	300,000 H
MERCURY	7439-97-6	2 M	2 M	200 M	200 M	2,000 M	2,000 M
MOLYBDENUM	7439-98-7	40 H	40 H	4,000 H	4,000 H	40,000 H	40,000 H
NICKEL	7440-02-0	100 H	100 H	10,000 H	10,000 H	100,000 H	100,000 H
NITRATE NITROGEN	14797-55-8	10,000 M	10,000 M	1,000,000 M	1,000,000 M	10,000,000 M	10,000,000 M
NITRITE NITROGEN	14797-65-0	1,000 M	1,000 M	100,000 M	100,000 M	1,000,000 M	1,000,000 M
PERCHLORATE	7790-98-9	26 G	72 G	2,600 G	7,200 G	26,000 G	72,000 G
SELENIUM	7782-49-2	50 M	50 M	5,000 M	5,000 M	50,000 M	50,000 M
SILVER	7440-22-4	100 H	100 H	10,000 H	10,000 H	100,000 H	100,000 H
[SULFATE]		[500,000] [M]	[500,000] [M]	[50,000,000] [M]	[50,000,000] [M]	[500,000,000] M	[500,000,000] [M]
THALLIUM	7440-28-0	2 M	2 M	200 M	200 M	2,000 M	2,000 M
TIN	7440-31-5	22,000 G	61,000 G	2,200,000 G	6,100,000 G	22,000,000 G	61,000,000 G
VANADIUM	7440-62-2	260 G	720 G	26,000 G	72,000 G	260,000 G	720,000 G
ZINC AND COMPOUNDS	7440-66-6	2,000 H	2,000 H	200,000 H	200,000 H	2,000,000 H	2,000,000 H

All concentrations in ug/L (except asbestos)

M = Maximum Contaminant Level

H = Lifetime Health Advisory Level

SMCL = Secondary Maximum Contaminant Level

G = Ingestion

N = Inhalation

R = Residential

NR = Nonresidential

APPENDIX A

Table 2 - Medium-Specific Concentrations (MSCs) for Inorganic Regulated Substances in Groundwater

SECONDARY CONTAMINANTS			
REGULATED SUBSTANCE	CASRN	SMCL	UNITS
ALUMINUM	7429-90-5	200	µg/L
CHLORIDE	7647-14-5	250,000	µg/L
FLUORIDE	7681-49-4	2,000	µg/L
IRON	7439-89-6	300	µg/L
MANGANESE	7439-96-5	50	µg/L
SULFATE	<u>7757-82-6</u>	<u>250,000</u>	<u>µg/L</u>

All concentrations in ug/L (except asbestos)

M = Maximum Contaminant Level

H = Lifetime Health Advisory Level

SMCL = Secondary Maximum Contaminant Level

G = Ingestion

N = Inhalation

R = Residential

NR = Nonresidential

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
ACENAPHTHYLENE	208-96-8	13,000 G	170,000 G	190,000 C
ACEPHATE	30560-19-1	880 G	9,100 G	190,000 C
ACETALDEHYDE	75-07-0	[140] 170 N	[480] 720 N	[560] 830 N
ACETONE	67-64-1	10,000 C	10,000 C	10,000 C
ACETONITRILE	75-05-8	1,100 N	[3,200] N 4,800	[3,600] N 5,500
ACETOPHENONE	98-86-2	10,000 C	10,000 C	10,000 C
ACETYLAMINOFLUORENE, 2- (2AAF)	53-96-3	4.7 G	21 G	190,000 C
ACROLEIN	107-02-8	0.38 N	[1.1] 1.6 N	[1.2] 1.8 N
ACRYLAMIDE	79-06-1	[4] 0.34 [G] N	[18] 1.7 [G] N	[190,000] [C] 2 N
ACRYLIC ACID	79-10-7	19 N	[53] 79 N	[60] 91 N
ACRYLONITRILE	107-13-1	[4.7] 6.6 N	[24] 33 N	[28] 38 N
ALACHLOR	15972-60-8	[220] 320 G	[990] G 1,400	190,000 C
ALDICARB	116-06-3	220 G	2,800 G	190,000 C
ALDICARB SULFONE	1646-88-4	220 G	2,800 G	190,000 C
ALDICARB SULFOXIDE	1646-87-3	220 G	2,800 G	190,000 C
ALDRIN	309-00-2	1.1 G	4.7 G	190,000 C
ALLYL ALCOHOL	107-18-6	[330] 5.7 N	[930] 24 N	[1,100] 27 N
AMETRYN	834-12-8	2,000 G	25,000 G	190,000 C
AMINOBIHENYL, 4-	92-67-1	0.85 G	3.8 G	190,000 C
AMITROLE	61-82-5	19 G	84 G	190,000 C
AMMONIA	7664-41-7	1,900 N	[5,300] N 8,000	[6,100] N 9,100
AMMONIUM SULFAMATE	7773-06-0	44,000 G	190,000 C	190,000 C
ANILINE	62-53-3	19 N	[53] 79 N	[60] 91 N
ANTHRACENE	120-12-7	66,000 G	190,000 C	190,000 C
ATRAZINE	1912-24-9	[81] 78 G	[360] 340 G	190,000 C
AZINPHOS-METHYL (GUTHION)	86-50-0	660 G	8,400 G	190,000 G
BAYGON (PROPOXUR)	114-26-1	880 G	11,000 G	190,000 C
BENOMYL	17804-35-2	11,000 G	140,000 G	190,000 C
BENTAZON	25057-89-0	6,600 G	84,000 G	190,000 C
BENZENE	71-43-2	[41] 57 N	[210] 290 N	[240] 330 N
BENZIDINE	92-87-5	[0.078] G 0.018	0.34 G	190,000 C
BENZO[A]ANTHRACENE	56-55-3	[25] 5.7 G	110 G	190,000 C
BENZO[A]PYRENE	50-32-8	[2.5] 0.57 G	11 G	190,000 C
BENZO[B]FLUORANTHENE	205-99-2	[25] 5.7 G	110 G	190,000 C
BENZO[GHI]PERYLENE	191-24-2	13,000 G	170,000 G	190,000 C
BENZO[K]FLUORANTHENE	207-08-9	[250] 57 G	1,100 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	6.1 G	10,000 C
BENZYL ALCOHOL	100-51-6	10,000 C	10,000 C	10,000 C
BENZYL CHLORIDE	100-44-7	[6.4] 9 N	[33] 45 N	[38] 52 N
BETA PROPIOLACTONE	57-57-8	0.11 N	0.56 N	0.64 N
BHC, ALPHA	319-84-6	2.8 G	13 G	190,000 C
BHC, BETA-	319-85-7	9.9 G	44 G	190,000 C

All concentrations in mg/kg
G - Ingestion
[H]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
[BHC, DELTA-]	[319-86-8]	[130] [G]	[1,700] [G]	[190,000] [C]
BHC, GAMMA (LINDANE)	58-89-9	[14] 16 G	[61] 72 G	190,000 C
BIPHENYL, 1,1-	92-52-4	11,000 G	140,000 G	190,000 C
BIS(2-CHLOROETHOXY)METHANE	111-91-1	660 G	8,400 G	10,000 G
BIS(2-CHLOROETHYL)ETHER	111-44-4	[0.96] 1.3 N	[5] 6.7 N	[5.7] 7.7 N
BIS(2-CHLORO-ISOPROPYL)ETHER	108-60-1	[32] 44 N	[160] 220 N	[190] 250 N
BIS(CHLOROMETHYL)ETHER	542-88-1	[0.0051] N 0.0072	[0.027] N 0.036	[0.031] N 0.041
BIS[2-ETHYLHEXYL] PHTHALATE	117-81-7	1,300 G	5,700 G	10,000 C
BISPHENOL A	80-05-7	11,000 G	140,000 G	190,000 C
BROMACIL	314-40-9	22,000 G	190,000 C	190,000 C
BROMOCHLOROMETHANE	74-97-5	2,200 G	10,000 C	10,000 C
BROMODICHLOROMETHANE	75-27-4	[8.6] 12 N	[45] 60 N	[51] 69 N
BROMOMETHANE	74-83-9	[95] 96 N	[270] 400 N	[300] 460 N
BROMOXYNIL	1689-84-5	4,400 G	56,000 G	190,000 C
BROMOXYNIL OCTANOATE	1689-99-2	4,400 G	56,000 G	190,000 C
BUTADIENE, 1,3-	106-99-0	5.3 G	23 G	[190,000] [C] 85 N
BUTYL ALCOHOL, N-	71-36-3	[6,600] [N] 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
BUTYLBENZENE, SEC-	135-98-8	8,800 G	10,000 C	10,000 C
BUTYLBENZENE, TERT-	98-06-6	8,800 G	10,000 C	10,000 C
BUTYLBENZYL PHTHALATE	85-68-7	[10,000] [C] 9,400 G	10,000 C	10,000 C
CAPTAN	133-06-2	[5,100] G 7,800	[23,000] G 34,000	190,000 C
CARBARYL	63-25-2	22,000 G	190,000 C	190,000 C
CARBAZOLE	86-74-8	900 G	4,000 G	190,000 C
CARBOFURAN	1563-66-2	1,100 G	14,000 G	190,000 C
CARBON DISULFIDE	75-15-0	10,000 C	10,000 C	10,000 C
CARBON TETRACHLORIDE	56-23-5	[21] 30 N	[110] 150 N	[120] 170 N
CARBOXIN	5234-68-4	22,000 G	190,000 C	190,000 C
CHLORAMBEN	133-90-4	3,300 G	42,000 G	190,000 C
CHLORDANE	57-74-9	51 G	230 G	190,000 C
CHLORO-1,1-DIFLUOROETHANE, 1-	75-68-3	[190,000] C 10,000	[190,000] C 10,000	[190,000] C 10,000
CHLORO-1-PROPENE, 3- (ALLYL CHLORIDE)	107-05-1	19 N	[53] 80 N	[61] 91 N
CHLOROACETOPHENONE, 2-	532-27-4	[1.9] [G] 190,000 C	[24] [G] 190,000 C	190,000 C
CHLOROANILINE, P-	106-47-8	[880] 90 G	[11,000] G 400	190,000 C
CHLOROBENZENE	108-90-7	[4,400] [G] 960 N	[10,000] [C] 4,000 N	[10,000] [C] 4,600 N
CHLOROBENZILATE	510-15-6	[66] 160 G	[290] 720 G	[10,000] C 190,000
CHLOROBUTANE, 1-	109-69-3	[10,000] [C] 8,800 G	10,000 C	10,000 C
CHLORODIBROMOMETHANE	124-48-1	[12] 17 N	[61] 82 N	[70] 95 N

All concentrations in mg/kg
G - Ingestion
[H]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
CHLORODIFLUOROMETHANE	75-45-6	[190,000] C <u>10,000</u>	[190,000] C <u>10,000</u>	[190,000] C <u>10,000</u>
CHLOROETHANE	75-00-3	6,200 G	10,000 C	10,000 C
CHLOROFORM	67-66-3	[6] <u>19</u> N	[17] <u>97</u> N	[19] <u>110</u> N
CHLORONAPHTHALENE, 2-	91-58-7	18,000 G	190,000 C	190,000 C
CHLORONITROBENZENE, P-	100-00-5	[990] <u>220</u> G	[4,400] G <u>2,800</u>	190,000 C
CHLOROPHENOL, 2-	95-57-8	[330] [N] <u>1,100</u> G	[920] [N] <u>10,000</u> C	[1,100] [N] <u>10,000</u> C
CHLOROPRENE	126-99-8	130 N	[370] <u>560</u> N	[430] <u>640</u> N
CHLOROPROPANE, 2-	75-29-6	1,900 N	[5,400] N <u>8,000</u>	[6,100] N <u>9,100</u>
CHLOROTHALONIL	1897-45-6	[1,600] G <u>3,300</u>	[7,200] G <u>26,000</u>	190,000 C
CHLOROTOLUENE, O-	95-49-8	4,400 G	10,000 C	10,000 C
CHLOROTOLUENE, P-	106-43-4	10,000 C	10,000 C	10,000 C
CHLORPYRIFOS	2921-88-2	660 G	8,400 G	190,000 C
CHLORSULFURON	64902-72-3	11,000 G	140,000 G	190,000 C
CHLORTHAL-DIMETHYL (DACTHAL) (DCPA)	1861-32-1	2,200 G	28,000 G	190,000 C
CHRYSENE	218-01-9	[2,500] G <u>570</u>	11,000 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	22 G	280 G	190,000 G
CRESOL, O- (2-METHYLPHENOL)	95-48-7	[10,000] [C] <u>11,000</u> G	[10,000] [C] <u>140,000</u> G	[10,000] C <u>190,000</u>
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	14,000 G	190,000 C
CRESOL, P-CHLORO-M-	59-50-7	1,100 G	14,000 G	190,000 C
CROTONALDEHYDE	4170-30-3	9.4 G	42 G	10,000 C
CROTONALDEHYDE, TRANS-	123-73-9	9.4 G	42 G	10,000 G
CUMENE (ISOPROPYL BENZENE)	98-82-8	[7,300] N <u>7,700</u>	10,000 C	10,000 C
CYANAZINE	21725-46-2	21 G	94 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	[10,000] [C] <u>70,000</u> G	[10,000] C <u>190,000</u>
CYROMAZINE	66215-27-8	1,700 G	21,000 G	190,000 C
DDD, 4,4'-	72-54-8	75 G	330 G	190,000 C
DDE, 4,4'-	72-55-9	53 G	230 G	190,000 C
DDT, 4,4'-	50-29-3	53 G	230 G	190,000 C
DI(2-ETHYLHEXYL)ADIPATE	103-23-1	10,000 C	10,000 C	10,000 C
DIALATE	2303-16-4	[18] <u>290</u> [N] G	[93] <u>1,300</u> [N] G	[110] [N] <u>10,000</u> C
DIAMINOTOLUENE, 2,4-	95-80-7	[5.6] <u>4.7</u> G	[25] <u>21</u> G	190,000 C
DIAZINON	333-41-5	[200] <u>150</u> G	[2,500] G <u>2,000</u>	[190,000] C <u>10,000</u>
DIBENZO[A,H]ANTHRACENE	53-70-3	[2.5] <u>0.57</u> G	11 G	190,000 C
DIBENZOFURAN	132-64-9	220 G	2,800 G	190,000 G

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DIBROMO-3-CHLOROPROPANE, 1,2-	96-12-8	[3.8] N <u>0.029</u>	[11] <u>0.37</u> N	[12] <u>0.43</u> N
DIBROMOBENZENE, 1,4-	106-37-6	2,200 G	28,000 G	190,000 C
DIBROMOETHANE, 1,2- (ETHYLENE DIBROMIDE)	106-93-4	[0.21] [G] <u>0.74</u> N	[0.93] <u>3.7</u> [G] N	[8.6] <u>4.3</u> N
DIBROMOMETHANE	74-95-3	[670] [N] <u>2,200</u> G	[1,900] [N] <u>10,000</u> C	[2,100] [N] <u>10,000</u> C
DIBUTYL PHTHALATE, N-	84-74-2	10,000 C	10,000 C	10,000 C
<u>DICAMBA</u>	<u>1918-00-9</u>	<u>6,600</u> G	<u>84,000</u> C	<u>190,000</u> C
<u>DICHLOROACETIC ACID</u>	<u>76-43-6</u>	<u>880</u> G	<u>10,000</u> C	<u>10,000</u> C
DICHLORO-2-BUTENE, 1,4-	764-41-0	[91,000] N <u>0.11</u>	[190,000] [C] <u>0.53</u> N	[190,000] [C] <u>0.61</u> N
<u>DICHLORO-2-BUTENE, TRANS-1,4-</u>	<u>110-57-6</u>	<u>0.1</u> N	<u>1</u> N	<u>1</u> N
DICHLOROBENZENE, 1,2-	95-50-1	3,800 N	10,000 C	10,000 C
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>40</u> [G] N	[3,300] [G] <u>200</u> N	[190,000] [C] <u>230</u> N
DICHLOROBENZIDINE, 3,3'-	91-94-1	40 G	180 G	190,000 C
DICHLORODIFLUOROMETHANE (FREON 12)	75-71-8	[3,800] N <u>3,900</u>	10,000 C	10,000 C
DICHLOROETHANE, 1,1-	75-34-3	[200] <u>280</u> N	[1,000] N <u>1,400</u>	[1,200] N <u>1,600</u>
DICHLOROETHANE, 1,2-	107-06-2	[12] <u>17</u> N	[63] <u>86</u> N	[73] <u>98</u> N
DICHLOROETHYLENE, 1,1-	75-35-4	[6.4] N <u>3,800</u>	[33] [N] <u>10,000</u> C	[38] [N] <u>10,000</u> C
DICHLOROETHYLENE, CIS-1,2-	156-59-2	[670] [N] <u>2,200</u> G	[1,900] [N] <u>10,000</u> C	[2,100] [N] <u>10,000</u> C
DICHLOROETHYLENE, TRANS-1,2-	156-60-5	[1,300] N <u>1,100</u>	[3,700] N <u>4,800</u>	[4,300] N <u>5,500</u>
DICHLOROMETHANE (METHYLENE CHLORIDE)	75-09-2	[680] <u>950</u> N	[3,500] N <u>4,700</u>	[4,000] N <u>5,400</u>
DICHLOROPHENOL, 2,4-	120-83-2	660 G	8,400 G	190,000 C
DICHLOROPHENOXYACETIC ACID, 2,4- (2,4-D)	94-75-7	2,200 G	28,000 G	190,000 C
DICHLOROPROPANE, 1,2-	78-87-5	[31] <u>45</u> N	[160] <u>220</u> N	[180] <u>260</u> N
DICHLOROPROPENE, 1,3-	542-75-6	[80] <u>110</u> N	[410] <u>560</u> N	[470] <u>640</u> N
DICHLOROPROPIONIC ACID, 2,2- (DALAPON)	75-99-0	[2,000] [N] <u>6,600</u> G	[5,500] [N] <u>10,000</u> C	[6,300] [N] <u>10,000</u> C
DICHLORVOS	62-73-7	62 G	270 G	[190,000] C <u>10,000</u>
DICYCLOPENTADIENE	77-73-6	[6,600] [G] <u>130</u> N	[84,000] [G] <u>550</u> N	[190,000] [C] <u>630</u> N
DIELDRIN	60-57-1	1.1 G	5 G	[10,000] C <u>190,000</u>
<u>DIETHANOLAMINE</u>	<u>111-42-2</u>	<u>10,000</u> C	<u>10,000</u> C	<u>10,000</u> C
DIETHYL PHTHALATE	84-66-2	10,000 C	10,000 C	10,000 C
DIFLUBENZURON	35367-38-5	4,400 G	56,000 G	190,000 C
<u>DIISOPROPYL METHYLPHOSPHONATE</u>	<u>1445-75-6</u>	<u>10,000</u> C	<u>10,000</u> C	<u>10,000</u> C
DIMETHOATE	60-51-5	44 G	560 G	190,000 C

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DIMETHOXYBENZIDINE, 3,3-	119-90-4	1,300 G	5,700 G	190,000 C
DIMETHRIN	70-38-2	66,000 G	190,000 C	190,000 C
DIMETHYLAMINOAZOBENZENE, P-	60-11-7	3.9 G	17 G	190,000 C
DIMETHYLANILINE, N,N-	121-69-7	440 G	5,600 G	10,000 C
DIMETHYLBENZIDINE, 3,3-	119-93-7	[1.9] 1.6 G	[8.6] 7.2 G	[10,000] C 190,000
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 G	190,000 C
DINITROPHENOL, 2,4-	51-28-5	440 G	5,600 G	190,000 C
DINITROTOLUENE, 2,4-	121-14-2	58 G	260 G	190,000 C
DINITROTOLUENE, 2,6- (2,6-DNT)	606-20-2	220 G	2,800 G	190,000 C
DINOSEB	88-85-7	220 G	2,800 G	190,000 C
DIOXANE, 1,4-	123-91-1	[41] 58 N	[210] 290 N	[240] 330 N
DIPHENAMID	957-51-7	6,600 G	84,000 G	190,000 C
DIPHENYLAMINE	122-39-4	5,500 G	70,000 G	190,000 C
DIPHENYLHYDRAZINE, 1,2-	122-66-7	22 G	99 G	190,000 C
DIQUAT	85-00-7	480 G	6,200 G	190,000 C
DISULFOTON	298-04-4	[2.7] 8.8 [N] G	[7.6] 110 [N] G	[8.7] [N] 10,000 C
DITHIANE, 1,4-	505-29-3	2,200 G	28,000 G	190,000 C
DIURON	330-54-1	440 G	5,600 G	190,000 C
ENDOSULFAN	115-29-7	1,300 G	17,000 G	190,000 C
ENDOSULFAN I (ALPHA)	959-98-8	1,300 G	17,000 G	190,000 C
ENDOSULFAN II (BETA)	33213-65-9	1,300 G	17,000 G	190,000 C
ENDOSULFAN SULFATE	1031-07-8	1,300 G	17,000 G	190,000 C
ENDOTHALL	145-73-3	4,400 G	56,000 G	190,000 C
ENDRIN	72-20-8	66 G	840 G	190,000 C
EPICHLOROHYDRIN	106-89-8	19 N	[53] 79 N	[60] 91 N
ETHEPHON	16672-87-0	1,100 G	14,000 G	190,000 C
ETHION	563-12-2	110 G	1,400 G	10,000 C
ETHOXYETHANOL, 2- (EGEE)	110-80-5	[3,800] N 3,900	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	[23] 370 [N] G	[120] [N] 1,700 G	[140] [N] 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
ETHYL ETHER	60-29-7	10,000 C	10,000 C	10,000 C
ETHYL METHACRYLATE	97-63-2	[20,000] [G] 10,000 C	[190,000] C 10,000	[190,000] C 10,000
ETHYLENE GLYCOL	107-21-1	[10,000] [C] 7,700 N	10,000 C	10,000 C
ETHYLENE THIOUREA (ETU)	96-45-7	18 G	220 G	190,000 C
ETHYLP-NITROPHENYL PHENYLPHOSPHOROTHIOATE	2104-64-5	2.2 G	28 G	190,000 C
FENAMIPHOS	22224-92-6	55 G	700 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	36,000 G	190,000 C
FLUORANTHENE	206-44-0	8,800 G	110,000 G	190,000 C
FLUORENE	86-73-7	8,800 G	110,000 G	190,000 C

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FLUOROTRICHLOROMETHANE (FREON 11)	75-69-4	10,000 C	10,000 C	10,000 C
FONOFOS	944-22-9	[140] 440 [N] G	[380] [N] 5,600 G	[440] [N] 10,000 C
FORMALDEHYDE	50-00-0	[24] 34 N	[130] 170 N	[150] 200 N
FORMIC ACID	64-18-6	[10,000] [C] 57 N	[10,000] [C] 240 N	[10,000] [C] 270 N
FOSETYL-AL	39148-24-8	190,000 C	190,000 C	190,000 C
FURAN	110-00-9	220 G	2,800 G	10,000 C
FURFURAL	98-01-1	660 G	[2,600] N 4,000	[3,000] N 4,500
GLYPHOSATE	1071-83-6	22,000 G	190,000 C	190,000 C
HEPTACHLOR	76-44-8	4 G	18 G	190,000 C
HEPTACHLOR EPOXIDE	1024-57-3	2 G	[9] 8.7 G	190,000 C
HEXACHLOROBENZENE	118-74-1	11 G	50 G	190,000 C
HEXACHLOROBUTADIENE	87-68-3	[44] 220 G	[560] G 1,000	10,000 C
HEXACHLOROCYCLOPENTADIENE	77-47-4	1,300 G	10,000 C	10,000 C
HEXACHLOROETHANE	67-72-1	[220] 110 [G] N	[2,800] [G] 550 N	[190,000] [C] 640 N
HEXANE	110-54-3	[3,800] [N] 10,000 C	10,000 C	10,000 C
HEXAZINONE	51235-04-2	7,300 G	92,000 G	190,000 C
HEXYTHIAZOX (SAVEY)	78587-05-0	5,500 G	70,000 G	190,000 C
HMX	2691-41-0	11,000 G	140,000 G	190,000 C
HYDRAZINE/HYDRAZINE SULFATE	302-01-2	[0.065] N 0.09	[0.34] N 0.45	[0.39] N 0.52
HYDROQUINONE	123-31-9	[8,800] G 320	[110,000] G 1,400	190,000 C
INDENO[1,2,3-CD]PYRENE	193-39-5	[25] 5.7 G	110 G	190,000 C
IPRODIONE	36734-19-7	8,800 G	110,000 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	1.1 G	5 G	190,000 C
MALATHION	121-75-5	[1,400] [N] 4,400 G	[4,000] [N] 10,000 C	[4,600] [N] 10,000 C
MALEIC HYDRAZIDE	123-33-1	110,000 G	190,000 C	190,000 C
MANEB	12427-38-2	1,100 G	14,000 G	190,000 C
MERPHOS OXIDE	78-48-8	6.6 G	84 G	10,000 C
METHACRYLONITRILE	126-98-7	13 N	[37] 56 N	[43] 64 N
METHAMIDOPHOS	10265-92-6	11 G	140 G	190,000 C
METHANOL	67-56-1	10,000 C	10,000 C	10,000 C
METHOMYL	16752-77-5	5,500 G	70,000 G	190,000 C
METHOXYCHLOR	72-43-5	1,100 G	14,000 G	190,000 C
METHOXYETHANOL, 2-	109-86-4	[220] 380 [G] N	[1,100] N 1,600	[1,200] N 1,800
METHYL ACETATE	79-20-9	10,000 C	10,000 C	10,000 C
METHYL ACRYLATE	96-33-3	6,600 G	10,000 C	10,000 C
METHYL CHLORIDE	74-87-3	[180] 250 N	[920] N 1,200	[1,000] N 1,400

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METHYL ETHYL KETONE	78-93-3	10,000 C	10,000 C	10,000 C
METHYL ISOBUTYL KETONE	108-10-1	[1,500] [N] <u>10,000 C</u>	[4,300] [N] <u>10,000 C</u>	[4,900] [N] <u>10,000 C</u>
<u>METHYL ISOCYANATE</u>	<u>624-83-9</u>	<u>19 N</u>	<u>79 N</u>	<u>91 N</u>
<u>METHYL N-BUTYL KETONE (2-HEXANONE)</u>	<u>591-78-6</u>	<u>96 N</u>	<u>400 N</u>	<u>460 N</u>
METHYL METHACRYLATE	80-62-6	10,000 C	10,000 C	10,000 C
METHYL METHANESULFONATE	66-27-3	180 G	800 G	[190,000] C <u>10,000</u>
METHYL PARATHION	298-00-0	[17] <u>55</u> [N] <u>G</u>	[48] <u>700</u> [N] <u>G</u>	[55] [N] <u>190,000 C</u>
METHYL STYRENE (MIXED ISOMERS)	25013-15-4	[1,300] [G] <u>770 N</u>	[17,000] [G] <u>3,200 N</u>	[190,000] [C] <u>3,600 N</u>
METHYL TERT-BUTYL ETHER (MTBE)	1634-04-4	620 G	3,200 N	3,700 N
<u>METHYLCHLOROPHOENOXYACETIC ACID (MCPA)</u>	<u>94-74-6</u>	<u>110 G</u>	<u>1,400 G</u>	<u>190,000 C</u>
METHYLENE BIS(2-CHLOROANILINE), 4,4'-	101-14-4	[140] <u>42</u> G	[610] <u>790</u> G	190,000 C
METHYLNAPHTHALENE, 2-	91-57-6	[4,400] G <u>880</u>	[10,000] G <u>11,000</u>	[10,000] C <u>190,000</u>
METHYLSTYRENE, ALPHA	98-83-9	[15,000] [G] <u>10,000 C</u>	[190,000] C <u>10,000</u>	[190,000] C <u>10,000</u>
<u>METOLACHLOR</u>	<u>51218-45-2</u>	<u>10,000 C</u>	<u>10,000 C</u>	<u>10,000 C</u>
<u>METRIBUZIN</u>	<u>21087-64-9</u>	<u>5,500 G</u>	<u>70,000 G</u>	<u>190,000 C</u>
<u>MONOCHLOROACETIC ACID</u>	<u>79-11-8</u>	<u>2,200 G</u>	<u>28,000 G</u>	<u>190,000 C</u>
NAPHTHALENE	91-20-3	4,400 G	56,000 G	190,000 C
NAPHTHYLAMINE, 1-	134-32-7	9.9 G	44 G	190,000 C
NAPHTHYLAMINE, 2-	91-59-8	9.9 G	44 G	190,000 C
NAPROPAMIDE	15299-99-7	22,000 G	190,000 C	190,000 C
NITROANILINE, M-	99-09-2	[13] <u>66</u> G	[160] <u>840</u> G	190,000 C
NITROANILINE, O-	88-74-4	[13] <u>660</u> G	[160] G <u>8,400</u>	190,000 C
NITROANILINE, P-	100-01-6	[13] <u>880</u> G	[160] G <u>4,000</u>	190,000 C
NITROBENZENE	98-95-3	[110] <u>440</u> G	[1,400] G <u>5,600</u>	10,000 C
<u>NITROGUANIDINE</u>	<u>556-88-7</u>	<u>22,000 G</u>	<u>190,000 C</u>	<u>190,000 C</u>
NITROPHENOL, 2-	88-75-5	1,800 G	22,000 G	190,000 C
NITROPHENOL, 4-	100-02-7	1,800 G	22,000 G	190,000 C
NITROPROPANE, 2-	79-46-9	[0.12] N <u>0.16</u>	[0.61] N <u>0.82</u>	[0.7] <u>0.94</u> N
NITROSODIETHYLAMINE, N-	55-18-5	[0.0073] N <u>0.0041</u>	[0.038] N <u>0.051</u>	[0.044] N <u>0.059</u>
NITROSODIMETHYLAMINE, N-	62-75-9	[0.023] N <u>0.012</u>	[0.12] N <u>0.16</u>	[0.13] N <u>0.18</u>
NITROSO-DI-N-BUTYLAMINE, N-	924-16-3	3.3 G	15 G	10,000 C
NITROSODI-N-PROPYLAMINE, N-	621-64-7	2.6 G	11 G	10,000 C
NITROSODIPHENYLAMINE, N-	86-30-6	3,700 G	16,000 G	190,000 C
NITROSO-N-ETHYLUREA, N-	759-73-9	[0.13] G <u>0.15</u>	[0.57] <u>2.9</u> G	190,000 C
OCTYL PHTHALATE, DI-N-	117-84-0	[4,400] G <u>8,800</u>	10,000 C	10,000 C
OXAMYL (VYDATE)	23135-22-0	5,500 G	70,000 G	190,000 C
<u>PARAQUAT</u>	<u>1910-42-5</u>	<u>990 G</u>	<u>13,000 G</u>	<u>190,000 C</u>

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PARATHION	56-38-2	1,300 G	10,000 C	10,000 C
PCB-1016 (AROCLOR)	12674-11-2	15 G	200 G	10,000 C
PCB-1221 (AROCLOR)	11104-28-2	<u>[36] 9</u> G	<u>[160] 40</u> G	10,000 C
PCB-1232 (AROCLOR)	11141-16-5	<u>[36] 9</u> G	<u>[160] 40</u> G	10,000 C
PCB-1242 (AROCLOR)	53469-21-9	<u>[36] 9</u> G	<u>[160] 40</u> G	10,000 C
PCB-1248 (AROCLOR)	12672-29-6	<u>[9.9] 9</u> G	<u>[44] 40</u> G	10,000 C
PCB-1254 (AROCLOR)	11097-69-1	4.4 G	<u>[44] 40</u> G	10,000 C
PCB-1260 (AROCLOR)	11096-82-5	<u>[30] 9</u> G	<u>[130] 40</u> G	190,000 C
PEBULATE	1114-71-2	10,000 C	10,000 C	10,000 C
PENTACHLOROBENZENE	608-93-5	180 G	2,200 G	190,000 C
<u>PENTACHLOROETHANE</u>	<u>76-01-7</u>	<u>200</u> G	<u>880</u> G	<u>10,000</u> C
PENTACHLORONITROBENZENE	82-68-8	69 G	310 G	190,000 C
PENTACHLOROPHENOL	87-86-5	150 G	660 G	190,000 C
PHENACETIN	62-44-2	8,100 G	36,000 G	190,000 C
PHENANTHRENE	85-01-8	66,000 G	190,000 C	190,000 C
PHENOL	108-95-2	<u>[130,000]</u> G <u>66,000</u>	190,000 C	190,000 C
<u>PHENYL MERCAPTAN</u>	<u>108-98-5</u>	<u>2.2</u> N	<u>28</u> N	<u>10,000</u> N
PHENYLENEDIAMINE, M-	108-45-2	1,300 G	17,000 G	190,000 C
PHENYLPHENOL, 2-	90-43-7	<u>[9,200]</u> G <u>9,400</u>	<u>[41,000]</u> G <u>42,000</u>	190,000 C
PHORATE	298-02-2	<u>[13] 44</u> [N] G	<u>[37] 560</u> [N] G	<u>[43]</u> [N] <u>10,000</u> 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
<u>PROMETON</u>	<u>1610-18-0</u>	<u>3,300</u> G	<u>42,000</u> G	<u>190,000</u> C
PRONAMIDE	23950-58-5	17,000 G	190,000 C	190,000 C
PROPANIL	709-98-8	1,100 G	14,000 G	190,000 C
<u>PROPANOL 2- (ISOPROPYL ALCOHOL)</u>	<u>67-63-0</u>	<u>10,000</u> C	<u>10,000</u> C	<u>10,000</u> C
<u>PROPAZINE</u>	<u>139-40-2</u>	<u>4,400</u> G	<u>10,000</u> C	<u>10,000</u> C
PROPHAM	122-42-9	4,400 G	56,000 G	190,000 C
PROPYLBENZENE, N-	103-65-1	8,800 G	10,000 C	10,000 C
PROPYLENE OXIDE	75-56-9	75 G	330 G	<u>[510] 690</u> N
PYRENE	129-00-0	6,600 G	84,000 G	190,000 C
PYRIDINE	110-86-1	<u>[67] 220</u> [N] G	<u>[190]</u> [N] <u>2,800</u> G	<u>[210]</u> [N] <u>10,000</u> C
QUINOLINE	91-22-5	<u>[1.5] 6</u> G	<u>[6.6] 26</u> G	10,000 C
QUIZALOFOP (ASSURE)	76578-14-8	2,000 G	25,000 G	190,000 C
<u>RDX</u>	<u>121-82-4</u>	<u>160</u> G	<u>720</u> G	<u>190,000</u> C
<u>RESORCINOL</u>	<u>108-46-3</u>	<u>190,000</u> C	<u>190,000</u> C	<u>190,000</u> C
RONNEL	299-84-3	11,000 G	140,000 G	190,000 C
SIMAZINE	122-34-9	150 G	660 G	190,000 C
STRYCHNINE	57-24-9	66 G	840 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	36,000 G	190,000 C
TERBUFOS	13071-79-9	<u>[1.7] 5.5</u> [N] G	<u>[4.6] 70</u> [N] G	<u>[5.3]</u> [N] <u>10,000</u> C
TETRACHLOROBENZENE, 1,2,4,5-	95-94-3	66 G	840 G	190,000 C

All concentrations in mg/kg
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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
TETRACHLORODIBENZO-P-DIOXIN, 2,3,7,8- (TCDD)	1746-01-6	[0.00012] G <u>0.00014</u>	[0.00053] G <u>0.00061</u>	190,000 C
TETRACHLOROETHANE, 1,1,1,2-	630-20-6	[690] <u>60</u> [G] N	[3,100] [G] <u>300</u> N	[190,000] [C] <u>340</u> N
TETRACHLOROETHANE, 1,1,2,2-	79-34-5	[5.5] <u>7.7</u> N	[28] <u>38</u> N	[33] <u>44</u> N
TETRACHLOROETHYLENE (PCE)	127-18-4	340 G	1,500 G	[3,300] N <u>4,400</u>
TETRACHLOROPHENOL, 2,3,4,6-	58-90-2	6,600 G	84,000 G	190,000 C
TETRAETHYL LEAD	78-00-2	0.022 G	0.28 G	10,000 C
TETRAETHYLDITHIOPYROPHOSPHATE	3689-24-5	[33] <u>110</u> [N] G	[92] <u>1,400</u> [N] G	[110] [N] <u>10,000</u> C
TETRAHYDROFURAN	109-99-9	<u>230</u> N	<u>1,100</u> N	<u>1,300</u> N
THIOFANOX	39196-18-4	66 G	840 G	190,000 C
THIRAM	137-26-8	1,100 G	14,000 G	190,000 C
TOLUENE	108-88-3	[7,600] [N] <u>10,000</u> C	10,000 C	10,000 C
TOLUIDINE, M-	108-44-1	[75] <u>99</u> G	[330] <u>440</u> G	10,000 C
TOLUIDINE, O-	95-53-4	[75] <u>99</u> G	[330] <u>440</u> G	10,000 C
TOLUIDINE, P-	106-49-0	94 G	420 G	190,000 C
TOXAPHENE	8001-35-2	16 G	72 G	190,000 C
TRIALATE	2303-17-5	2,900 G	[36,000] [G] <u>10,000</u> C	[190,000] [C] <u>10,000</u> C
TRIBROMOMETHANE (BROMOFORM)	75-25-2	[290] <u>410</u> N	[1,500] N <u>2,000</u>	[1,700] N <u>2,300</u>
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, 1,2,4-	120-82-1	2,200 G	10,000 C	10,000 C
TRICHLOROBENZENE, 1,3,5-	108-70-3	1,300 G	17,000 G	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	[20] <u>28</u> N	[100] <u>140</u> N	[120] <u>160</u> N
TRICHLOROETHYLENE (TCE)	79-01-6	[190] <u>260</u> N	[970] N <u>1,300</u>	[1,100] N <u>1,500</u>
TRICHLOROPHENOL, 2,4,5-	95-95-4	22,000 G	190,000 C	190,000 C
TRICHLOROPHENOL, 2,4,6-	88-06-2	[66] <u>220</u> G	[840] G <u>2,800</u>	190,000 C
TRICHLOROPHENOXYACETIC ACID, 2,4,5- (2,4,5-T)	93-76-5	2,200 G	28,000 G	190,000 C
TRICHLOROPHENOXYPROPIONIC ACID, 2,4,5- (2,4,5-TP)(SILVEX)	93-72-1	1,800 G	22,000 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	[0.16] <u>2.6</u> [N] G	[0.82] <u>11</u> [N] G	[0.95] <u>460</u> [N] G
TRICHLOROPROPENE, 1,2,3-	96-19-5	[1,100] <u>19</u> [G] N	[10,000] [C] <u>80</u> N	[10,000] [C] <u>91</u> N
TRIETHYLAMINE	121-44-8	<u>130</u> N	<u>560</u> N	<u>640</u> N
TRIFLURALIN	1582-09-8	1,700 G	10,000 G	190,000 C
TRIMETHYLBENZENE, 1,3,4- (TRIMETHYLBENZENE, 1,2,4-)	95-63-6	[110] <u>130</u> N	[320] <u>560</u> N	[360] <u>640</u> N
TRIMETHYLBENZENE, 1,3,5-	108-67-8	110 N	[320] <u>480</u> N	[360] <u>550</u> N
TRINITROGLYCEROL (NITROGLYCERIN)	55-63-0	<u>22</u> G	<u>280</u> G	<u>10,000</u> C
TRINITROTOLUENE, 2,4,6-	118-96-7	110 G	1,400 G	190,000 C

All concentrations in mg/kg
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APPENDIX A
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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
VINYL ACETATE	108-0-5-4	[3,800] N <u>3,900</u>	10,000 C	10,000 C
VINYL BROMIDE (BROMOETHENE)	593-60-2	[160] 14 [G] N	[720] 70 [G] N	[190,000] [C] 80 N
VINYL CHLORIDE	75-01-4	[12] 1.9 G	[53] 110 G	[220] 580 N
WARFARIN	81-81-2	66 G	840 G	190,000 C
XYLENES (TOTAL)	1330-20-7	[8,000] N <u>1,900</u>	[10,000] [C] <u>8,000</u> N	[10,000] [C] <u>9,100</u> N
ZINEB	12122-67-7	11,000 G	140,000 G	190,000 C

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[H]N - Inhalation
C - Cap

APPENDIX A
TABLE 3 - MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN SOIL
B. Soil to Groundwater Numeric Values¹

REGULATED SUBSTANCE	CASRN	Used Aquifers								Non-Use Aquifers				Soil Buffer Distance (feet)			
		TDS ≤ 2500				TDS > 2500				Residential		Non-Residential					
		Residential		Non-Residential		Residential		Non-Residential		100 X GW MSC	Generic Value	100 X GW MSC	Generic Value				
		100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value				
ACENAPHTHENE	83-32-9	220	2,700	E	380	4,700	E	380	4,700	E	380	4,700	E	380	4,700	E	15
ACENAPHTHYLENE	208-96-8	220	2,500	E	610	6,900	E	1,600	18,000	E	1,600	18,000	E	1,600	18,000	E	15
ACEPHATE	30560-19-1	7.6	0.9	E	30	3.6	E	760	90	E	3,000	360	E	7.6	0.9	E	30
ACETALDEHYDE	75-07-0	1.9	0.23	E	[5.2] 7.9	[0.63] 0.96	E	190	23	E	[520] 790	[63] 96	E	1.9	0.23	E	[5.2] 7.9
ACETONE	67-64-1	[370] 3,300	[41] 370	E	[1,000] 9,200	[110] 1,000	E	10,000	[4,100] 10,000	[E] C	10,000	10,000	C	[3,700] 10,000	[410] 3,700	E	10,000
ACETONITRILE	75-05-8	[17] 13	[1.9] 1.5	E	[35] 53	[3.9] 6	E	[1,700] 1,300	[190] 150	E	[3,500] 5,300	[390] 600	E	[170] 130	[19] 15	E	[350] 530
ACETOPHENONE	98-86-2	370	200	E	1,000	540	E	10,000	10,000	C	10,000	10,000	C	370	200	E	1,000
ACETYLAMINOFLUORENE, 2-(2AAF)	53-96-3	0.017	0.07	E	0.068	0.28	E	1.7	7	E	6.8	28	E	17	70	E	68
ACROLEIN	107-02-8	[0.0055] 0.0042	[0.00062] 0.00047	E	[0.012] 0.018	[0.0014] 0.002	E	[0.55] 0.42	[0.062] 0.047	E	[1.2] 1.8	[0.14] 0.2	E	[0.055] 0.042	[0.0062] 0.0047	E	[0.12] 0.18
ACRYLAMIDE	79-06-1	[0.0033] 0.0038	[0.00057] 0.00066	E	[0.014] 0.019	[0.0024] 0.0033	E	[0.33] 0.4	[0.057] 0.07	E	[1.4] 1.9	[0.24] 0.33	E	[0.003] 0.004	[0.00057] 0.0007	E	[0.014] 0.019
ACRYLIC ACID	79-10-7	[0.28] 0.21	[0.051] 0.039	E	[0.58] 0.88	[0.11] 0.16	E	[28] 21	[5.1] 3.9	E	[58] 88	[11] 16	E	[28] 21	[5.1] 3.9	E	[58] 88
ACRYLONITRILE	107-13-1	[0.063] 0.072	[0.0087] 0.01	E	[0.27] 0.37	[0.037] 0.051	E	[6.3] 7.2	[0.87] 1	E	[27] 37	[3.7] 5.1	E	[6.3] 7.2	[0.87] 1	E	[27] 37
ALACHLOR	15972-60-8	0.2	0.077	E	0.2	0.077	E	20	7.7	E	20	7.7	E	0.2	0.077	E	0.2
ALDICARB	116-06-3	[0.7] 0.3	[0.12] 0.05	E	[0.7] 0.3	[0.12] 0.05	E	[70] 30	[12] 5	E	[70] 30	[12] 5	E	[700] 300	[120] 50	E	[700] 300
ALDICARB SULFONE	1646-88-4	0.2	0.027	E	0.2	0.027	E	20	2.7	E	20	2.7	E	0.2	0.027	E	0.2
ALDICARB SULFOXIDE	1646-87-3	0.4	0.045	E	0.4	0.045	E	40	4.5	E	40	4.5	E	0.4	0.045	E	0.4
ALDRIN	309-00-2	[0.00087] 0.0039	[0.1] 0.47	E	[0.0037] 0.015	[0.44] 1.8	E	[0.087] 0.39	[10] 47	E	[0.37] 1.5	[44] 180	E	[0.087] 2	[10] 240	E	[0.37] 2
ALLYL ALCOHOL	107-18-6	[4.9] 0.063	[0.58] 0.0075	E	[10] 0.26	[1.2] 0.031	E	[490] 6.3	[58] 0.75	E	[1,000] 26	[120] 3.1	E	[490] 6.3	[58] 0.75	E	[1,000] 26

¹ For other options see Section 250.308

All concentrations in mg/kg

E - Number calculated by the soil to groundwater equation in Section 250.308

C - Cap

NA - The soil buffer distance option is not available for this substance

APPENDIX A
TABLE 3 - MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN SOIL
B. Soil to Groundwater Numeric Values¹

REGULATED SUBSTANCE	CASRN	Used Aquifers								Non-Use Aquifers				Soil Buffer Distance (feet)
		TDS ≤ 2500				TDS > 2500				Residential		Non-Residential		
		Residential		Non-Residential		Residential		Non-Residential		Residential		Non-Residential		
		100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	
AMETRYN	834-12-8	6	6.5 E	6	6.5 E	600	650 E	600	650 E	6	6.5 E	6	6.5 E	NA
AMINOBIHENYL, 4-	92-67-1	0.0031	0.0012	0.012	0.0046	0.31	0.12	1.2	0.46	3.1	1.2	12	4.6	NA
AMITROLE	61-82-5	0.07	0.029	0.28	0.12	7	2.9	28	12	70	29	280	120	NA
AMMONIA	7664-41-7	3,000	360	3,000	360	10,000	10,000	10,000	10,000	3,000	360	3,000	360	NA
AMMONIUM SULFAMATE	7773-06-0	200	24	200	24	20,000	2,400	20,000	2,400	200	24	200	24	NA
ANILINE	62-53-3	[0.28] 0.21	[0.16] 0.12 E	[0.58] 0.88	[0.34] 0.52 E	[28] 21	[16] 12 E	[58] 88	[34] 52 E	[0.28] 0.21	[0.16] 0.12 E	[0.58] 0.88	[0.34] 0.52 E	NA
ANTHRACENE	120-12-7	6.6	350	6.6	350	6.6	350	6.6	350	6.6	350	6.6	350	10
ATRAZINE	1912-24-9	0.3	0.13	0.3	0.13	30	13	30	13	0.3	0.13	0.3	0.13	NA
AZINPHOS-METHYL (GUTHION)	86-50-0	11	12 E	31	35 E	1,100	1,200 E	3,100	3,500 E	11	12 E	31	35 E	NA
BAYGON (PROPOXUR)	114-26-1	0.3	0.057	0.3	0.057	30	5.7	30	5.7	300	57	300	57	NA
BENOMYL	17804-35-2	180	880	200	970	200	970	200	970	180	880	200	970	20
BENTAZON	25057-89-0	[110] 20	[16] 2.9 E	[310] 20	[45] 2.9 E	[11,000]] 2,000	[1,600] 290 E	[31,000]] 2,000	[4,500] 290 E	[110] 20	[16] 2.9 E	[310] 20	[45] 2.9 E	NA
BENZENE	71-43-2	0.5	0.13	0.5	0.13	50	13	50	13	50	13	50	13	NA
BENZIDINE	92-87-5	[0.00029] 0.000093	[0.38] 0.12 E	0.0011	1.5	[0.029] 0.0093	[38] 12 E	0.11	150	[0.29] 0.093	[380] 120 E	1.1	1,500	5
BENZO[A]ANTHRACENE	56-55-3	[0.09] 0.029	[79] 25 E	0.36	320	1.1	960	1.1	960	1.1	960	1.1	960	5
BENZO[A]PYRENE	50-32-8	0.02	46	0.02	46	0.38	860	0.38	860	0.38	860	0.38	860	5
BENZO[B]FLUORANTHENE	205-99-2	[0.09] 0.029	[120] 40 E	0.12	170	0.12	170	0.12	170	0.12	170	0.12	170	5
BENZO[GHI]PERYLENE	191-24-2	0.026	180	0.026	180	0.026	180	0.026	180	0.026	180	0.026	180	5
BENZO[K]FLUORANTHENE	207-08-9	0.055	610	0.055	610	0.055	610	0.055	610	0.055	610	0.055	610	5
BENZOIC ACID	65-85-0	15,000	2,900	41,000	7,800	190,000	52,000	190,000	52,000	15,000	2,900	41,000	7,800	NA
BENZOTRICHORIDE	98-07-7	0.0051	0.012	0.02	0.048	0.51	1.2	2	4.8	5.1	12	20	48	30
BENZYL ALCOHOL	100-51-6	[1,100] 1,800	[400] 650 E	[3,100] 5,100	[1,100] 1,800 E	10,000	10,000	10,000	10,000	[1,100]] 1,800	[400] 650 E	[3,100] 5,100	[1,100] 1,800 E	NA
BENZYL CHLORIDE	100-44-7	[0.087] 0.1	[0.051] 0.059 E	[0.37] 0.51	[0.22] 0.3 E	[8.7] 10	[5.1] 5.9 E	[37] 51	[22] 30 E	[8.7] 10	[5.1] 5.9 E	[37] 51	[22] 30 E	NA
BETA PROPIOLACTONE	57-57-8	0.0012	0.00015 E	0.0063	0.00076 E	0.1	0.015 E	0.63	0.076 E	0.012	0.0015 E	0.063	0.0076 E	NA
BHC, ALPHA	319-84-6	0.01	0.046	0.041	0.19	1	4.6	4.1	19	10	46	41	190	20
BHC, BETA-	319-85-7	0.037	0.22	0.14	0.82	3.7	22	10	59	10	59	10	59	15

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TABLE 3 - MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN SOIL
B. Soil to Groundwater Numeric Values¹

REGULATED SUBSTANCE	CASRN	Used Aquifers										Non-Use Aquifers				Soil Buffer Distance (feet)
		TDS ≤ 2500					TDS > 2500					Residential		Non-Residential		
		Residential		Non-Residential			Residential		Non-Residential			100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	
		100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	
[BHC, DELTA-]	[319-86-8	[2.2]	[11]	[6.1]	[30]	[220]	[1,100]	[610]	[3,000]	[800]	[3,900]	[800]	[3,900]	[20]		
BHC, GAMMA (LINDANE)	58-89-9	0.02	0.072	0.02	0.072	2	7.2	2	7.2	20	72	20	72	20		
BIPHENYL, 1,1-	92-52-4	180	790	510	2,200	720	3,100	720	3,100	720	3,100	720	3,100	20		
BIS(2-CHLOROETHOXY)METHANE	111-91-1	11	2.9	31	8.2	1,100	290	3,100	820	11	2.9	31	8.2	NA		
BIS(2-CHLOROETHYL)ETHER	111-44-4	[0.013] 0.015	[0.0039] 0.0045	[0.055] 0.076	[0.017] 0.023	[1.3] 1.5	[0.39] 0.45	[5.5] 7.6	[1.7] 2.3	[1.3] 1.5	[0.39] 0.45	[5.5] 7.6	[1.7] 2.3	NA		
BIS(2-CHLORO-ISOPROPYL)ETHER	108-60-1	30	8	30	8	3,000	800	3,000	800	3,000	800	3,000	800	NA		
BIS(CHLOROMETHYL)ETHER	542-88-1	[0.000069] 0.000079	[0.00001] 0.000012	[0.0002] 0.0004	[0.00004] 0.00006	[0.0069] 0.0079	0.001	[0.029] 0.04	[0.0044] 0.006	[0.0069] 0.0079	0.001	[0.029] 0.04	[0.0044] 0.006	NA		
BIS[2-ETHYLHEXYL] PHTHALATE	117-81-7	0.6	130	0.6	130	29	6,300	29	6,300	29	6,300	29	6,300	10		
BISPHENOL A	80-05-7	180	700	510	2,000	12,000	46,000	12,000	46,000	12,000	46,000	12,000	46,000	20		
BROMACIL	314-40-9	[8] Z	[2] 1.8	[8] Z	[2] 1.8	[800] 700	[200] 180	[800] 700	[200] 180	[8] Z	[2] 1.8	[8] Z	[2] 1.8	NA		
BROMOCHLOROMETHANE	74-97-5	9	1.6	9	1.6	900	160	900	160	9	1.6	9	1.6	NA		
BROMODICHLOROMETHANE	75-27-4	[10] 8	[3.4] 2.7	[10] 8	[3.4] 2.7	[1,000] 800	[340] 270	[1,000] 800	[340] 270	[10] 8	[3.4] 2.7	[10] 8	[3.4] 2.7	NA		
BROMOMETHANE	74-83-9	1	0.54	1	0.54	100	54	100	54	100	54	100	54	NA		
BROMOXYNIL	1689-84-5	73	63	200	170	7,300	6,300	13,000	11,000	73	63	200	170	NA		
BROMOXYNIL OCTANOATE	1689-99-2	8	360	8	360	8	360	8	360	8	360	8	360	15		
BUTADIENE, 1,3-	106-99-0	[0.015] 0.019	[0.0062] 0.0078	[0.065] 0.076	[0.027] 0.031	[1.5] 1.9	[0.62] 0.78	[6.5] 7.6	[2.7] 3.1	[1.5] 1.9	[0.62] 0.78	[6.5] 7.6	[2.7] 3.1	NA		
BUTYL ALCOHOL, N-	71-36-3	[97] 370	[12] 44	[200] 1,000	[24] 120	[9,700] 10,000	[1,200] 4,400	10,000	[2,400] 10,000	[970] 3,700	[120] 440	[2,000] 10,000	[240] 1,200	NA		

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REGULATED SUBSTANCE	CASRN	Used Aquifers										Non-Use Aquifers				Soil Buffer Distance (feet)				
		TDS ≤ 2500					TDS > 2500					Residential		Non-Residential						
		Residential		Non-Residential			Residential		Non-Residential			100 X GW MSC	Generic Value	100 X GW MSC	Generic Value					
		100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value					
BUTYLATE	2008-41-5	[35] 40	[51] 58	E	[35] 40	[51] 58	E	[3,500] 4,000	[5,100] 5,800	E	[3,500] 4,000	[5,100] 5,800	E	[35] 40	[51] 58	E	[35] 40	[51] 58	E	30
BUTYLBENZENE, N-	104-51-8	150	950	E	410	2,600	E	1,500	9,500	E	1,500	9,500	E	150	950	E	410	2,600	E	15
BUTYLBENZENE, SEC-	135-98-8	150	350	E	410	960	E	1,700	4,000	E	1,700	4,000	E	150	350	E	410	960	E	30
BUTYLBENZENE, TERT-	98-06-6	150	270	E	410	740	E	3,000	5,400	E	3,000	5,400	E	150	270	E	410	740	E	30
BUTYLBENZYL PHTHALATE	85-68-7	[270] 35	[10,000] 3,000	[C] E	[270] 140	10,000	C	270	10,000	C	270	10,000	C	270	10,000	C	270	10,000	C	10
CAPTAN	133-06-2	[19] 29	[12] 18	E	50	31	E	50	31	E	50	31	E	50	31	E	50	31	E	NA
CARBARYL	63-25-2	[70] 370	[41] 220	E	[70] 1,000	[41] 590	E	[7,000] 12,000	[4,100] 7,000	E	[7,000] 12,000	[4,100] 7,000	E	12,000	7,000	E	12,000	7,000	E	NA
CARBAZOLE	86-74-8	3.3	21	E	13	83	E	120	760	E	120	760	E	120	760	E	120	760	E	15
CARBOFURAN	1563-66-2	4	0.87	E	4	0.87	E	400	87	E	400	87	E	4	0.87	E	4	0.87	E	NA
CARBON DISULFIDE	75-15-0	[190] 150	[160] 130	E	[410] 620	[350] 530	E	10,000	10,000	C	10,000	10,000	C	[190] 150	[160] 130	E	[410] 620	[350] 530	E	NA
CARBON TETRACHLORIDE	56-23-5	0.5	0.26	E	0.5	0.26	E	50	26	E	50	26	E	5	2.6	E	5	2.6	E	NA
CARBOXIN	5234-68-4	70	53	E	70	53	E	7,000	5,300	E	7,000	5,300	E	70	53	E	70	53	E	NA
CHLORAMBEN	133-90-4	10	1.6	E	10	1.6	E	1,000	160	E	1,000	160	E	10	1.6	E	10	1.6	E	NA
CHLORDANE	57-74-9	0.2	49	E	0.2	49	E	5.6	1,400	E	5.6	1,400	E	5.6	1,400	E	5.6	1,400	E	10
CHLORO-1,1-DIFLUOROETHANE, 1-	75-68-3	[14,000] 10,000	[2,300] 1,800	E	[29,000] 10,000	[4,800] 7,300	E	[140,000] 10,000	[23,000] 10,000	[C] E	[140,000] 10,000	[23,000] 10,000	[C] E	[14,000] 10,000	[2,300] 1,800	E	[29,000] 10,000	[4,800] 7,300	E	NA
CHLORO-1-PROPENE, 3-(ALLYL CHLORIDE)	107-05-1	[0.28] 0.21	[0.065] 0.049	E	[0.58] 0.88	[0.13] 0.2	E	[28] 21	[6.5] 4.9	E	[58] 88	[13] 20	E	[28] 21	[6.5] 4.9	E	[58] 88	[13] 20	E	NA
CHLOROACETOPHENONE, 2-	532-27-4	[0.031] 0.11	[0.0093] 0.033	E	[0.088] 0.31	[0.026] 0.093	E	[3.1] 11	[0.93] 3.3	E	[8.8] 31	[2.6] 9.3	E	[31] 110	[9.3] 33	E	[88] 310	[26] 93	E	NA
CHLOROANILINE, P-	106-47-8	[15] 0.33	[19] 0.42	E	[41] 1.3	[52] 1.6	E	[1,500] 33	[1,900] 42	E	[4,100] 130	[5,200] 160	E	[15] 0.33	[19] 0.42	E	[41] 1.3	[52] 1.6	E	NA
CHLOROBENZENE	108-90-7	10	6.1	E	10	6.1	E	1,000	610	E	1,000	610	E	1,000	610	E	1,000	610	E	NA
CHLOROBENZILATE	510-15-6	[0.24] 0.6	[1.6] 4	E	[0.96] 2.4	[6.3] 16	E	[24] 60	[160] 400	E	[96] 240	[630] 1,600	E	[240] 600	[1,600] 4,000	E	[960] 1,300	[6,300] 8,600	E	15

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REGULATED SUBSTANCE	CASRN	Used Aquifers										Non-Use Aquifers				Soil Buffer Distance (feet)				
		TDS ≤ 2500					TDS > 2500					Residential		Non-Residential						
		Residential		Non-Residential			Residential		Non-Residential			100 X GW MSC	Generic Value	100 X GW MSC	Generic Value					
		100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value					
CHLOROBUTANE, 1-	109-69-3	[1,500] 150	[2,300] 230	E	[4,100] 410	[6,400] 640	E	10,000	10,000	C	10,000	10,000	C	[1,500] 150	[2,300] 230	E	[4,100] 410	[6,400] 640	E	30
CHLORODIBROMOMETHANE	124-48-1	[10] 8	[3.2] 2.5	E	[10] 8	[3.2] 2.5	E	[1,000] 800	[320] 250	E	[1,000] 800	[320] 250	E	[1,000] 800	[320] 250	E	[1,000] 800	[320] 250	E	NA
CHLORODIFLUOROMETHANE	75-45-6	[10] 10,000	[2.6] 2,800	E	[10] 10,000	[2.6] 10,000	E	[1,000] 10,000	[260] 10,000	E	[1,000] 10,000	[260] 10,000	E	[10] 10,000	[2.6] 2,800	E	[10] 10,000	[2.6] 10,000	E	NA
CHLOROETHANE	75-00-3	23	5	E	90	19	E	2,300	500	E	9,000	1,900	E	2,300	500	E	9,000	1,900	E	NA
CHLOROFORM	67-66-3	[10] 8	[2.5] 2	E	[10] 8	[2.5] 2	E	[1,000] 800	[250] 200	E	[1,000] 800	[250] 200	E	[100] 80	[25] 20	E	[100] 80	[25] 20	E	NA
CHLORONAPHTHALENE, 2-	91-58-7	290	6,200	E	820	18,000	E	1,200	26,000	E	1,200	26,000	E	290	6,200	E	820	18,000	E	15
CHLORONITROBENZENE, P-	100-00-5	3.7	4.9	E	[14] 10	[18] 13	E	370	490	E	[1,400] 1,000	[1,800] 1,300	E	3.7	4.9	E	[14] 10	[18] 13	E	NA
CHLOROPHENOL, 2-	95-57-8	4	4.4	E	4	4.4	E	400	440	E	400	440	E	4	4.4	E	4	4.4	E	NA
CHLOROPRENE	126-99-8	[1.9] 1.5	[0.45] 0.35	E	[4.1] 6.2	[0.97] 1.5	E	[190] 150	[45] 35	E	[410] 620	[97] 150	E	[190] 150	[45] 35	E	[410] 620	[97] 150	E	NA
CHLOROPROPANE, 2-	75-29-6	[28] 21	[21] 16	E	[58] 88	[44] 67	E	[2,800] 2,100	[2,100] 1,600	E	[5,800] 8,800	[4,400] 6,700	E	[28] 21	[21] 16	E	[58] 88	[44] 67	E	NA
CHLOROTHALONIL	1897-45-6	[6] 21	[15] 54	E	[24] 60	[61] 150	E	[60] 60	[150] 150	E	[60] 60	[150] 150	E	[6] 21	[15] 54	E	[24] 60	[61] 150	E	30
CHLOROTOLUENE, O-	95-49-8	10	20	E	10	20	E	1,000	2,000	E	1,000	2,000	E	10	20	E	10	20	E	30
CHLOROTOLUENE, P-	106-43-4	10	10	E	10	10	E	1,000	1,000	E	1,000	1,000	E	10	10	E	10	10	E	NA
CHLORPYRIFOS	2921-88-2	[2] 0.2	[23] 2.3	E	[2] 0.2	[23] 2.3	E	[110] 20	[1,300] 230	E	[110] 20	[1,300] 230	E	[2] 0.2	[23] 2.3	E	[2] 0.2	[23] 2.3	E	15
CHLORSULFURON	64902-72-3	180	25	E	510	71	E	[13,000] 18,000	[1,800] 2,500	E	[13,000] 19,000	[1,800] 2,600	E	180	25	E	510	71	E	NA
CHLORTHAL-DIMETHYL (DACTHAL) (DCPA)	1861-32-1	[40] 7	[650] 110	E	[40] 7	[650] 110	E	50	820	E	50	820	E	50	820	E	50	820	E	15
CHRYSENE	218-01-9	0.19	230	E	0.19	230	E	0.19	230	E	0.19	230	E	0.19	230	E	0.19	230	E	5
CRESOL(S)	1319-77-3	18	3.1	E	51	8.9	E	1,800	310	E	5,100	890	E	1,800	310	E	5,100	890	E	NA
CRESOL, 4,6-DINITRO-O-	534-52-1	0.37	0.28	E	1	0.75	E	37	28	E	100	75	E	370	280	E	1,000	750	E	NA

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		TDS ≤ 2500				TDS > 2500				Residential		Non-Residential		
		Residential		Non-Residential		Residential		Non-Residential		100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	
		100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	
CRESOL, O- (2-METHYLPHENOL)	95-48-7	180	[64] 30 E	510	[180] 85 E	[10,000] 18,000	[6,400] 3,000 E	[10,000] 51,000	[10,000] 8,500 C	[10,000] 18,000	[6,400] 3,000 E	[10,000] 51,000	[10,000] 8,500 C	NA
CRESOL, M- (3-METHYLPHENOL)	108-39-4	180	36 E	510	100 E	10,000	3,600 E	10,000	10,000 C	10,000	10,000 C	10,000	10,000 C	NA
CRESOL, P- (4-METHYLPHENOL)	106-44-5	18	4.2 E	51	12 E	1,800	420 E	5,100	1,200 E	18,000	4,200 E	51,000	12,000 E	NA
CRESOL, P-CHLORO-M-	59-50-7	18	37 E	51	110 E	1,800	3,700 E	5,100	11,000 E	18	37 E	51	110 E	30
CROTONALDEHYDE	4170-30-3	[0.0079] 0.035	[0.00099] 0.0044 E	[0.034] 0.14	[0.0043] 0.018 E	[0.79] 3.5	[0.099] 0.44 E	[3.4] 14	[0.43] 1.8 E	[0.79] 3.5	[0.099] 0.44 E	[3.4] 14	[0.43] 1.8 E	NA
CROTONALDEHYDE, TRANS-	123-73-9	[0.0079] 0.035	[0.001] 0.0044 E	[0.034] 0.14	[0.0043] 0.018 E	[0.79] 3.5	[0.1] 0.44 E	[3.4] 14	[0.43] 1.8 E	[0.79] 3.5	[0.1] 0.44 E	[3.4] 14	[0.43] 1.8 E	NA
CUMENE (ISOPROPYL BENZENE)	98-82-8	[110] 84	[780] 600 E	[230] 350	[1,600] 2,500 E	5,000	10,000 C	5,000	10,000 C	5,000	10,000 C	5,000	10,000 C	15
CYANAZINE	21725-46-2	0.1	0.061 E	0.1	0.061 E	10	6.1 E	10	6.1 E	0.1	0.061 E	0.1	0.061 E	NA
CYCLOHEXANE	110-82-7	1,300	1,700 E	5,300	6,900 E	5,500	7,200 E	5,500	7,200 E	1,300	1,700 E	5,300	6,900 E	NA
CYCLOHEXANONE	108-94-1	[4,900] 10,000	[1,400] 5,000 E	10,000	[2,800] 10,000 E	10,000	10,000 C	10,000	10,000 C	[4,900] 10,000	[1,400] 5,000 E	10,000	[2,800] 10,000 E	NA
CYFLUTHRIN	68359-37-5	0.1	33 E	0.1	33 E	0.1	33 E	0.1	33 E	0.1	33 E	0.1	33 E	10
CYROMAZINE	66215-27-8	27	84 E	77	240 E	2,700	8,400 E	7,700	24,000 E	27	84 E	77	240 E	20
DDD, 4,4'-	72-54-8	[0.062] 0.28	[6.8] 31 E	[0.27] 1.1	[30] 120 E	[6.2] 16	[680] 1,800 E	16	1,800 E	[6.2] 16	[680] 1,800 E	16	1,800 E	10
DDE, 4,4'-	72-55-9	0.19	41 E	0.76	170 E	4	870 E	4	870 E	4	870 E	4	870 E	10
DDT, 4,4'-	50-29-3	0.19	110 E	0.55	330 E	0.55	330 E	0.55	330 E	0.55	330 E	0.55	330 E	5
DI(2-ETHYLHEXYL)ADIPATE	103-23-1	40	10,000 C	40	10,000 C	4,000	10,000 C	4,000	10,000 C	10,000	10,000 C	10,000	10,000 C	5
DIALATE	2303-16-4	[0.25] 1.1	[0.15] 0.64 E	[1] 4.3	[0.59] 2.5 E	[25] 110	[15] 64 E	[100] 430	[59] 250 E	[25] 1,100	[15] 640 E	[100] 4,000	[59] 2,300 E	NA
DIAMINOTOLUENE, 2,4-	95-80-7	[0.021] 0.017	[0.0042] 0.0034 E	[0.081] 0.068	[0.016] 0.014 E	[2.1] 1.7	[0.42] 0.34 E	[8.1] 6.8	[1.6] 1.4 E	[2.1] 17	[4.2] 3.4 E	[8.1] 68	[1.6] 14 E	NA
DIAZINON	333-41-5	[0.06] 0.1	[0.082] 0.14 E	[0.06] 0.1	[0.082] 0.14 E	[6] 10	[8.2] 14 E	[6] 10	[8.2] 14 E	[0.06] 0.1	[0.082] 0.14 E	[0.06] 0.1	[0.082] 0.14 E	30

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		TDS ≤ 2500					TDS > 2500					Residential		Non-Residential						
		Residential		Non-Residential			Residential		Non-Residential			100 X GW MSC	Generic Value	100 X GW MSC	Generic Value					
		100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value					
DIBENZO[A,H]ANTHRACENE	53-70-3	[0.009] 0.0029	[41] 13	E	0.036	160	E	0.06	270	E	0.06	270	E	0.06	270	E	5			
DIBENZOFURAN	132-64-9	3.7	95	E	10	260	E	370	9,500	E	450	12,000	E	450	12,000	E	15			
DIBROMO-3-CHLOROPROPANE, 1,2-	96-12-8	0.02	0.0092	E	0.02	0.0092	E	2	0.92	E	2	0.92	E	2	0.92	E	NA			
DIBROMOBENZENE, 1,4-	106-37-6	37	150	E	100	410	E	2,000	8,200	E	2,000	8,200	E	37	150	E	20			
DIBROMOETHANE, 1,2- (ETHYLENE DIBROMIDE)	106-93-4	0.005	0.0012	E	0.005	0.0012	E	0.5	0.12	E	0.5	0.12	E	0.5	0.12	E	NA			
DIBROMOMETHANE	74-95-3	[9.7] 37	[3.7] 14	E	[20] 100	[7.7] 39	E	[970] 3,700	[370] 1,400	E	[2,000] 10,000	[770] 3,900	E	[970] 3,700	[370] 1,400	E	[2,000] 10,000	[770] 3,900	E	NA
DIBUTYL PHTHALATE, N-	84-74-2	370	1,500	E	1,000	4,100	E	10,000	10,000	C	10,000	10,000	C	10,000	10,000	C	10,000	10,000	C	20
DICAMBA	1918-00-9	400	45	E	400	45	E	40,000	4,500	E	40,000	4,500	E	400	45	E	400	45	E	NA
DICHLOROACETIC ACID	76-43-6	6	0.79	E	6	0.79	E	600	79	E	600	79	E	6	0.79	E	6	0.79	E	NA
DICHLORO-2-BUTENE, 1,4-	764-41-0	[0.0016] 0.0012	[0.0009] 0.00067	E	[0.0069] 0.006	[0.0039] 0.0034	E	[0.16] 0.12	[0.09] 0.07	E	[0.69] 0.6	[0.39] 0.34	E	[0.001 6] 0.0012	[0.0009] 0.0007	E	[0.0069] 0.006	[0.0039] 0.0034	E	NA
DICHLORO-2-BUTENE, TRANS-1,4-	110-57-6	0.0012	0.00078	E	0.006	0.0039	E	0.12	0.078	E	0.6	0.39	E	0.0012	0.00078	E	0.006	0.0039	E	NA
DICHLOROBENZENE, 1,2-	95-50-1	60	59	E	60	59	E	6,000	5,900	E	6,000	5,900	E	6,000	5,900	E	6,000	5,900	E	NA
DICHLOROBENZENE, 1,3-	541-73-1	60	61	E	60	61	E	6,000	6,100	E	6,000	6,100	E	6,000	6,100	E	6,000	6,100	E	NA
DICHLOROBENZENE, P-	106-46-7	7.5	10	E	7.5	10	E	750	1,000	E	750	1,000	E	750	1,000	E	750	1,000	E	30
DICHLOROBENZIDINE, 3,3'-	91-94-1	0.15	8.3	E	0.58	32	E	15	830	E	58	3,200	E	150	8,300	E	310	17,000	E	10
DICHLORODIFLUOROMETHANE (FREON 12)	75-71-8	100	100	E	100	100	E	10,000	10,000	C	10,000	10,000	C	10,000	10,000	C	10,000	10,000	C	NA
DICHLOROETHANE, 1,1-	75-34-3	[2.7] 3.1	[0.65] 0.75	E	[11] 16	[2.7] 3.9	E	[270] 310	[65] 75	E	[1,100] 1,600	[270] 390	E	[27] 31	[6.5] 7.5	E	[110] 160	[27] 39	E	NA
DICHLOROETHANE, 1,2-	107-06-2	0.5	0.1	E	0.5	0.1	E	50	10	E	50	10	E	5	1	E	5	1	E	NA
DICHLOROETHYLENE, 1,1-	75-35-4	0.7	0.19	E	0.7	0.19	E	70	19	E	70	19	E	7	1.9	E	7	1.9	E	NA
DICHLOROETHYLENE, CIS-1,2-	156-59-2	7	1.6	E	7	1.6	E	700	160	E	700	160	E	70	16	E	70	16	E	NA
DICHLOROETHYLENE, TRANS-1,2-	156-60-5	10	2.3	E	10	2.3	E	1,000	230	E	1,000	230	E	100	23	E	100	23	E	NA
DICHLOROMETHANE (METHYLENE CHLORIDE)	75-09-2	0.5	0.076	E	0.5	0.076	E	50	7.6	E	50	7.6	E	50	7.6	E	50	7.6	E	NA

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REGULATED SUBSTANCE	CASRN	Used Aquifers								Non-Use Aquifers				Soil Buffer Distance (feet)
		TDS ≤ 2500				TDS > 2500				Residential		Non-Residential		
		Residential		Non-Residential		Residential		Non-Residential		Residential	Non-Residential	Residential	Non-Residential	
		100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	
DICHLOROPHENOL, 2,4-	120-83-2	2	1 E	2	1 E	200	100 E	200	100 E	2,000	1,000 E	2,000	1,000 E	NA
DICHLOROPHENOXYACETIC ACID, 2,4- (2,4-D)	94-75-7	7	1.8 E	7	1.8 E	700	180 E	700	180 E	[700] 7,000	[180] 1,800	[700] 7,000	[180] 1,800	NA
DICHLOROPROPANE, 1,2-	78-87-5	0.5	0.11 E	0.5	0.11 E	50	11 E	50	11 E	5	1.1 E	5	1.1 E	NA
DICHLOROPROPENE, 1,3-	542-75-6	0.66	0.12 E	2.6	0.46 E	66	12 E	260	46 E	66	12 E	260	46 E	NA
DICHLOROPROPIONIC ACID, 2,2- (DALAPON)	75-99-0	20	5.3 E	20	5.3 E	2,000	530 E	2,000	530 E	2,000	530 E	2,000	530 E	NA
DICHLORVOS	62-73-7	[0.052] 0.23	[0.012] 0.054 E	[0.22] 0.9	[0.052] 0.21 E	[5.2] 23	[1.2] 5.4 E	[22] 90	[5.2] 21 E	[0.052] 0.23	[0.012] 0.054 E	[0.22] 0.9	[0.052] 0.21 E	NA
DICYCLOPENTADIENE	77-73-6	[0.055] 1.5	[0.12] 3.2 E	[0.12] 6.2	[0.26] 13 E	[5.5] 150	[12] 320 E	[12] 620	[26] 1,300 E	[0.055] 1.5	[0.12] 3 E	[0.12] 6	[0.26] 13 E	30
DIELDRIN	60-57-1	0.0041	0.11 E	0.016	0.44 E	0.41	11 E	1.6	44 E	4.1	110 E	16	440 E	15
DIETHANOLAMINE	111-42-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	84-66-2	[500] 2,900	[160] 910 E	[500] 8,200	[160] 2,600 E	10,000	10,000 C	10,000	10,000 C	10,000	10,000 C	10,000	10,000 C	NA
DIFLUBENZURON	35367-38-5	20	52 E	20	52 E	20	52 E	20	52 E	20	52 E	20	52 E	20
DIISOPROPYL METHYLPHOSPHONATE	1445-75-6	60	8.2 E	60	8.2 E	6,000	820 E	6,000	820 E	60	8.2 E	60	8.2 E	NA
DIMETHOATE	60-51-5	0.73	0.28 E	2	0.77 E	73	28 E	200	77 E	730	280 E	2,000	770 E	NA
DIMETHOXYBENZIDINE, 3,3-	119-90-4	4.7	16 E	19	64 E	470	1,600 E	1,900	6,400 E	4,700	16,000 E	6,000	20,000 E	20
DIMETHRIN	70-38-2	3.6	240 E	3.6	240 E	3.6	240 E	3.6	240 E	3.6	240 E	3.6	240 E	10
DIMETHYLAMINOAZOBENZENE, P-	60-11-7	0.014	0.037 E	0.057	0.15 E	1.4	3.7 E	5.7	15 E	14	37 E	57	150 E	20
DIMETHYLANILINE, N,N-	121-69-7	7.3	4.1 E	20	11 E	730	410 E	2,000	1,100 E	730	410 E	2,000	1,100 E	NA
DIMETHYLBENZIDINE, 3,3-	119-93-7	[0.0072] 0.006	[0.4] 0.33 E	[0.028] 0.024	[1.5] 1.3 E	[0.72] 0.6	[40] 33 E	[2.8] 2.4	[150] 130 E	[7.2] 6	[400] 330 E	[28] 24	[1,500] 1,300 E	10
DIMETHYL METHYLPHOSPHONATE	756-79-6	10	1.2 E	10	1.2 E	1,000	120 E	1,000	120 E	10	1 E	10	1 E	NA
DIMETHYLPHENOL, 2,4-	105-67-9	73	32 E	200	87 E	7,300	3,200 E	10,000	8,700 E	10,000	10,000 C	10,000	10,000 C	NA
DINITROBENZENE, 1,3-	99-65-0	0.1	0.049 E	0.1	0.049 E	10	4.9 E	10	4.9 E	100	49 E	100	49 E	NA
DINITROPHENOL, 2,4-	51-28-5	[1.9] 7.3	[0.21] 0.83 E	[4.1] 20	[0.46] 2.3 E	[190] 730	[21] 83 E	[410] 2,000	[46] 230 E	[19] 7,300	[2.1] 830 E	[41] 20,000	[4.6] 2,300 E	NA
DINITROTOLUENE, 2,4-	121-14-2	0.21	0.05 E	0.84	0.2 E	21	5 E	84	20 E	210	50 E	840	200 E	NA

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		Residential		Non-Residential		Residential		Non-Residential		Residential		Non-Residential		
		100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	
DINITROTOLUENE, 2,6- (2,6-DNT)	606-20-2	3.7	1.1 E	10	3 E	370	110 E	1,000	300 E	3,700	1,100 E	10,000	3,000 E	NA
DINOSEB	88-85-7	0.7	0.29 E	0.7	0.29 E	70	29 E	70	29 E	700	290 E	700	290 E	NA
DIOXANE, 1,4-	123-91-1	[0.56] 0.64	[0.073] 0.084	[2.4] 3.2	[0.31] 0.42	[56] 64	[7.3] 8.4	[240] 320	[31] 42	[5.6] 6.4	[0.73] 0.84	[24] 32	[3.1] 4.2	NA
DIPHENAMID	957-51-7	20	12 E	20	12 E	2,000	1,200 E	2,000	1,200 E	20	12 E	20	12 E	NA
DIPHENYLAMINE	122-39-4	[20] 91	[12] 53	[20] 260	[12] 150	[2,000] 9,100	[1,200] 5,300	[2,000] 26,000	[1,200] 15,000	[20] 30,000	[12] 18,000	[20] 30,000	[12] 18,000	NA
DIPHENYLHYDRAZINE, 1,2-	122-66-7	0.083	0.15 E	0.33	0.58 E	8.3	15 E	25	44 E	25	44 E	25	44 E	30
DIQUAT	85-00-7	2	0.24 E	2	0.24 E	200	24 E	200	24 E	2	0.24 E	2	0.24 E	NA
DISULFOTON	298-04-4	[0.03] 0.07	[0.078] 0.18	[0.03] 0.07	[0.078] 0.18	[3] 7	[7.8] 18	[3] 7	[7.8] 18	[30] 70	[78] 180	[30] 70	[78] 180	20
DITHIANE, 1,4-	505-29-3	8	1.3 E	8	1.3 E	800	130 E	800	130 E	8	1.3 E	8	1.3 E	NA
DIURON	330-54-1	[1]] 7.3	[0.86] 6.3	[1] 20	[0.86] 17	[100] 730	[86] 630	[100] 2,000	[86] 1,700	[1] 7.3	[0.86] 6.3	[1] 20	[0.86] 17	NA
ENDOSULFAN	115-29-7	[5.8] 22	[30] 110	[12] 48	[61] 250	48	250 E	48	250 E	48	250 E	48	250 E	15
ENDOSULFAN I (ALPHA)	959-98-8	22	110 E	50	260 E	50	260 E	50	260 E	22	110 E	50	260 E	15
ENDOSULFAN II (BETA)	33213-65-9	22	130 E	45	260 E	45	260 E	45	260 E	22	130 E	45	260 E	15
ENDOSULFAN SULFATE	1031-07-8	12	70 E	12	70 E	12	70 E	12	70 E	12	70 E	12	70 E	15
ENDOTHALL	145-73-3	10	4.1 E	10	4.1 E	1,000	410 E	1,000	410 E	10	4.1 E	10	4.1 E	NA
ENDRIN	72-20-8	0.2	5.5 E	0.2	5.5 E	20	550 E	20	550 E	0.2	5.5 E	0.2	5.5 E	15
EPICHLOROHYDRIN	106-89-8	[0.28] 0.21	[0.056] 0.042	[0.58] 0.88	[0.12] 0.17	[28] 21	[5.6] 4.2	[58] 88	[12] 17	[28] 21	[5.6] 4.2	[58] 88	[12] 17	NA
ETHEPHON	16672-87-0	18	2.1 E	51	5.9 E	1,800	210 E	5,100	590 E	18	2.1 E	51	5.9 E	NA
ETHION	563-12-2	1.8	39 E	5.1	110 E	85	1,900 E	85	1,900 E	1.8	39 E	5.1	110 E	15
ETHOXYETHANOL, 2- (EGEE)	110-80-5	[55] 42	[7.8] 5.9	[120] 180	[17] 25	[5,500] 4,200	[780] 590	10,000	[1,700] 2,500	[5,500] 4,200	[780] 590	10,000	[1,700] 2,500	NA
ETHYL ACETATE	141-78-6	[870] 3,300	[220] 850	[1,800] 9,200	[470] 2,400	10,000	10,000 C	10,000	10,000 C	10,000	10,000 C	10,000	10,000 C	NA
ETHYL ACRYLATE	140-88-5	[0.31] 1.4	[0.12] 0.54	[1.3] 5.4	[0.5] 2.1	[31] 140	[12] 54	[130] 540	[50] 210	[31] 140	[12] 54	[130] 540	[50] 210	NA
ETHYL BENZENE	100-41-4	70	46 E	70	46 E	7,000	4,600 E	7,000	4,600 E	7,000	4,600 E	7,000	4,600 E	NA

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REGULATED SUBSTANCE	CASRN	Used Aquifers										Non-Use Aquifers				Soil Buffer Distance (feet)				
		TDS ≤ 2500					TDS > 2500					Residential		Non-Residential						
		Residential		Non-Residential			Residential		Non-Residential			100 X GW MSC	Generic Value	100 X GW MSC	Generic Value					
		100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value					
ETHYL DIPROPYLTHIOCARBAMATE, S- (EPTC)	759-94-4	91	65	E	260	180	E	9,100	6,500	E	10,000	10,000	C	91	65	E	260	180	E	NA
ETHYL ETHER	60-29-7	[190] 730	[53] 210	E	[410] 2,000	[120] 560	E	10,000	[5,300] 10,000	[E] [C]	10,000	10,000	C	[190] 730	[53] 210	E	[410] 2,000	[120] 560	E	NA
ETHYL METHACRYLATE	97-63-2	[87] 330	[14] 55	E	[180] 920	[30] 150	E	[8,700] 10,000	[1,400] 5,500	[E] [C]	[18,000] 10,000	[3,000] 10,000	[E] [C]	[87] 330	[14] 55	E	[180] 920	[30] 150	E	NA
ETHYLENE GLYCOL	107-21-1	1,400	170	E	1,400	170	E	10,000	10,000	C	10,000	10,000	C	10,000	10,000	C	10,000	10,000	C	NA
ETHYLENE THIOUREA (ETU)	96-45-7	[0.3] 0.29	[0.034] 0.032	E	[0.3] 0.82	[0.034] 0.092	E	[30] 29	[3.4] 3.2	E	[30] 82	[3.4] 9.2	E	[300] 290	[34] 32	E	[300] 820	[34] 92	E	NA
ETHYLP-NITROPHENYL PHENYLPHOSPHOROTHIOATE	2104-64-5	0.037	0.12	E	0.1	0.31	E	3.7	12	E	10	31	E	0.037	0.12	E	0.1	0.31	E	20
FENAMIPHOS	22224-92-6	[0.2] 0.07	[0.17] 0.06	E	[0.2] 0.07	[0.17] 0.06	E	[20] 7	[17] 6	E	[20] 7	[17] 6	E	[0.2] 0.1	[0.17] 0.06	E	[0.2] 0.1	[0.17] 0.06	E	NA
FENVALERATE (PYDRIN)	51630-58-1	8.5	94	E	8.5	94	E	8.5	94	E	8.5	94	E	8.5	94	E	8.5	94	E	15
FLUOMETURON	2164-17-2	9	2.5	E	9	2.5	E	900	250	E	900	250	E	9	2.5	E	9	2.5	E	NA
FLUORANTHENE	206-44-0	26	3,200	E	26	3,200	E	26	3,200	E	26	3,200	E	26	3,200	E	26	3,200	E	10
FLUORENE	86-73-7	150	3,000	E	190	3,800	E	190	3,800	E	190	3,800	E	190	3,800	E	190	3,800	E	15
FLUOROTRICHLOROMETHANE (FREON 11)	75-69-4	200	87	E	200	87	E	10,000	8,700	E	10,000	8,700	E	10,000	8,700	E	10,000	8,700	E	NA
FONOFOS	944-22-9	1	2.9	E	1	2.9	E	100	290	E	100	290	E	1	2.9	E	1	2.9	E	20
FORMALDEHYDE	50-00-0	100	12	E	100	12	E	10,000	1,200	E	10,000	1,200	E	10,000	1,200	E	10,000	1,200	E	NA
FORMIC ACID	64-18-6	[1900] 0.63	[210] 0.071	E	[4,100] 2.6	[460] 0.3	E	[10,000] 63	[10,000] 7.1	[E] [C]	[10,000] 260	[10,000] 29	[E] [C]	[10,000] 6.3	[2,100] 0.71	E	[10,000] 26	[4,600] 3	E	NA
FOSETYL-AL	39148-24-8	11,000	9,700	E	31,000	27,000	E	190,000	190,000	C	190,000	190,000	C	11,000	9,700	E	31,000	27,000	E	NA
FURAN	110-00-9	[0.97] 3.7	[0.42] 1.6	E	[2] 10	[0.87] 4.4	E	[97] 370	[42] 160	E	[200] 1,000	[87] 440	E	[97] 370	[42] 160	E	[200] 1,000	[87] 440	E	NA

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REGULATED SUBSTANCE	CASRN	Used Aquifers								Non-Use Aquifers				Soil Buffer Distance (feet)
		TDS ≤ 2500				TDS > 2500				Residential		Non-Residential		
		Residential		Non-Residential		Residential		Non-Residential		100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	
		100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	
FURFURAL	98-01-1	11	1.4 E	[29] 31	[3.7] 3.9 E	1,100	140 E	[2,900] 3,100	[370] 390 E	11	1.4 E	[29] 31	[3.7] 3.9 E	NA
GLYPHOSATE	1071-83-6	70	620 E	70	620 E	7,000	62,000 E	7,000	62,000 E	70	620 E	70	620 E	15
HEPTACHLOR	76-44-8	0.04	0.68 E	0.04	0.68 E	4	68 E	4	68 E	18	310 E	18	310 E	15
HEPTACHLOR EPOXIDE	1024-57-3	0.02	1.1 E	0.02	1.1 E	[2.0] 2	110 E	2	110 E	20	1,100 E	20	1,100 E	10
HEXACHLORO BENZENE	118-74-1	0.1	0.96 E	0.1	0.96 E	0.6	5.8 E	0.6	5.8 E	0.6	5.8 E	0.6	5.8 E	15
HEXACHLORO BUTADIENE	87-68-3	[0.1] 0.9	[1.2] 10 E	[0.1] 3.3	[1.2] 39 E	[10] 85	[120] 1,000 E	[10] 290	[120] 3,400 E	[100] 290	[1,200] 3,400 E	[100] 290	[1,200] 3,400 E	15
HEXACHLORO CYCLOPENTADIENE	77-47-4	5	91 E	5	91 E	180	3,300 E	180	3,300 E	180	3,300 E	180	3,300 E	15
HEXACHLORO ETHANE	67-72-1	0.1	0.56 E	0.1	0.56 E	10	56 E	10	56 E	10	56 E	10	56 E	15
HEXANE	110-54-3	[55] 150	[500] 1,400 E	[120] 610	[1,100] 5,600 E	950	8,700 E	950	8,700 E	[55] 150	[500] 1,400 E	[120] 610	[1,100] 5,600 E	15
HEXAZINONE	51235-04-2	40	8.5 E	40	8.5 E	4,000	850 E	4,000	850 E	40	8.5 E	40	8.5 E	NA
HEXYTHIAZOX (SAVEY)	78587-05-0	50	820 E	50	820 E	50	820 E	50	820 E	50	820 E	50	820 E	15
HMX	2691-41-0	40	4.8 E	40	4.8 E	500	60 E	500	60 E	40	4.8 E	40	438 E	NA
HYDRAZINE/HYDRAZINE SULFATE	302-01-2	[0.00088] 0.001	[0.00009] 8 E	[0.0038] 0.0051	[0.0042] 0.0057 E	[0.088] 0.1	[0.0098] 0.011 E	[0.38] 0.51	[0.042] 0.057 E	[0.008] 8 E	[0.00098] 0.0011 E	[0.038] 0.051 E	[0.0042] 0.0057 E	NA
HYDROQUINONE	123-31-9	[150] 1.2	[20] 0.16 E	[410] 4.6	[55] 0.62 E	[15,000] 120	[2,000] 16 E	[41,000] 460	[5,500] 62 E	[15,000] 1,200	[20,000] 160 E	[190,000] 4,600	[55,000] 620 E	NA
INDENO[1,2,3-CD]PYRENE	193-39-5	[0.09] 0.029	[7,000] 2,200 E	0.36	28,000 E	[6.2] 2.9	190,000 C	6.2	190,000 C	6.2	190,000 C	6.2	190,000 C	5
IPRODIONE	36734-19-7	150	430 E	410	1,200 E	1,300	3,700 E	1,300	3,700 E	150	430 E	410	1,200 E	20
ISOBUTYL ALCOHOL	78-83-1	[290] 1,100	[76] 290 E	[610] 3,100	[160] 810 E	10,000	[7,600] 10,000 E	10,000	10,000 C	10,000	[7,600] 10,000 E	10,000	10,000 C	NA
ISOPHORONE	78-59-1	10	1.9 E	10	1.9 E	1,000	190 E	1,000	190 E	10,000	1,900 E	10,000	1,900 E	NA
ISOPROPYL METHYLPHOSPHONATE	1832-54-8	70	8.1 E	70	8.1 E	7,000	810 E	7,000	810 E	70	8.1 E	70	8.1 E	NA
KEPONE	143-50-0	0.0041	0.56 E	0.016	2.2 E	0.41	56 E	1.6	220 E	4.1	560 E	16	2,200 E	10

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		100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	
MALATHION	121-75-5	10	34 E	10	34 E	1,000	3,400 E	1,000	3,400 E	[1,000] [3,400] [10,000]	[3,400] [10,000]	[1,000] [10,000]	[3,400] [10,000]	20		
MALEIC HYDRAZIDE	123-33-1	400	47 E	400	47 E	40,000	4,700 E	40,000	4,700 E	400	47 E	400	47 E	NA		
MANEB	12427-38-2	18	2 E	51	5.8 E	1,800	200 E	2,300	260 E	18	2 E	51	5.8 E	NA		
MERPHOS OXIDE	78-48-8	0.11	15 E	0.31	41 E	11	1,500 E	31	4,100 E	0.11	15 E	0.31	41 E	10		
METHACRYLONITRILE	126-98-7	[0.19] [0.15]	[0.031] [0.025] E	[0.41] [0.62]	[0.067] [0.1] E	[19] [15]	[3.1] [2.5] E	[41] [62]	[6.7] [10] E	[0.19] [0.15]	[0.031] [0.025] E	[0.41] [0.62]	[0.067] [0.1] E	NA		
METHAMIDOPHOS	10265-92-6	0.18	0.022 E	0.51	0.063 E	18	2.2 E	51	6.3 E	0.18	0.022 E	0.51	0.063 E	NA		
METHANOL	67-56-1	[490] [840]	[58] [99] E	[1,000] [3,500]	[120] [410] E	10,000	[5,800] [9,900] E	10,000	10,000 C	10,000	[5,800] [9,900] E	10,000	10,000 C	NA		
METHOMYL	16752-77-5	20	3.2 E	20	3.2 E	2,000	320 E	2,000	320 E	20	3.2 E	20	3.2 E	NA		
METHOXYCHLOR	72-43-5	4	630 E	4	630 E	4.5	710 E	4.5	710 E	4.5	710 E	4.5	710 E	10		
METHOXYETHANOL, 2-	109-86-4	[3.7] [4.2]	[0.41] [0.47] E	[10] [18]	[1.1] [2] E	[370] [420]	[41] [47] E	[1,000] [1,800]	[110] [200] E	[3.7] [4.2]	[0.41] [0.47] E	[10] [18]	[1.1] [2] E	NA		
METHYL ACETATE	79-20-9	3,700	690 E	10,000	1,900 E	10,000	10,000 C	10,000	10,000 C	3,700	690 E	10,000	1,900 E	NA		
METHYL ACRYLATE	96-33-3	110	27 E	310	77 E	10,000	2,700 E	10,000	7,700 E	10,000	2,700 E	10,000	7,700 E	NA		
METHYL CHLORIDE	74-87-3	[0.3] [3]	[0.038] [0.38] E	[0.3] [3]	[0.038] [0.38] E	[30] [300]	[3.8] [38] E	[30] [300]	[3.8] [38] E	[30] [300]	[3.8] [38] E	[30] [300]	[3.8] [38] E	NA		
METHYL ETHYL KETONE	78-93-3	[280] [400]	[54] [76] E	[580] [400]	[110] [76] E	10,000	[5,400] [7,600] E	10,000	[10,000] [7,600] C	10,000	[5,400] [7,600] E	10,000	[10,000] [7,600] C	NA		
METHYL ISOBUTYL KETONE	108-10-1	[19] [290]	[2.9] [45] E	[41] [820]	[6.3] [130] E	[1,900] [10,000]	[290] [4,500] E	[4,100] [10,000]	[630] [10,000] E	[1,900] [10,000]	[290] [4,500] E	[4,100] [10,000]	[630] [10,000] E	NA		
METHYL ISOCYANATE	624-83-9	0.21	0.029 E	0.88	0.12 E	21	2.9 E	88	12 E	0.21	0.029 E	0.88	0.12 E	NA		
METHYL N-BUTYL KETONE (2-HEXANONE)	591-78-6	1.1	0.27 E	4.4	1.1 E	110	27 E	440	110 E	1.1	0.27 E	4.4	1.1 E	NA		
METHYL METHACRYLATE	80-62-6	[190] [150]	[26] [20] E	[410] [620]	[56] [84] E	10,000	[2,600] [2,000] E	10,000	[5,600] [8,400] E	10,000	[2,600] [2,000] E	10,000	[5,600] [8,400] E	NA		
METHYL METHANESULFONATE	66-27-3	0.67	0.083 E	2.6	0.32 E	67	8.3 E	260	32 E	0.67	0.083 E	2.6	0.32 E	NA		

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REGULATED SUBSTANCE	CASRN	Used Aquifers										Non-Use Aquifers				Soil Buffer Distance (feet)				
		TDS ≤ 2500					TDS > 2500					Residential		Non-Residential						
		Residential		Non-Residential			Residential		Non-Residential			100 X GW MSC	Generic Value	100 X GW MSC	Generic Value					
		100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	E	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	E	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value					
METHYL PARATHION	298-00-0	[0.2] 0.1	[0.42] 0.21	E	[0.2] 0.1	[0.42] 0.21	E	[20] 10	[42] 21	E	[20] 10	[42] 21	E	[20] 100	[42] 210	E	30			
METHYL STYRENE (MIXED ISOMERS)	25013-15-4	[22] 8.4	[120] 47	E	[61] 35	[340] 200	E	[2,200] 840	[12,000] 4,700	E	[6,100] 3,500	[34,000] 10,000	E	[22] 8.4	[120] 47	E	[61] 35	[340] 200	E	15
METHYL TERT-BUTYL ETHER (MTBE)	1634-04-4	2	0.28	E	2	0.28	E	200	28	E	200	28	E	20	2.8	E	20	2.8	E	NA
METHYLCHLOROPHENOXYACETIC ACID (MCPA)	94-74-6	3	1.2	E	3	1.2	E	300	120	E	300	120	E	3,000	1,200	E	3,000	1,200	E	NA
METHYLENE BIS(2-CHLOROANILINE), 4,4'-	101-14-4	[0.51] 0.22	[3.9] 1.7	E	[2] 2.6	[15] 20	E	[51] 22	[390] 170	E	[200] 260	[1,500] 2,000	E	[0.51] 0.22	[3.9] 1.7	E	[2] 2.6	[15] 20	E	15
METHYLNAPHTHALENE, 2-	91-57-6	[73] 15	[2,900] 600	E	[200] 41	[8,000] 1,600	E	[2,500] 1,500	[10,000] 60,000	E	2,500	[10,000] 100,000	E	[73] 15	[2,900] 600	E	[200] 41	[8,000] 1,600	E	15
METHYLSTYRENE, ALPHA	98-83-9	[68] 260	[120] 460	E	[140] 720	[250] 1,300	E	[6,800] 10,000	[12,000] 10,000	E	[14,000] 10,000	[25,000] 10,000	E	[68] 260	[120] 460	E	[140] 720	[250] 1,300	E	30
METOLACHLOR	51218-45-2	70	40	E	70	40	E	7,000	4,000	E	7,000	4,000	E	70	40	E	70	40	E	NA
METRIBUZIN	21087-64-9	7	2.4	E	7	2.4	E	700	240	E	700	240	E	7	2.4	E	7	2.4	E	NA
MONOCHLOROACETIC ACID	79-11-8	7	0.78	E	7	0.78	E	700	78	E	700	78	E	7	0.78	E	7	0.78	E	NA
NAPHTHALENE	91-20-3	10	25	E	10	25	E	1,000	2,500	E	1,000	2,500	E	3,000	7,500	E	3,000	7,500	E	30
NAPHTHYLAMINE, 1-	134-32-7	0.037	0.3	E	0.14	1.1	E	3.7	30	E	14	110	E	37	300	E	140	1,100	E	15
NAPHTHYLAMINE, 2-	91-59-8	0.037	0.012	E	0.14	0.046	E	3.7	1.2	E	14	4.6	E	37	12	E	140	46	E	NA
NAPROPAMIDE	15299-99-7	370	860	E	1,000	2,300	E	7,000	16,000	E	7,000	16,000	E	370	860	E	1,000	2,300	E	30
NITROANILINE, M-	99-09-2	[0.21] 1.1	[0.033] 0.17	E	[0.58] 3.1	[0.091] 0.48	E	[21] 110	[3.3] 17	E	[58] 310	[9.1] 48	E	[0.21] 1.1	[0.033] 0.17	E	[0.58] 3.1	[0.091] 0.48	E	NA
NITROANILINE, O-	88-74-4	[0.21] 11	[0.038] 2	E	[0.58] 31	[0.1] 5.5	E	[21] 1,100	[3.8] 200	E	[58] 3,100	[10] 550	E	[0.21] 11	[0.038] 2	E	[0.58] 31	[0.1] 5.5	E	NA
NITROANILINE, P-	100-01-6	[0.21] 3.3	[0.031] 0.49	E	[0.58] 13	[0.086] 1.9	E	[21] 330	[3.1] 49	E	[58] 1,300	[8.6] 190	E	[0.21] 3.3	[0.031] 0.49	E	[0.58] 13	[0.086] 1.9	E	NA

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REGULATED SUBSTANCE	CASRN	Used Aquifers								Non-Use Aquifers				Soil Buffer Distance (feet)
		TDS ≤ 2500				TDS > 2500				Residential		Non-Residential		
		Residential		Non-Residential		Residential		Non-Residential		100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	
		100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	
NITROBENZENE	98-95-3	[1.8] 7.3	[0.79] 3.2	[5.1] 20	[2.2] 8.7	[180] 730	[79] 320	[510] 2,000	[220] 870	[1,800] 7,300	[790] 3,200	[5,100] 10,000	[2,200] 8,700	NA
NITROGUANIDINE	556-88-7	70	7.8	70	7.8	7,000	780	7,000	780	70	7.8	70	7.8	NA
NITROPHENOL, 2-	88-75-5	29	5.9	82	17	2,900	590	8,200	1,700	29,000	5,900	82,000	17,000	NA
NITROPHENOL, 4-	100-02-7	6	4.1	6	4.1	600	410	600	410	6,000	4,100	6,000	4,100	NA
NITROPROPANE, 2-	79-46-9	[0.0016] 0.0018	[0.00026] 0.00029	[0.0068] 0.0093	[0.0011] 0.0015	[0.16] 0.18	[0.026] 0.029	[0.68] 0.93	[0.11] 0.15	[0.016] 0.018	[0.0026] 0.0029	[0.068] 0.093	[0.011] 0.015	NA
NITROSODIETHYLAMINE, N-	55-18-5	[0.0001] 0.000045	[0.00001] 0.0000079	[0.0004] 0.00058	[0.00007] 0.0001	[0.01] 0.0045	[0.0018] 0.0008	[0.043] 0.058	[0.0076] 0.01	[0.001] 0.0004	[0.00018] 0.00008	[0.0043] 0.0058	[0.0007] 0.0001	NA
NITROSODIMETHYLAMINE, N-	62-75-9	[0.00031] 0.00014	[0.00004] 0.000019	[0.0013] 0.0018	[0.00017] 0.00024	[0.031] 0.014	[0.0041] 0.0019	[0.13] 0.18	[0.017] 0.024	[0.003] 0.0014	[0.00041] 0.00019	[0.013] 0.018	[0.0017] 0.0024	NA
NITROSO-DI-N-BUTYLAMINE, N-	924-16-3	[0.0027] 0.012	[0.0033] 0.015	[0.011] 0.048	[0.014] 0.059	[0.27] 1.2	[0.33] 1.5	[1.1] 4.8	[1.4] 5.9	[0.27] 12	[0.33] 15	[1.1] 48	[1.4] 59	NA
NITROSODI-N-PROPYLAMINE, N-	621-64-7	0.0094	0.0013	0.037	0.0051	0.94	0.13	3.7	0.51	9.4	1.3	37	5.1	NA
NITROSODIPHENYLAMINE, N-	86-30-6	13	20	53	83	1,300	2,000	3,500	5,500	3,500	5,500	3,500	5,500	30
NITROSO-N-ETHYLUREA, N-	759-73-9	[0.00047] 0.0008	[0.00005] 0.000092	[0.0019] 0.0096	[0.00022] 0.0011	[0.047] 0.08	[0.0054] 0.0092	[0.19] 0.96	[0.022] 0.11	[0.047] 0.8	[0.0054] 0.092	[0.19] 9.6	[0.022] 1.1	NA
OCTYL PHTHALATE, DI-N-	117-84-0	[73] 150	10,000	[200] 300	10,000	300	10,000	300	10,000	300	10,000	300	10,000	5
OXAMYL (VYDATE)	23135-22-0	20	2.6	20	2.6	2,000	260	2,000	260	20	2.6	20	2.6	NA
PARAQUAT	1910-42-5	3	120	3	120	300	12,000	300	12,000	3	120	3	120	15
PARATHION	56-38-2	22	130	61	360	2,000	10,000	2,000	10,000	22	130	61	360	15
PCB-1016 (AROCLOR)	12674-11-2	0.26	72	0.72	200	25	6,900	25	6,900	0.26	72	0.72	200	10
PCB-1221 (AROCLOR)	11104-28-2	[0.13] 0.033	[0.63] 0.16	[0.52] 0.13	[2.5] 0.63	[13] 3.3	[63] 16	[52] 13	[250] 63	[0.13] 0.033	[0.63] 0.16	[0.52] 0.13	[2.5] 0.63	20

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		TDS ≤ 2500					TDS > 2500					Residential		Non-Residential						
		Residential		Non-Residential			Residential		Non-Residential			100 X GW MSC	Generic Value	100 X GW MSC	Generic Value					
		100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	E	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	E	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value					
PCB-1232 (AROCLOR)	11141-16-5	[0.13] 0.033	[0.5] 0.13	E	[0.52] 0.13	[2] 0.5	E	[13] 3.3	[50] 13	E	[52] 13	[200] 50	[0.13] 0.033	[0.5] 0.13	E	[0.52] 0.13	[2] 0.5	E	20	
PCB-1242 (AROCLOR)	53469-21-9	[0.13] 0.033	[16] 4	E	[0.52] 0.13	[62] 16	E	[10] 3.3	[1,200] 400	E	10	1,200	E	[0.13] 0.033	[16] 4	E	[0.52] 0.13	[62] 16	E	10
PCB-1248 (AROCLOR)	12672-29-6	[0.037] 0.033	[18] 16	E	[0.14] 0.13	[67] 62	E	[4] 3.3	[1,800] 1,600	E	5.4	2,600	E	[0.04] 0.033	[18] 16	E	[0.14] 0.13	[67] 62	E	10
PCB-1254 (AROCLOR)	11097-69-1	[0.037] 0.033	[75] 67	E	[0.14] 0.13	[280] 260	E	[4] 3.3	[7,500] 6,700	E	5.7	10,000	C	[0.04] 0.033	[75] 67	E	[0.14] 0.13	[280] 260	E	5
PCB-1260 (AROCLOR)	11096-82-5	[0.11] 0.033	[500] 150	E	[0.43] 0.13	[1,900] 590	E	[8] 3.3	[36,000] 15,000	E	8	36,000	E	[0.11] 0.033	[500] 150	E	[0.43] 0.13	[1900] 590	E	5
PEBULATE	1114-71-2	180	300	E	510	860	E	9,200	10,000	C	9,200	10,000	C	180	300	E	510	860	E	30
PENTACHLOROBENZENE	608-93-5	2.9	230	E	8.2	660	E	74	5,900	E	74	5,900	E	74	5,900	E	74	5,900	E	10
PENTACHLOROETHANE	76-01-7	0.73	3.6	E	2.9	14	E	73	360	E	290	1,400	E	0.73	3.6	E	2.9	14	E	20
PENTACHLORONITROBENZENE	82-68-8	0.25	5	E	1	20	E	25	500	E	44	870	E	44	870	E	44	870	E	15
PENTACHLOROPHENOL	87-86-5	0.1	5	E	0.1	5	E	10	500	E	10	500	E	100	5,000	E	100	5,000	E	10
PHENACETIN	62-44-2	30	12	E	120	46	E	3,000	1,200	E	12,000	4,600	E	30,000	12,000	E	76,000	29,000	E	NA
PHENANTHRENE	85-01-8	110	10,000	E	110	10,000	E	110	10,000	E	110	10,000	E	110	10,000	E	110	10,000	E	10
PHENOL	108-95-2	[400] 200	[66] 33	E	[400] 200	[66] 33	E	[40,000] 20,000	[6,600] 3,300	E	[40,000] 20,000	[6,600] 3,300	E	[40,000] 20,000	[6,600] 3,300	E	[40,000] 20,000	[6,600] 3,300	E	NA
PHENYL MERCAPTAN	108-98-5	0.037	0.056	E	0.1	0.15	E	3.7	5.6	E	10	15	E	0.037	0.056	E	0.1	0.15	E	30
PHENYLENEDIAMINE, M-	108-45-2	22	3.1	E	61	8.6	E	2,200	310	E	6,100	860	E	22,000	3,100	E	61,000	8,600	E	NA
PHENYLPHENOL, 2-	90-43-7	[34] 35	[490] 500	E	[130] 140	[1,900] 2,000	E	[3,400] 3,500	[49,000] 50,000	E	[13,000] 14,000	[190,000] 190,000	E	[34,000] 35,000	190,000	C	70,000	190,000	C	15
PHORATE	298-02-2	[0.19] 0.73	[0.41] 1.6	E	[0.41] 2	[0.88] 4.3	E	[19] 73	[41] 160	E	[41] 200	[88] 430	E	[0.19] 0.73	[0.41] 1.6	E	[0.41] 2	[0.88] 4.3	E	30
PHTHALIC ANHYDRIDE	85-44-9	7,300	2,300	E	20,000	6,200	E	190,000	190,000	C	190,000	190,000	C	190,000	190,000	C	190,000	190,000	C	NA
PICLORAM	1918-02-1	50	7.4	E	50	7.4	E	5,000	740	E	5,000	740	E	50	7.4	E	50	7.4	E	NA

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		Residential		Non-Residential		Residential		Non-Residential		100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	
		100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	
PROMETON	1610-18-0	10	9.8 E	10	9.8 E	1,000	980 E	1,000	980 E	10	9.8 E	10	9.8 E	NA
PRONAMIDE	23950-58-5	[5] 270	[3.1] 170 E	[5] 770	[3.1] 470 E	[500] 1,500	[310] 920 E	[500] 1,500	[310] 920 E	[5] 270	[3.1] 170 E	[5] 770	[3.1] 470 E	NA
PROPANIL	709-98-8	18	9.2 E	51	26 E	1,800	920 E	5,100	2,600 E	18	9.2 E	51	26 E	NA
PROPANOL, 2- (ISOPROPYL ALCOHOL)	67-63-0	1,500	260 E	6,200	1,100 E	10,000	10,000 C	10,000	10,000 C	1,500	260 E	6,200	1,100 E	NA
PROPAZINE	139-40-2	1	0.5 E	1	0.5 E	100	50 E	100	50 E	1	0.5 E	1	0.5 E	NA
PROPHAM	122-42-9	[73] 10	[17] 2.4 E	[200] 10	[48] 2.4 E	[7,300] 1,000	[1,700] 240 E	[20,000] 1,000	[4,800] 240 E	[73] 10	[17] 2.4 E	[200] 10	[48] 2.4 E	NA
PROPYLBENZENE, N-	103-65-1	150	290 E	410	780 E	5,200	9,900 E	5,200	9,900 E	150	290 E	410	780 E	30
PROPYLENE OXIDE	75-56-9	0.28	0.049 E	1.1	0.19 E	28	4.9 E	110	19 E	0.28	0.049 E	1.1	0.19 E	NA
PYRENE	129-00-0	13	2,200 E	13	2,200 E	13	2,200 E	13	2,200 E	13	2,200 E	13	2,200 E	10
PYRIDINE	110-86-1	[0.97] 3.7	[0.11] 0.41 E	[2] 10	[0.22] 1.1 E	[97] 370	[11] 41 E	[200] 1,000	[22] 110 E	[9.7] 37	[1.1] 4.1 E	[20] 100	[2.2] 11 E	NA
QUINOLINE	91-22-5	[0.0055] 0.022	[0.018] 0.074 E	[0.022] 0.087	[0.074] 0.29 E	[0.55] 2.2	[1.8] 7.4 E	[2.2] 8.7	[7.4] 29 E	[5.5] 22	[18] 74 E	[22] 87	[74] 290 E	20
QUIZALOFOP (ASSURE)	76578-14-8	30	47 E	30	47 E	30	47 E	30	47 E	30	47 E	30	47 E	30
RDX	121-82-4	0.2	0.057 E	0.2	0.057 E	20	5.7 E	20	5.7 E	0.2	0.057 E	0.2	0.057 E	NA
RESORCINOL	108-46-3	7,300	850 E	20,000	2,300 E	190,000	85,000 E	190,000	190,000 C	7,300	850 E	20,000	2,300 E	NA
RONNEL	299-84-3	180	280 E	510	800 E	4,000	6,200 E	4,000	6,200 E	180	280 E	510	800 E	30
SIMAZINE	122-34-9	0.4	0.15 E	0.4	0.15 E	40	15 E	40	15 E	0.4	0.15 E	0.4	0.15 E	NA
STRYCHNINE	57-24-9	1.1	0.89 E	3.1	2.5 E	110	89 E	310	250 E	1,100	890 E	3,100	2,500 E	NA
STYRENE	100-42-5	10	24 E	10	24 E	1,000	2,400 E	1,000	2,400 E	1,000	2,400 E	1,000	2,400 E	30
TEBUTHIURON	34014-18-1	50	83 E	50	83 E	5,000	8,300 E	5,000	8,300 E	50	83 E	50	83 E	30
TERBACIL	5902-51-2	9	2.2 E	9	2.2 E	900	220 E	900	220 E	9	2.2 E	9	2.2 E	NA
TERBUFOS	13071-79-9	[0.09] 0.04	[0.12] 0.055 E	[0.09] 0.04	[0.12] 0.055 E	[9] 4	[12] 5.5 E	[9] 4	[12] 5.5 E	[0.09] 0.04	[0.12] 0.055 E	[0.09] 0.04	[0.12] 0.055 E	30
TETRACHLOROBENZENE, 1,2,4,5-	95-94-3	1.1	5.1 E	3.1	14 E	58	270 E	58	270 E	58	270 E	58	270 E	20
TETRACHLORODIBENZO-P-DIOXIN, 2,3,7,8- (TCDD)	1746-01-6	0.000003	0.032 E	0.000003	0.032 E	0.0003	3.2 E	0.0003	3.2 E	0.0019	20 E	0.0019	20 E	5
TETRACHLOROETHANE, 1,1,1,2-	630-20-6	7	18 E	7	18 E	700	1,800 E	700	1,800 E	700	1,800 E	700	1,800 E	30

¹ For other options see Section 250.308

All concentrations in mg/kg

E - Number calculated by the soil to groundwater equation in Section 250.308

C - Cap

NA - The soil buffer distance option is not available for this substance

APPENDIX A
TABLE 3 - MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN SOIL
B. Soil to Groundwater Numeric Values¹

REGULATED SUBSTANCE	CASRN	Used Aquifers										Non-Use Aquifers				Soil Buffer Distance (feet)
		TDS ≤ 2500					TDS > 2500					Residential		Non-Residential		
		Residential		Non-Residential			Residential		Non-Residential			100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	
		100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	
TETRACHLOROETHANE, 1,1,2,2-	79-34-5	0.03	0.0093 E	0.03	0.0093 E	3	0.93 E	3	0.93 E	3	0.93 E	3	0.93 E	3	0.93 E	NA
TETRACHLOROETHYLENE (PCE)	127-18-4	0.5	0.43 E	0.5	0.43 E	50	43 E	50	43 E	5	4.3 E	5	4.3 E	5	4.3 E	NA
TETRACHLOROPHENOL, 2,3,4,6-	58-90-2	[29] 110	[450] 1,700 E	[61] 310	[950] 4,800 E	[2,900] 11,000	[45,000] 170,000 E	[6,100] 18,000	[95,000] 190,000 E	[2,900] 18,000	[45,000] 190,000 E	[6,100] 18,000	[95,000] 190,000 E	15		
TETRAETHYL LEAD	78-00-2	0.00037	0.0046 E	0.001	0.012 E	0.037	0.46 E	0.1	1.2 E	0.37	4.6 E	1	12 E	15		
TETRAETHYLDITHIOPYROPHOSPHATE	3689-24-5	[0.49] 1.8	[0.73] 2.7 E	[1] 5.1	[1.5] 7.6 E	[49] 180	[73] 270 E	[100] 510	[150] 760 E	[0.49] 1.8	[0.73] 2.7 E	[1] 5.1	[1.5] 7.6 E	30		
TETRAHYDROFURAN	109-99-9	2.5	0.55 E	13	2.8 E	250	55 E	1,300	280 E	2.5	0.55 E	13	2.8 E	NA		
THIOFANOX	39196-18-4	1.1	0.12 E	3.1	0.34 E	110	12 E	310	34 E	1.1	0.12 E	3.1	0.34 E	NA		
THIRAM	137-26-8	18	47 E	51	130 E	1,800	4,700 E	3,000	7,800 E	18	47 E	51	130 E	20		
TOLUENE	108-88-3	100	44 E	100	44 E	10,000	4,400 E	10,000	4,400 E	10,000	4,400 E	10,000	4,400 E	NA		
TOLUIDINE, M-	108-44-1	[0.28] 0.37	[0.13] 0.17 E	[1.1] 1.4	[0.51] 0.65 E	[28] 37	[13] 17 E	[110] 140	[51] 65 E	[0.28] 0.37	[0.13] 0.17 E	[1.1] 1.4	[0.51] 0.65 E	NA		
TOLUIDINE, O-	95-53-4	[0.28] 0.37	[0.32] 0.42 E	[1.1] 1.4	[1.2] 1.6 E	[28] 37	[32] 42 E	[110] 140	[120] 160 E	[280] 370	[320] 420 E	[1,100] 1,400	[1,200] 1,600 E	NA		
TOLUIDINE, P-	106-49-0	0.35	0.32 E	1.4	1.3 E	35	32 E	140	130 E	0.35	0.32 E	1.4	1.3 E	NA		
TOXAPHENE	8001-35-2	0.3	1.2 E	0.3	1.2 E	30	120 E	30	120 E	0.3	1.2 E	0.3	1.2 E	20		
TRIALATE	2303-17-5	47	240 E	130	660 E	400	2,000 E	400	2,000 E	47	240 E	130	660 E	15		
TRIBROMOMETHANE (BROMOFORM)	75-25-2	[10] 8	[4.4] 3.5 E	[10] 8	[4.4] 3.5 E	[1,000] 800	[440] 350 E	[1,000] 800	[440] 350 E	[1,000] 800	[440] 350 E	[1,000] 800	[440] 350 E	NA		
TRICHLORO-1,2,2-TRIFLUOROETHANE, 1,1,2-	76-13-1	[8,300] 6,300	[26,000] 10,000 E	[17,000] 10,000	[53,000] 10,000 E	[17,000] 10,000	[53,000] 10,000 E	[17,000] 10,000	[53,000] 10,000 E	[17,000] 10,000	[53,000] 10,000 E	[17,000] 10,000	[53,000] 10,000 E	20		
TRICHLOROBENZENE, 1,2,4-	120-82-1	7	27 E	7	27 E	700	2,700 E	700	2,700 E	4,400	10,000 C	4,400	10,000 C	20		
TRICHLOROBENZENE, 1,3,5-	108-70-3	4	31 E	4	31 E	400	3,100 E	400	3,100 E	4	31 E	4	31 E	15		
TRICHLOROETHANE, 1,1,1-	71-55-6	20	7.2 E	20	7.2 E	2,000	720 E	2,000	720 E	200	72 E	200	72 E	NA		
TRICHLOROETHANE, 1,1,2-	79-00-5	0.5	0.15 E	0.5	0.15 E	50	15 E	50	15 E	5	1.5 E	5	1.5 E	NA		

¹ For other options see Section 250.308

All concentrations in mg/kg

E - Number calculated by the soil to groundwater equation in Section 250.308

C - Cap

NA - The soil buffer distance option is not available for this substance

APPENDIX A
TABLE 3 - MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN SOIL
B. Soil to Groundwater Numeric Values¹

REGULATED SUBSTANCE	CASRN	Used Aquifers								Non-Use Aquifers				Soil Buffer Distance (feet)						
		TDS ≤ 2500				TDS > 2500				Residential		Non-Residential								
		Residential		Non-Residential		Residential		Non-Residential		100 X GW MSC	Generic Value	100 X GW MSC	Generic Value							
		100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value							
TRICHLOROETHYLENE (TCE)	79-01-6	0.5	0.17	E	0.5	0.17	E	50	17	E	50	17	E	5	1.7	E	5	1.7	E	NA
TRICHLOROPHENOL, 2,4,5-	95-95-4	370	2,300	E	1,000	6,100	E	37,000	190,000	C	100,000	190,000	C	100,00	190,000	C	100,00	190,00	C	15
TRICHLOROPHENOL, 2,4,6-	88-06-2	[1.1] 3.7	[3.1] 11	E	[3.1] 10	[8.9] 29	E	[110] 370	[310] 1,100	E	[310] 1,000	[890] 2,900	E	[1,100] 3,700	[3,100] 11,000	E	[3,100] 10,000	[8,900] 29,000	E	20
TRICHLOROPHENOXYACETIC ACID, 2,4,5- (2,4,5-T)	93-76-5	7	1.5	E	7	1.5	E	700	150	E	700	150	E	7,000	1,500	E	7,000	1,500	E	NA
TRICHLOROPHENOXYPROPIONIC ACID, 2,4,5- (2,4,5-TP)(SILVEX)	93-72-1	5	22	E	5	22	E	500	2,200	E	500	2,200	E	5	22	E	5	22	E	20
TRICHLOROPROPANE, 1,1,2-	598-77-6	18	3.1	E	51	8.7	E	1,800	310	E	5,100	870	E	18	3.1	E	51	8.7	E	NA
TRICHLOROPROPANE, 1,2,3-	96-18-4	4	3.2	E	4	3.2	E	400	320	E	400	320	E	400	320	E	400	320	E	NA
TRICHLOROPROPENE, 1,2,3-	96-19-5	[18] 0.21	[11] 0.12	E	[51] 0.88	[30] 0.52	E	[1,800] 21	[1,100] 12	E	[5,100] 88	[3,000] 52	E	[18] 0.21	[11] 0.12	E	[51] 0.88	[30] 0.52	E	NA
TRIETHYLAMINE	121-44-8	1.5	0.36	E	6.2	1.5	E	150	36	E	620	150	E	1.5	0.36	E	6.2	1.5	E	NA
TRIFLURALIN	1582-09-8	0.5	0.96	E	0.5	0.96	E	50	96	E	50	96	E	0.5	0.96	E	0.5	0.96	E	30
TRIMETHYLBENZENE, 1,3,4- (TRIMETHYLBENZENE, 1,2,4-)	95-63-6	[1.6] 1.5	[9] 8.4	E	[3.5] 6.2	[20] 35	E	[160] 150	[900] 840	E	[350] 620	[2,000] 3,200	E	[160] 150	[900] 840	E	[350] 620	[2,000] 3,500	E	15
TRIMETHYLBENZENE, 1,3,5-	108-67-8	[1.6] 1.3	[2.8] 2.3	E	[3.5] 5.3	[6.2] 9.3	E	[160] 130	[280] 230	E	[350] 530	[620] 930	E	[1.6] 1.3	[2.8] 2.3	E	[3.5] 5.3	[6.2] 9.3	E	30
TRINITROGLYCEROL (NITROGLYCERIN)	55-63-0	0.5	0.056	E	0.5	0.056	E	50	5.6	E	50	5.6	E	0.5	0.056	E	0.5	0.056	E	NA
TRINITROTOLUENE, 2,4,6-	118-96-7	0.2	0.023	E	0.2	0.023	E	20	2.3	E	20	2.3	E	0.2	0.023	E	0.2	0.023	E	NA
VINYL ACETATE	108-05-4	[55] 42	[6.5] 5	E	[120] 180	[14] 21	E	[5,500] 4,200	[650] 500	E	[10,000] 10,000	[1,400] 2,100	E	[55] 42	[6.5] 5	E	[120] 180	[14] 21	E	NA
VINYL BROMIDE (BROMOETHENE)	593-60-2	[0.14] 0.15	[0.068] 0.073	E	[0.58] 0.78	[0.28] 0.38	E	[14] 15	[6.8] 7.3	E	[58] 78	[28] 38	E	[1.4] 1.5	[0.68] 0.73	E	[5.8] 7.8	[2.8] 3.8	E	NA
VINYL CHLORIDE	75-01-4	0.2	0.027	E	0.2	0.027	E	20	2.7	E	20	2.7	E	2	0.27	E	2	0.27	E	NA
WARFARIN	81-81-2	1.1	2.6	E	3.1	7.4	E	110	260	E	310	740	E	1,100	2,600	E	1,700	4,100	E	30
XYLENES (TOTAL)	1330-20-7	1,000	990	E	1,000	990	E	10,000	10,000	C	10,000	10,000	C	10,000	10,000	C	10,000	10,000	C	NA
ZINEB	12122-67-7	180	29	E	510	81	E	1,000	160	E	1,000	160	E	180	29	E	510	81	E	NA

¹ For other options see Section 250.308

All concentrations in mg/kg

E - Number calculated by the soil to groundwater equation in Section 250.308

C - Cap

NA - The soil buffer distance option is not available for this substance

APPENDIX A

**Table 4 - Medium-Specific Concentrations (MSCs) for Inorganic Regulated Substances in Soil
A. Direct Contact Numeric Values**

REGULATED SUBSTANCE	CASRN	Residential MSC 0-15 feet	Non-Residential MSCs			
			Surface Soil 0-2 feet		Subsurface Soil 2-15 feet	
ALUMINUM	7429-90-5	190,000 C	190,000 C	190,000 C	190,000 C	190,000 C
ANTIMONY	7440-36-0	88 G	1,100 G	190,000 G	190,000 G	190,000 C
ARSENIC	7440-38-2	12 G	53 G	190,000 G	190,000 G	190,000 C
BARIUM AND COMPOUNDS	7440-39-3	[15,000] 44,000 G	190,000 G	190,000 C	190,000 C	190,000 C
BERYLLIUM	7440-41-7	440 G	5,600 G	190,000 G	190,000 G	190,000 C
BORON AND COMPOUNDS	7440-42-8	[20,000] 44,000 G	190,000 G	190,000 C	190,000 C	190,000 C
CADMIUM	7440-43-9	[47] 110 G	[210] 1,400 G	190,000 G	190,000 G	190,000 C
CHROMIUM III	16065-83-1	190,000 C	190,000 C	190,000 C	190,000 C	190,000 C
CHROMIUM VI	18540-29-9	[94] 660 G	[420] 8,400 G	190,000 G	[190,000] 20,000 C	[C] N
COBALT	7440-48-4	[4,400] 66 G	[56,000] 840 G	190,000 G	190,000 G	190,000 C
COPPER	7440-50-8	[8,200] 8,100 G	100,000 G	190,000 G	190,000 G	190,000 C
CYANIDE, FREE	57-12-5	4,400 G	56,000 G	190,000 G	190,000 G	190,000 C
FLUORIDE	16984-48-8	8,800 G	110,000 G	190,000 G	190,000 G	190,000 G
IRON	7439-89-6	[66,000] 150,000 G	190,000 G	190,000 C	190,000 C	190,000 C
LEAD	7439-92-1	500 U	1,000 S	190,000 S	190,000 S	190,000 C
LITHIUM	7439-93-0	440 G	5,600 G	190,000 G	190,000 G	190,000 C
MANGANESE	7439-96-5	[31,000] 10,000 G	[190,000] 130,000 G	190,000 C	190,000 C	190,000 C
MERCURY	7439-97-6	[66] 35 G	[840] 450 G	190,000 G	190,000 G	190,000 C
MOLYBDENUM	7439-98-7	1,100 G	14,000 G	190,000 G	190,000 G	190,000 C
NICKEL	7440-02-0	4,400 G	56,000 G	190,000 G	190,000 G	190,000 C
PERCHLORATE	7790-98-9	150 G	2,000 G	190,000 G	190,000 G	190,000 G
SELENIUM	7782-49-2	1,100 G	14,000 G	190,000 G	190,000 G	190,000 C
SILVER	7440-22-4	1,100 G	14,000 G	190,000 G	190,000 G	190,000 C
THALLIUM	7440-28-0	15 G	200 G	190,000 G	190,000 G	190,000 C
TIN	7440-31-5	130,000 G	190,000 G	190,000 C	190,000 C	190,000 C
VANADIUM	7440-62-2	1,500 G	20,000 G	190,000 G	190,000 G	190,000 C
ZINC	7440-66-6	66,000 G	190,000 G	190,000 C	190,000 C	190,000 C

All concentrations in mg/kg

G - Ingestion

N - Inhalation

C - Cap

U - UBK Model

S - SEGH Model

APPENDIX A

**Table 4 - Medium-Specific Concentrations (MSCs) for Inorganic Regulated Substances in Soil
B. Soil to Groundwater Numeric Values**

REGULATED SUBSTANCE	CASRN	Used Aquifers								Non-use Aquifers				Soil Buffer Distance (feet)
		TDS = 2500				TDS > 2500				R		NR		
		R		NR		R		NR		R		NR		
		100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	
ALUMINUM	7429-90-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY	7440-36-0	0.6	27	0.6	27	60	2,700	60	2,700	600	27,000	600	27,000	15
ARSENIC	7440-38-2	[5] <u>1</u>	[150] <u>29</u>	[5] <u>1</u>	[150] <u>29</u>	[500] <u>100</u>	[15,000] <u>2,900</u>	[500] <u>100</u>	[15,000] <u>2,900</u>	[5,000] <u>1,000</u>	[150,000] <u>29,000</u>	[5,000] <u>1,000</u>	[150,000] <u>29,000</u>	15
BARIUM AND COMPOUNDS	7440-39-3	200	8,200	200	8,200	20,000	190,000	20,000	190,000	190,000	190,000	190,000	190,000	15
BERYLLIUM	7440-41-7	0.4	320	0.4	320	40	32,000	40	32,000	400	190,000	400	190,000	10
BORON AND COMPOUNDS	7440-42-8	60	[6.7] <u>190</u>	60	[6.7] <u>190</u>	6,000	[670] <u>19,000</u>	6,000	[670] <u>19,000</u>	60,000	[6,700] <u>190,000</u>	60,000	[6,700] <u>190,000</u>	[NA] <u>30</u>
CADMIUM	7440-43-9	0.5	38	0.5	38	50	3,800	50	3,800	500	38,000	500	38,000	15
CHROMIUM (III)	16065-83-1	10	190,000	10	190,000	1,000	190,000	1,000	190,000	10,000	190,000	10,000	190,000	5
CHROMIUM (VI)	18540-29-9	10	190	10	190	1,000	19,000	1,000	19,000	10,000	190,000	10,000	190,000	15
COBALT	7440-48-4	[73] <u>1</u>	[8.1] <u>50</u>	[200] <u>3</u>	[22] <u>140</u>	[7,300] <u>110</u>	[810] <u>5,000</u>	[20,000] <u>310</u>	[2,200] <u>14,000</u>	[73,000] <u>1,100</u>	[8,100] <u>50,000</u>	[190,000] <u>3,100</u>	[22,000] <u>140,000</u>	[NA] <u>15</u>
COPPER	7440-50-8	100	[36,000] <u>43,000</u>	100	[36,000] <u>43,000</u>	10,000	190,000	10,000	190,000	100,000	190,000	100,000	190,000	10
CYANIDE, FREE	57-12-5	20	200	20	200	2,000	20,000	2,000	20,000	20,000	190,000	20,000	190,000	20
FLUORIDE	16984-48-8	400	44	400	44	40,000	4,400	44,000	4,400	190,000	44,000	190,000	44,000	
IRON	7439-89-6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	7439-92-1	0.5	450	0.5	450	50	45,000	50	45,000	500	190,000	500	190,000	10
LITHIUM	7439-93-2	7	2,200	20	6,000	730	190,000	2,000	190,000	7,300	190,000	20,000	190,000	10
MANGANESE	7439-96-5	[NA] <u>30</u>	[NA] <u>2,000</u>	[NA] <u>30</u>	[NA] <u>2,000</u>	[NA] <u>3,000</u>	[NA] <u>190,000</u>	[NA] <u>3,000</u>	[NA] <u>190,000</u>	[NA] <u>30,000</u>	[NA] <u>190,000</u>	[NA] <u>30,000</u>	[NA] <u>190,000</u>	[NA] <u>15</u>
MERCURY	7439-97-6	0.2	10	0.2	10	20	1,000	20	1,000	200	10,000	200	10,000	15
MOLYBDENUM	7439-98-7	4	650	4	650	400	65,000	400	65,000	4,000	190,000	4,000	190,000	15
NICKEL	7440-02-0	10	650	10	650	1,000	65,000	1,000	65,000	10,000	190,000	10,000	190,000	15
PERCHLORATE	7790-98-9	2.6	0.29	7.2	0.8	260	29	720	80	2,600	290	7,200	800	NA
SELENIUM	7782-49-2	5	26	5	26	500	2,600	500	2,600	5,000	26,000	5,000	26,000	20
SILVER	7440-22-4	10	84	10	84	1,000	8,400	1,000	8,400	10,000	84,000	10,000	84,000	20
THALLIUM	7440-28-0	0.2	14	0.2	14	20	1,400	20	1,400	200	14,000	200	14,000	15

¹ For other options see Section 250.308

All concentrations in mg/kg

R – Residential

NR – Non-Residential

[G – Ingestion]

[H – Inhalation]

[C – Cap]

[U – UBK Model]

[S – SEGH Model]

NA - Not Applicable

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**Table 4 - Medium-Specific Concentrations (MSCs) for Inorganic Regulated Substances in Soil
B. Soil to Groundwater Numeric Values**

TIN	7440-31-5	2,200	[240] 190,000	6,100	[680] 190,000	190,000	[24,000] 190,000	190,000	[68,000] 190,000	190,000	190,000	190,000	190,000	[NA] 10
VANADIUM	7440-62-2	26	26,000	72	72,000	2,600	190,000	7,200	190,000	26,000	190,000	72,000	190,000	5
ZINC	7440-66-6	200	12,000	200	12,000	20,000	190,000	20,000	190,000	190,000	190,000	190,000	190,000	15

¹ For other options see Section 250.308

All concentrations in mg/kg

R – Residential

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APPENDIX A
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Regulated Substance	CAS	RfDo (mg/kg-d)	CSFo (mg/kg-d) ⁻¹	[RfDi (mg/kg-d)] RfC (mg/m ³)	[CSFi (mg/kg-d)-1] IUR (µg/m ³) ⁻¹	Koc	VOC?	Aqueous Sol (mg/L)	Aqueous Sol Reference ¹	TF Vol from Surface Soil	TF Vol from SubSurface Soil	Organic Liquid	Boiling Point (degrees C)	Degradation Coefficient (K)(yr ⁻¹)
ACENAPHTHENE	83-32-9	0.06 I		[0.06] [Ir]		4,900		3.8	1,5,6				279	1.24
ACENAPHTHYLENE	208-96-8	0.06 S		[0.06] [S]		4,500		16.1	5,6,7				280	2.11
ACEPHATE	30560-19-1	0.004 ↓	0.0087 ↓			3		818,000	6				340	
ACETALDEHYDE	75-07-0		[0.0077] [Ir]	[0.0026] 0.009 I	[0.0077] 0.0000022 I	4.1	X	1,000,000	1	13,100	15,100	X	20	
ACETONE	67-64-1	[0.1] 0.9 I		[8.86] 31 D		0.31	X	1,000,000	1	13,100	15,000	X	56	18.07
ACETONITRILE	75-05-8			[0.017] 0.06 I		0.5	X	1,000,000	1	13,100	15,000	X	82	4.50
ACETOPHENONE	98-86-2	0.1 I		[0.1] [Ir]		170		5,500	1			X	203	
ACETYLAMINOFLUORENE, 2- (2AAF)	53-96-3		3.8 C		[3.8] 0.0013 C	1,600		10.13	7				303	0.69
ACROLEIN	107-02-8	[0.02] [H] 0.0005 I		[0.000005] 7] 0.00002 †		0.56	X	208,000	1,2,4	13,100	15,100	X	53	4.50
ACRYLAMIDE	79-06-1	0.0002 I	4.5 [Ir] I	[0.0002] [Ir]	[4.55] 0.0013 I	25	X	2,151,000	4	13,000	15,000	[X]	[192.6] 193	
ACRYLIC ACID	79-10-7	0.5 I		[0.000286] 0.001 I		29	X	1,000,000	2	13,000	14,900	X	141	1.39
ACRYLONITRILE	107-13-1	[0.001] [H] 0.04 D	0.54 I	[0.000571] 0.002 I	[0.238] 0.000068 I	11	X	73,500	1	13,100	15,100	X	77	5.50
ALACHLOR	15972-60-8	0.01 I	[0.08] [H] 0.056 C	[0.01] [Ir]	[0.08] [Hr] I	110		140	2				[100] 378	
ALDICARB	116-06-3	0.001 I		[0.001] [Ir]		22		6,000	2				287	0.40
ALDICARB SULFONE	1646-88-4	0.001 I				10		8,000	5				317	
ALDICARB SULFOXIDE	1646-87-3	0.001 I				0.22		330,000	5				307	
ALDRIN	309-00-2	0.00003 I	17 I	[0.00003] [Ir]	[17.15] 0.0049 I	48,000		0.02	4,5,6				[145] 330	0.22
ALLYL ALCOHOL	107-18-6	0.005 I		[0.005] [Ir] 0.0003 P		3.2	X	1,000,000	2	13,100	15,000	X	97	18.07
AMETRYN	834-12-8	0.009				389		185	5				345	
AMINOBIHENYL, 4-	92-67-1		21 C		[21] 0.006 C	110		1,200	5				302	18.07
AMITROLE	61-82-5		0.94 C		[0.945] 0.00027 C	120		280,000	4				[200] 258	0.69
AMMONIA	7664-41-7	0.97 H		[0.0286] 0.1 I		3	X	310,000	2,5,7	13,100	15,000	X	[-33.3] -33	
AMMONIUM SULFAMATE	7773-06-0	0.2 I		[0.2] [Ir]		3		2,160,000	10				[200] 603	

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ANILINE	62-53-3	0.007 [N] P	0.0057 I	[0.000286] 0.001 I	[0.0056] 0.0000016 C	190	X	33,800	1	13,000	14,900	X	184	
ANTHRACENE	120-12-7	0.3 I		[0.3] [Ir]		21,000		0.066	1,5,6,7,8,9				340	0.28
ATRAZINE	1912-24-9	0.035 I	[0.222] [H] 0.23 C	[0.035] [Ir]	[0.222] [Hr]	130		70	2,4,5				[200] 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		[0.004] [Ir]		31		2,000	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	[0.003] [N] 0.004 I	[0.029] 0.055 I	[0.0017] [N] 0.03 I	[0.027] 0.0000078 I	58	X	1,780.5	1,2,3,4	13,100	15,000	X	81	0.35
BENZIDINE	92-87-5	0.003 I	230 I	[0.003] [Ir]	[230] [Ir] 0.067 I	530,000		520	1,2,4				400	15.81
BENZO[A]ANTHRACENE	56-55-3		0.73 N		[0.31] [T] 0.00011 C	350,000		0.011	1,5,6				438	0.19
BENZO[A]PYRENE	50-32-8		7.3 I		[3.1] [N] 0.0011 C	910,000		0.0038	1,5,6				495	0.24
BENZO[B]FLUORANTHENE	205-99-2		0.73 N		[0.31] [T] 0.00011 C	550,000		0.0012	5,6,7				357	0.21
BENZO[GHI]PERYLENE	191-24-2	0.06 S		[0.06] [S]		2,800,000		0.00026	1,5,6				500	0.19
BENZO[K]FLUORANTHENE	207-08-9		0.073 N	-	[0.031] [T] 0.00011 C	4,400,000		0.00055	5,6,7				480	0.06
BENZOIC ACID	65-85-0	4 I		[4] [Ir]		32		2,700	2,3,4,5				249	
BENZOTRICHORIDE	98-07-7		13 I			920		53	1,5,13			X	221	121,413.60
BENZYL ALCOHOL	100-51-6	[0.3] 0.5 [H] P		[0.3] [Hr]		100		40,000	1,2,3			X	205	
BENZYL CHLORIDE	100-44-7	0.002 P	0.17 I	0.001 P	[0.1715] 0.000049 C	190	X	493	1	13,000	15,000	X	179	20.90
BETA PROPIOLACTONE	57-57-8		14 C		0.004 C	4	X	370,000	2	13,100	15,000	X	162	0.01
BHC, ALPHA	319-84-6	0.008 D	6.3 I	[0.0006] [S]	[6.3] 0.0018 I	1,800		1.7	4,5,6,7				288	0.94
BHC, BETA-	319-85-7	[0.0006] [D]	1.8 I	[0.0006] [Dr]	[1.855] 0.00053 I	2,300		0.1	6				[60] 304	1.02
[BHC, DELTA-]	[319-86-8]	[0.0006] [S]		[0.0006] [S]		[1,900]		[8]	[6]				[60]	[1.26]
BHC, GAMMA (LINDANE)	58-89-9	0.0003 I	[1.3] 1.1 [H] C	[0.0003] [Ir]	[1.085] 0.00031 C	1,400		7.3	4,5,6				323	1.05

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BIPHENYL, 1,1-	92-52-4	0.05 I		[0.05] [Ir]		1,700		7.2	1				255	18.07
BIS(2-CHLOROETHOXY)METHANE	111-91-1	0.003 P				61		100,500	4,6,7,9,10,11			X	218	
BIS(2-CHLOROETHYL)ETHER	111-44-4		1.1 I		[1.155] 0.00033 I	76	X	10,200	1,4,5	13,000	14,900	X	179	0.69
BIS(2-CHLORO-ISOPROPYL)ETHER	108-60-1	0.04 I	0.07 H	[0.04] [Ir]	[0.035] 0.00001 H	62	X	1,700	5	13,000	14,900	X	189	0.69
BIS(CHLOROMETHYL)ETHER	542-88-1		220 I		[217] 0.062 I	16	X	22,000	6	13,100	15,100	X	105	57,270.57
BIS[2-ETHYLHEXYL] PHTHALATE	117-81-7	0.02 I	0.014 I	[0.02] [Ir]	[0.014] [N] 0.0000024 C	87,000		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	16,700	4	13,100	15,000	X	68	
BROMODICHLOROMETHANE	75-27-4	0.02 I	0.062 I	[0.02] [Ir]	[0.1295] 0.000037 C	93	X	4,500	6	13,100	15,000	X	87	
BROMOMETHANE	74-83-9	0.0014 I		[0.0014] 0.005 I		170	X	17,500	2	13,100	15,000	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	<u>0.002</u> I	[0.98] 0.00003 I	120	X	735	1	13,200	15,000	X	-4.5	4.50
BUTYL ALCOHOL, N-	71-36-3	0.1 I		[0.1] [Ir]		3.2	X	74,000	1	13,000	14,900	X	118	4.68
BUTYLATE	2008-41-5	0.05 I				540	X	45	2	13,200	15,200	X	138	
BUTYLBENZENE, N-	104-51-8	0.04 N				2,500	X	15	1,6,7	13,100	15,100	X	[183.1] 183	
BUTYLBENZENE, SEC-	135-98-8	0.04 N				890	X	17	1,6,7	13,100	15,000	X	[173.5] 174	
BUTYLBENZENE, TERT-	98-06-6	0.04 N				680	X	30	1,6,7	13,100	15,000	X	169	
BUTYLBENZYL PHTHALATE	85-68-7	0.2 I	<u>0.0019</u> P	[0.2] [Ir]		34,000		2.69	4,5,6			X	370	1.39
CAPTAN	133-06-2	0.13 I	[0.0035] [H] <u>0.0023</u> C	[0.13] [Ir]	[0.00231] 0.0000006 C 6	200		0.5	4				259	589.39
CARBARYL	63-25-2	0.1 I		[0.1] [Ir]		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		[0.005] [Ir]		43		700	2				[200] 311	

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CARBON DISULFIDE	75-15-0	0.1 I		[0.2] 0.7 I		300	X	2,100	1,2,3	13,100	15,100	X	46	
CARBON TETRACHLORIDE	56-23-5	0.0007 I	0.13 I	[0.00057] [N] 0.19 D	[0.0525] 0.000015 I	160	X	795	1,2,3	13,100	15,000	X	77	0.07
CARBOXIN	5234-68-4	0.1 I				260		170	5,6,8				407	
CHLORAMBEN	133-90-4	0.015 I		[0.015] [Ir]		20		700	2				210	
CHLORDANE	57-74-9	0.0005 I	0.35 I	[0.0002] 0.0007 I	[0.35] 0.0001 I	98,000		0.056	4,5,7				[175] 351	[0.091] 0.09
CHLORO-1,1-DIFLUOROETHANE, 1-	75-68-3			[14.3] 50 I		22	X	1,400	4	13,100	15,000	X	[-9.2] -9	
CHLORO-1-PROPENE, 3- (ALLYL CHLORIDE)	107-05-1	[0.00028 6] [Ir]	0.021 C	[0.000286] 0.001 I	[0.021] 0.000006 C	48	X	3,300	1,3,5,7,10	13,100	15,000	X	45	18.07
CHLOROACETOPHENONE, 2-	532-27-4	[0.00000 857] [Ir]		[0.000008 57] I 0.00003		76		1,100	3				247	4.50
CHLOROANILINE, P-	106-47-8	0.004 I	0.2 P	[0.004] [Ir]		460		3,900	1				232	
CHLOROBENZENE	108-90-7	0.02 I		[0.00571] [H] 0.05 P		200	X	490	3	13,100	15,000	X	132	0.84
CHLOROENZILATE	510-15-6	0.02 I	[0.27] 0.11 [H] C	[0.02] [Ir]	[0.273] [H] 0.000031 C	2600		13	4			[X]	415	3.60
CHLOROBUTANE, 1-	109-69-3	0.4 [H] P				580	X	680	1,2,3,4	13,200	15,000	X	[78.5] 79	
CHLORODIBROMOMETHANE	124-48-1	0.02 I	0.084 I	[0.02] [Ir]	[0.0945] 0.000027 C	83	X	4,200	4,6,7,9	13,100	15,100	X	116	1.39
CHLORODIFLUOROMETHANE	75-45-6			[14] 50 I		59	X	2,899	4	13,200	15,000	X	[-40.8] -41	
CHLOROETHANE	75-00-3	0.4 [Ir] N	0.0029 N	[2.86] 10 I	[0.0029] [Ir] I	42	X	5,700	1	13,100	15,000	X	12	4.50
CHLOROFORM	67-66-3	0.01 I	[0.0061] [I]	[0.00009] [N] 0.098 D	[0.0805] 0.000023 I	56	X	8,000	1,2,3	13,100	15,000	X	61	0.01
CHLORONAPHTHALENE, 2-	91-58-7	0.08 I		[0.08] [Ir]		8,500		11.7	1				256	
CHLORONITROBENZENE, P-	100-00-5	0.001 P	[0.018] [H] 0.0063 P	[0.00017] 0.0006 P		480		220	1				242	
CHLOROPHENOL, 2-	95-57-8	0.005 I		[0.005] [Ir]		400	X	24,000	1,3,4	12,900	14,900	X	175	
CHLOROPRENE	126-99-8	0.02 H		[0.002] 0.007 H		50	X	1,736	9	13,100	15,000	X	59	0.69
CHLOROPROPANE, 2-	75-29-6			[0.0286] 0.1 H		260	X	3,100	1,3,5	13,200	15,000	X	[47.2] 47	

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CHLOROTHALONIL	1897-45-6	0.015 I	[0.011] [H] 0.0031 C		[0.0031] 0.0000008 9 C	980		0.6	2				350	
CHLOROTOLUENE, O-	95-49-8	0.02 I				760	X	422	14,15	13,100	15,000	X	[158.97] 159	
CHLOROTOLUENE, P-	106-43-4	0.07 P				375	X	106	12	13,000	14,900	X	162	
CHLORPYRIFOS	2921-88-2	0.003 I		[0.003] [Ir]		4,600		1.12	2,4,6,7				[200] 377	
CHLORSULFURON	64902-72-3	0.05 I				11		192	2,5,6,8,9				[152] 531	
CHLORTHAL-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		[0.0031] [T] 0.000014 C	490,000		0.0019	1				448	[0.126] 0.13
CRESOL(S)	1319-77-3	0.005 S		0.06 C		25	X	20,000	2	13,000	14,900	X	139	5.16
CRESOL, 4,6-DINITRO-O-	534-52-1	0.0001 P				257		150	4				312	6.02
CRESOL, O- (METHYLPHENOL, 2-)	95-48-7	0.05 I				[97] 22	X	2,500	3,5,6	13,000	14,900	[X]	191	18.07
CRESOL, M (METHYLPHENOL, 3-)	108-39-4	0.05 I				35		2,500	2			X	202	5.16
CRESOL, P (METHYLPHENOL, 4-)	106-44-5	0.005 H				49		22,000	6				202	9.03
CRESOL, P-CHLORO-M-	59-50-7	0.005 S				780		3,846	2				235	
CROTONALDEHYDE	4170-30-3		1.9 S		[1.9] [Sr]	5.6	X	180,000	3	13,000	14,900	X	104	18.07
CROTONALDEHYDE, TRANS-	123-73-9		1.9 H		[1.9] [Hr]	6.1	X	156,000	1	13,100	15,100	X	104	18.07
CUMENE (ISOPROPYL BENZENE)	98-82-8	0.1 I		[0.11] 0.4 I		2,800	X	50	1,5,6	13,100	15,100	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	13,100	15,100	X	81	
CYCLOHEXANONE	108-94-1	5 I		[5] [Ir]		66	X	36,500	1,2,4,5	13,000	14,900	X	157	
CYFLUTHRIN	68359-37-5	0.025 I				130,000	[X]	0.001	2	[13,000]	[15,000]	[X]	448	
CYROMAZINE	66215-27-8	0.0075 I				1,200		11,000	12				222	
DDD, 4,4'-	72-54-8	0.002 P	0.24 I		[0.2415] 0.000069 C	44,000		0.16	5,6,7				[193] 350	0.02
DDE, 4,4'-	72-55-9		0.34 I		[0.34] 0.000097 C	87,000		0.04	5				348	0.02
DDT, 4,4'-	50-29-3	0.0005 I	0.34 I	[0.0005] [Ir]	[0.34] 0.000097 I	240,000		0.0055	5,6,7				260	0.02

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DI(2-ETHYLHEXYL)ADIPATE	103-23-1	0.6 I	0.0012 I			47,000,000		200	5	[13,000]	[14,900]	X	214	4.50
DIALATE	2303-16-4		0.061 H		[0.061] [Hr] I	190	[X]	40	2,4,6,8	[12,900]	[14,900]	X	[150] 328	1.39
DIAMINOTOLUENE, 2,4-	95-80-7		[3.2] 3.8 [H] C		[4] 0.0011 C	36		7,470	4				292	0.69
DIAZINON	333-41-5	[0.0009] [H] 0.0007 D			[0.0009] [Hr] I	500		50	2,4,6,8			X	306	
DIBENZO[A,H]ANTHRACENE	53-70-3		7.3 N		[3.1] [T] 0.0012 C	1,800,000		0.0006	1,5,6				524	0.13
DIBENZOFURAN	132-64-9	0.001 P				10,233		4.48	1,6,7,9				287	7.23
DIBROMO-3-CHLOROPROPANE, 1,2-	96-12-8	[0.00005 71] [Ir] 0.0002 P	[1.4] 0.8 [H]	[0.000057 1] 0.0002 I	[0.00242] [H] 0.006 P	140	X	1,000	4	13,000	15,000	X	196	0.69
DIBROMOBENZENE, 1,4-	106-37-6	0.01 I				1,600		20	1				[220.4] 220	
DIBROMOETHANE, 1,2- (ETHYLENE DIBROMIDE)	106-93-4	[0.00005 [Hr] 71] 0.009 I!	[85] 2 I	[0.000057 [H] 1] 0.009 I!	[0.77] I 0.0006 I	54	X	4,150	1,2,3,5	13,100	15,100	X	131	2.11
DIBROMOMETHANE	74-95-3	0.01 H		[0.01] [Hr] I		110	X	11,400	1	13,100	15,100	X	96	4.50
DIBUTYL PHTHALATE, N-	84-74-2	0.1 I		[0.1] [Ir]		1,600		400	1,2,3			X	340	11.00
DICAMBA	1918-00-9	0.03 I				0.27		5,600	4,5,6,8,10				329	
DICHLOROACETIC ACID	76-43-6	0.004 I				8.1	X	1,000,000	1	12,900	14,900	X	194	
DICHLORO-2-BUTENE, 1,4-	764-41-0				[9.3] [H] 0.0042 P	180	X	850	9	13,100	15,000	X	156	
DICHLORO-2-BUTENE, TRANS-1,4-	110-57-6				0.0042 S	215	X	850	9	12,900	14,800	X	155	
DICHLOROBENZENE, 1,2-	95-50-1	0.09 I		[0.0571] 0.2 H		350	X	147	1,4,5,6,7	13,100	15,100	X	180	0.69
DICHLOROBENZENE, 1,3-	541-73-1	[0.03] 0.003 N				360	X	106	1	13,100	15,100	X	173	0.69
DICHLOROBENZENE, P-	106-46-7	[0.03] [N] 0.07 D	[0.024] [H] 0.0054 C	[0.229] 0.8 I	[0.022] [N] 0.000011 C	510	X	82.9	1	12,900	14,900		174	0.69
DICHLOROBENZIDINE, 3,3'-	91-94-1		0.45 I		[1.19] 0.00034 C	22,000		3.11	4,5,6				368	0.69
DICHLORODIFLUOROMETHANE (FREON 12)	75-71-8	0.2 I		[0.0571] 0.2 H		360	X	280	1	13,200	15,000	X	-30	0.69
DICHLOROETHANE, 1,1-	75-34-3	[0.1] 0.2 [H] P	0.0057 C	[0.143] 0.5 H	[0.0056] 0.0000016 C	52	X	5,000	2	13,100	15,000	X	57	0.16

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DICHLOROETHANE, 1,2-	107-06-2	<u>[0.03]</u> [N] <u>0.02</u> P	0.091 I	[0.23] <u>2.4</u> D	<u>[0.091]</u> <u>0.000026</u> I	38	X	8,412	1,2,3,4	13,100	15,000	X	83	<u>[0.69]</u> <u>0.07</u>
DICHLOROETHYLENE, 1,1-	75-35-4	<u>[0.009]</u> <u>0.05</u> I	[0.6] [I]	[0.009] <u>0.2</u> [I] I	[0.175] [I]	65	X	2,500	1,4,5	13,100	15,000	X	32	0.19
DICHLOROETHYLENE, CIS-1,2-	156-59-2	0.01 [I] P		[0.01] [I] r		49	X	3,500	1	13,100	15,000	X	60	0.01
DICHLOROETHYLENE, TRANS-1,2-	156-60-5	0.02 I		[0.02] <u>0.06</u> [I] P		47	X	6,300	1	13,100	15,000	X	48	0.01
DICHLOROMETHANE (METHYLENE CHLORIDE)	75-09-2	0.06 I	0.0075 I	[0.8571] <u>1</u> [H] D	<u>[0.00165]</u> <u>0.0000004</u> I 7	16	X	20,000	1,2,3	13100	15,000	X	40	4.50
DICHLOROPHENOL, 2,4-	120-83-2	0.003 I		[0.003] [I] r		160		4,500	1				210	5.88
DICHLOROPHENOXYACETIC ACID, 2,4-(2,4-D)	94-75-7	0.01 I		[0.01] [I] r		59		677	4,5,6,7,10				215	1.39
DICHLOROPROPANE, 1,2-	78-87-5	0.09 D	<u>[0.068]</u> [H] <u>0.036</u> C	[0.0011] <u>0.004</u> I	<u>[0.036]</u> <u>0.00001</u> C	47	X	2,700	1,3,4	13,100	15,000	X	96	0.10
DICHLOROPROPENE, 1,3-	542-75-6	0.03 I	0.1 I	[0.0057] <u>0.02</u> I	<u>[0.014]</u> <u>0.000004</u> I	27	X	2,700	6	13,100	15,000	X	108	22.38
DICHLOROPROPIONIC ACID, 2,2-(DALAPON)	75-99-0	0.03 I		[0.03] [I] r		62	X	500,000	5	13,000	14,900	X	190	2.11
DICHLORVOS	62-73-7	0.0005 I	0.29 I	<u>[0.000143]</u> <u>0.0005</u> I	<u>[0.291]</u> <u>0.000083</u> C	50		10,000	2,4,5			X	<u>[140]</u> <u>234</u>	
DICYCLOPENTADIENE	77-73-6	<u>[0.03]</u> [H] <u>0.008</u> P		[0.000057] [H] <u>1</u> <u>0.007</u> P		810	X	40	5	<u>13.000</u>	<u>14.900</u>	[X]	167	
DIELDRIN	60-57-1	0.00005 I	16 I	[0.00005] [I] r	<u>[16.1]</u> <u>0.0046</u> I	11,000		0.17	4,5,6			[X]	385	0.12
DIETHANOLAMINE	111-42-2			<u>0.003</u> C		<u>4</u>		<u>1.000.000</u>	<u>2.3.9</u>			X	<u>269</u>	
DIETHYL PHTHALATE	84-66-2	0.8 I		[0.8] [I] r		81		1,080	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	160.000	9	13.000	14.900	X	190	
DIMETHOATE	60-51-5	0.0002 I		[0.0002] [I] r		110		25,000	4				<u>[200]</u> <u>361</u>	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	

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DIMETHYLAMINOAZOBENZENE, P-	60-11-7		4.6 C		[4.55] 0.0013 C	1,000		13.6	7				[200] 335	4.50
DIMETHYLANILINE, N,N-	121-69-7	0.002 I				180	X	1,200	5,6,7,9	13,000	14,900	X	192	0.69
DIMETHYLBENZIDINE, 3,3-	119-93-7		[9.2] 11 H		[9.2] [Hr]	22,000		1,300	10			[X]	300	18.07
DIMETHYL METHYLPHOSONATE	756-79-6	0.06 P	0.0017 P			5	X	1,000,000	14	13,000	14,900	X	181	
DIMETHYLPHENOL, 2,4-	105-67-9	0.02 I		[0.02] [Ir]		130		7,869	1,4,6,7			X	211	18.07
DINITROBENZENE, 1,3-	99-65-0	0.0001 I		[0.0001] [Ir]		150		523	3,5,6,7				[300] 291	0.69
DINITROPHENOL, 2,4-	51-28-5	0.002 I		[0.002] [Ir]		0.79		5,600	2,4,5,6,7				332	0.48
DINITROTOLUENE, 2,4-	121-14-2	0.002 I	0.31 C	[0.002] [Ir]	[0.31] 0.000089 C	51		270	4,5,6				300	0.69
DINITROTOLUENE, 2,6- (2,6-DNT)	606-20-2	0.001 [H] P		[0.001] [Hr]		74		200	6				300	0.69
DINOSEB	88-85-7	0.001 I		[0.001] [Ir]		120		50	5				223	1.03
DIOXANE, 1,4-	123-91-1	0.1 D	0.011 I	3.6 D	[0.027] 0.0000077 C	7.8	X	1,000,000	5	13,000	14,900	X	101	0.69
DIPHENAMID	957-51-7	0.03 I				200		260	5				210	
DIPHENYLAMINE	122-39-4	0.025 I		[0.025] [Ir]		190		300	3				302	4.50
DIPHENYLHYDRAZINE, 1,2-	122-66-7		0.8 I		[0.77] 0.00022 I	660		0.252	6				309	0.69
DIQUAT	85-00-7	0.0022 I		[0.0022] [Ir]		2.6		700,000	5				355	
DISULFOTON	298-04-4	0.00004 I		[0.00004] [Ir]		1,000	[X]	25	4,5,6	[13,400]	[15,400]	X	[133] 332	6.02
DITHIANE, 1,4-	505-29-3	0.01 I				22.7	X	3,000	15	13,000	14,900		199	
DIURON	330-54-1	0.002 I		[0.002] [Ir]		300		42	2,4,5				354	
ENDOSULFAN	115-29-7	0.006 I		[0.006] [Ir]		2,000		0.48	4				[106] 401	2.78
ENDOSULFAN I (ALPHA)	959-98-8	0.006 S		[0.006] [Sr]		2,000		0.5	6				[200] 401	
ENDOSULFAN II (BETA)	33213-65-9	0.006 S		[0.006] [Sr]		2,300		0.45	6				390	
ENDOSULFAN SULFATE	1031-07-8	0.006 S		[0.006] [Sr]		2,300		0.117	7,9				[200] 409	
ENDOTHALL	145-73-3	0.02 I		[0.02] [Ir]		120		100,000	2				[200] 350	
ENDRIN	72-20-8	0.0003 I		[0.0003] [Ir]		11,000		0.23	4,6,7,9				245	

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EPICHLOROHYDRIN	106-89-8	[0.002] [H] 0.006 P	0.0099 I	[0.000286] 0.001	[0.0042] 0.0000012	35	X	65,800	1,3,4	13,000	14,900	X	116	4.50
ETHEPHON	16672-87-0	0.005 I				2		1,240,000	12				201	
ETHION	563-12-2	0.0005 I		[0.0005] [Ir]		8,700		0.85	4,6,9,10			X	[200] 415	
ETHOXYETHANOL, 2- (EGEE)	110-80-5	0.4 H		[0.057] 0.2 I		12	X	1,000,000	2	13,200	15,000	X	136	4.50
ETHYL ACETATE	141-78-6	0.9 I		[0.9] [Ir]		59	X	80,800	1,2,3,4,5,6	13,100	15,000	X	77	18.07
ETHYL ACRYLATE	140-88-5		0.048 H		[0.048] [Hr]	110	X	15,000	1,2,6	13,100	15,100	X	100	18.07
ETHYL BENZENE	100-41-4	0.1 I		[0.286] 1 I		220	X	161	1,3,4	13,100	15,000	X	136	1.11
ETHYL DIPROPYLTHIOCARBAMATE, S- (EPTC)	759-94-4	0.025 I				240	X	365	2	12,900	14,900	X	127	
ETHYL ETHER	60-29-7	0.2 I		[0.2] [Ir]		68	X	60,400	1	13,100	15,100	X	35	
ETHYL METHACRYLATE	97-63-2	0.09 H		[0.09] [Hr]		22	X	4635.5	9,10	13,100	15,000	X	117	
ETHYLENE GLYCOL	107-21-1	2 I		[2] 0.4 [Ir] C		4.4	X	1,000,000	2	13,100	15,100	X	198	10.54
ETHYLENE THIOUREA (ETU)	96-45-7	0.00008 I	[0.11] [H] 0.045 C	[0.00008] [Ir]	[0.045] 0.000013 C	0.23		20,000	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		[0.00025] [Ir]		300		329	2				[200] 390	
FENVALERATE (PYDRIN)	51630-58-1	0.025 I				4,400		0.085	5	[20,500]	[25,800]	X	300	
FLUOMETURON	2164-17-2	0.013 I				68		97.5	2,5,6,8				318	
FLUORANTHENE	206-44-0	0.04 I		[0.04] [Ir]		49,000		0.26	1,5,6				375	0.29
FLUORENE	86-73-7	0.04 I		[0.04] [Ir]		7,900		1.9	1				298	2.11
FLUOROTRICHLOROMETHANE (FREON 11)	75-69-4	0.3 I		[0.2] 0.7 H		130	X	1,090	1,4,5,6	13,100	15,000	X	24	0.35
FONOFOS	944-22-9	0.002 I		[0.002] [Ir]		1,100	[X]	13	5,6,8	[13,400]	[15,500]	X	[130] 324	
FORMALDEHYDE	50-00-0	0.2 I	[0.0455] [Ir]	[0.0011] 0.0098 D	[0.0455] 0.000013 I	3.6	X	55,000	1	13,100	15,100	X	-21	18.07
FORMIC ACID	64-18-6	2 H		[2] 0.003 [Hr] P		0.54	X	1,000,000	2	13,000	14,900	X	101	18.07
FOSETYL-AL	39148-24-8	3 I				310		120,000	2				464	
FURAN	110-00-9	0.001 I				130	X	10,000	1	13,100	15,000	X	[31.36] 31	2.25

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FURFURAL	98-01-1	0.003 I		[0.0143] 0.05 H		6.3	X	91,000	1,2,3	13,000	14,900	X	162	
GLYPHOSATE	1071-83-6	0.1 I		[0.1] [Ir]		3,500		12,000	1,5,6				[186] 417	
HEPTACHLOR	76-44-8	0.0005 I	4.5 I	[0.0005] [Ir]	[4.55] 0.0013 I	6,800		0.18	4,6,7				310	46.84
HEPTACHLOR EPOXIDE	1024-57-3	0.000013 I	9.1 I	[0.000013] [Ir]	[9.1] 0.0026 I	21,000		0.311	4,6,7,9				[200] 341	0.23
HEXACHLOROBENZENE	118-74-1	0.0008 I	1.6 I	[0.0008] [Ir]	[1.61] 0.00046 I	3,800		0.006	1,4,5				319	0.06
HEXACHLOROBUTADIENE	87-68-3	[0.0002] [H] 0.001 P	0.078 I	[0.0002] [Hr] J	[0.077] 0.000022 I	4,700		2.89	4,5,6,7			X	215	0.69
HEXACHLOROCYCLOPENTADIENE	77-47-4	0.006 I		[0.00006] [H] 0.0002 I		7,200		1.8	5,6,7			X	239	4.50
HEXACHLOROETHANE	67-72-1	0.001 I	0.014 I	[0.001] [Ir]	[0.014] 0.000004 I	2,200	X	50	1	13,000	15,000		187	0.69
HEXANE	110-54-3	0.06 H		[0.0571] 0.7 I		3,600	X	9.5	1,5,6	13,100	15,000	X	69	
HEXAZINONE	51235-04-2	0.033 I				41		330,000	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	[17] 0.0049 I	0.0053	X	1,000,000	2	13,000	15,000	X	[113.5] 114	18.07
HYDROQUINONE	123-31-9	0.04 [H] P	0.056 P	[0.04] [Hr] J		10		70,000	2,3,5				285	18.07
INDENO[1,2,3-CD]PYRENE	193-39-5		0.73 N		[0.31] [T] 0.00011 C	31,000,000		0.062	5				536	0.17
IPRODIONE	36734-19-7	0.04 I				1,100		13	2				545	
ISOBUTYL ALCOHOL	78-83-1	0.3 I		[0.3] [Ir]		60	X	81,000	1,2,3,4,5	13,000	14,900	X	108	17.57
ISOPHORONE	78-59-1	0.2 I	0.00095 I	[0.2] ≥ [Ir] C	[0.00095] [Ir]	31		12,000	2,4,5			X	215	4.50
ISOPROPYL METHYLPHOSPHONATE	1832-54-8	0.1 I				1.64		50,000	13			X	230	
KEPONE	143-50-0	0.0005 D	16 C		[16.1] 0.0046 C	55,000		7.6	4				350	0.17
MALATHION	121-75-5	0.02 I		[0.02] [Ir]		1,300	[X]	143	4	[14,000]	[16,300]	X	[157] 351	2.46
MALEIC HYDRAZIDE	123-33-1	0.5 I		[0.5] [Ir]		2.8		6,000	4				260	

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MANEB	12427-38-2	0.005 I				1		23	9,13				<u>351</u>	
MERPPOS OXIDE	78-48-8	0.00003 I				53,000	[X]	2.3	8,10,12	[13,100]	[15,100]	X	[150] <u>392</u>	
METHACRYLONITRILE	126-98-7	0.0001 I		[0.0002] 0.0007 H		21	X	25,700	1	13,100	15,100	X	90	
METHAMIDOPHOS	10265-92-6	0.00005 I				5		2,000,000	5				<u>223</u>	
METHANOL	67-56-1	0.5 I		[0.5] <u>4</u> [Ir] C		2.8	X	1,000,000	2	13,100	15,100	X	65	36.14
METHOMYL	16752-77-5	0.025 I		[0.025] [Ir]		20		58,000	2				[144] <u>228</u>	
METHOXYCHLOR	72-43-5	0.005 I		[0.005] [Ir]		63,000		0.045	4,5,6				346	0.69
METHOXYETHANOL, 2-	109-86-4	[0.001] [H] 0.003 P		[0.00571] 0.02 I			X	1,000,000	2	13,100	15,000	X	[124.3] <u>124</u>	4.50
METHYL ACETATE	79-20-9	1 H				30	X	243,500	4,5,6	13,100	15,100	X	[56.9] <u>57</u>	
METHYL ACRYLATE	96-33-3	0.03 H				55	X	52,000	1,2,5	13,100	15,100	X	70	18.07
METHYL CHLORIDE	74-87-3	0.004 M	0.013 H	[0.029] [D] 0.09 I	[0.0063] 0.000018 H	6	X	6,180	1,2,3,4	13,200	15,000	X	-24	4.50
METHYL ETHYL KETONE	78-93-3	0.6 I		[0.286] <u>5</u> I		32	X	275,000	1,2,3,4,5	13,100	15,100	X	80	2.57
METHYL ISOBUTYL KETONE	108-10-1	0.08 H		[0.023] <u>3</u> [H] I		17	X	19,550	1,2,4,5	13,100	15,100	X	117	18.07
METHYL ISOCYANATE	624-83-9			<u>0.001</u> C		<u>10</u>	X	100,000	<u>7</u>	13,000	15,000	X	<u>40</u>	
METHYL N-BUTYL KETONE (2-HEXANONE)	591-78-6	<u>0.04</u> N		<u>0.005</u> N		<u>54</u>	X	17,500	<u>1</u>	13,100	15,100	X	<u>128</u>	
METHYL METHACRYLATE	80-62-6	1.4 I		[0.2] <u>0.7</u> I		10	X	15,600	1	13,100	15,100	X	100	4.50
METHYL METHANESULFONATE	66-27-3		0.099 C		[0.098] 0.000028 C	5.2		200,000	2			X	203	
METHYL PARATHION	298-00-0	0.00025 I		[0.00025] [Ir]		790	[X]	25	4,5,6	[13,500]	[15,600]	[X]	[133] <u>348</u>	3.61
METHYL STYRENE (MIXED ISOMERS)	25013-15-4	0.006 H		[0.011] 0.04 H		2,200	X	89	9	13,100	15,000	X	<u>163</u>	
METHYL TERT-BUTYL ETHER (MTBE)	1634-04-4	[0.857] [Ir]	0.0018 C	[0.857] <u>3</u> I	[0.0018] 0.0000002 C 6	12	X	45,000	1,2,4,6	13,100	15,100	X	55	0.69
METHYLCHLOROPHOXYACETIC ACID (MCPA)	94-74-6	0.0005 I				112		1,000	5,6,8,9				287	1.39
METHYLENE BIS(2-CHLOROANILINE), 4,4'-	101-14-4	[0.0007] [H] 0.002 P	[0.13] <u>0.1</u> [H] P	[0.0007] [H] I	[0.13] [H] 0.00043 C	3,000		13.9	10				<u>379</u>	

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METHYLNAPHTHALENE, 2-	91-57-6	[0.02] [S] 0.004 I		[0.00086] [Ir] 0.003 S		16,000		25	1			[X]	241	
METHYLSTYRENE, ALPHA	98-83-9	0.07 H				660	X	560	9	13,100	15,100	X	[165.4] 165	
METOLACHLOR	51218-45-2	0.15 I				182	X	530	1.5	13,000	15,000	X	100	
METRIBUZIN	21087-64-9	0.025 I				95		1,200	1.5				367	
MONOCHLOROACETIC ACID	79-11-8	0.01 M				0.24	X	858,000	17	13,000	14,900		189	
NAPHTHALENE	91-20-3	0.02 I		[0.00086] I 0.003		950		30	3				218	0.98
NAPHTHYLAMINE, 1-	134-32-7		1.8 S		[1.8] 0.00051 S	3,200		1,690	2				301	0.69
NAPHTHYLAMINE, 2-	91-59-8		1.8 C		[1.8] 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	[0.00005 71] [S] 0.0003 P	0.021 P	[0.000057 [S] 1] 0.001 P		18		100	3				306	
NITROANILINE, O-	88-74-4	[0.00005 [Hr 71] 0.003] P		[0.000057 [H] 1] 0.0001 P		27		1,200	6				284	
NITROANILINE, P-	100-01-6	[0.00005 [S] 71] 0.004 P	0.02 P	[0.000057 [S] 1] 0.006 P		15		800	2				332	
NITROBENZENE	98-95-3	[0.0005] 0.002 I		[0.0006] [H] 0.009 I	0.00004 I	130		2,000	2			X	211	0.64
NITROGUANIDINE	556-88-7	0.1 I				0.13		4,400	9				231	
NITROPHENOL, 2-	88-75-5	0.008 S		[0.008] [S]		37		2,100	1,2,3,4,5,6				215	9.01
NITROPHENOL, 4-	100-02-7	0.008 N		[0.008] [Nr] J		230		16,000	2				279	25.81
NITROPROPANE, 2-	79-46-9	[0.00571] [Ir]	[9.4] [Hr] J	[0.00571] 0.02 I	[9.4] 0.0027 H	20	X	16,700	1,3,4,5	13,000	14,900	X	120	0.69
NITROSODIETHYLAMINE, N-	55-18-5		150 I		[151] 0.043 I	26	X	93,000	10	13,000	14,900	X	176	0.69
NITROSODIMETHYLAMINE, N-	62-75-9	0.000008 P	51 I		[49] 0.014 I	8.5	X	1,000,000	2	13,000	14,900	X	154	0.69
NITROSO-DI-N-BUTYLAMINE, N-	924-16-3		5.4 I		[5.6] 0.016 I	450		1,200	0,13			X	235	0.69
NITROSODI-N-PROPYLAMINE, N-	621-64-7	[0.095] [D]	7 I	[0.095] [Dr] J	[7] 0.002 C	11		9,900	6			X	206	0.69

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NITROSODIPHENYLAMINE, N-	86-30-6	<u>0.02</u> P	0.0049 I		<u>[0.0091]</u> <u>0.0000026</u> C	580		35	1				269	3.72
NITROSO-N-ETHYLUREA, N-	759-73-9		[140] 27 [H] C		<u>[27]</u> <u>0.0077</u> C	2		13,000	9				[125] 223	1,734.48
OCTYL PHTHALATE, DI-N-	117-84-0	<u>[0.02]</u> [H] <u>0.04</u> P		<u>[0.02]</u> [H] J		980,000,000		3	5			X	234	0.69
OXAMYL (VYDATE)	23135-22-0	0.025 I		<u>[0.025]</u> [Ir]		7.1		280,000	2				[101] 334	
PARAQUAT	1910-42-5	<u>0.0045</u> I				<u>16,200</u>		<u>660,000</u>	<u>6.8</u>				<u>352</u>	
PARATHION	56-38-2	0.006 H		<u>[0.006]</u> [H] J		2,300		20	2,4,5,6,7			X	375	
PCB-1016 (AROCLOR)	12674-11-2	0.00007 I	<u>[0.09]</u> <u>0.07</u> [N] I	<u>[0.00007]</u> [Ir]	<u>[0.09]</u> [Nr] <u>0.00002</u> I	110,000		0.25	5			X	[340] 325	
PCB-1221 (AROCLOR)	11104-28-2		<u>[0.5]</u> 2 [S] I		b [S] I	1,900		0.59	5			X	[340] 275	
PCB-1232 (AROCLOR)	11141-16-5		<u>[0.5]</u> 2 [S] I		<u>[0.5]</u> [S] <u>0.00057</u> I	1,500		1.45	7			X	[340] 290	
PCB-1242 (AROCLOR)	53469-21-9		<u>[0.5]</u> 2 [N] I		<u>[0.5]</u> [Nr] <u>0.00057</u> I	48,000		0.1	5			X	[340] 325	
PCB-1248 (AROCLOR)	12672-29-6		<u>[1.8]</u> 2 [S] I		<u>[1.8]</u> [S] <u>0.00057</u> I	190,000		0.054	7,9,11			X	340	
PCB-1254 (AROCLOR)	11097-69-1	0.00002 I	<u>[1.8]</u> 2 [N] I	<u>[0.00002]</u> [Ir]	<u>[1.8]</u> [Nr] <u>0.00057</u> I	810,000		0.057	5			X	[340] 365	
PCB-1260 (AROCLOR)	11096-82-5		<u>[0.6]</u> 2 [N] I		<u>[0.6]</u> [Nr] <u>0.00057</u> I	1,800,000		0.08	5				385	
PEBULATE	1114-71-2	0.05 H				630	[X]	92	5	<u>[13,000]</u>	<u>[14,900]</u>	X	[142] 303	
PENTACHLOROBENZENE	608-93-5	0.0008 I		<u>[0.0008]</u> [Ir]		32,000		0.74	1,5,6,7				277	0.37
PENTACHLOROETHANE	76-01-7		0.09 P			1,905	X	480	1.3	13,100	15,100	X	160	
PENTACHLORONITROBENZENE	82-68-8	0.003 I	0.26 H	<u>[0.003]</u> [Ir]	<u>[0.26]</u> [H] J	7,900		0.44	4,6,8				328	0.36
PENTACHLOROPHENOL	87-86-5	0.03 I	0.12 I	<u>[0.03]</u> [Ir]	<u>[0.12]</u> [Ir] <u>0.0000046</u> C	20,000		14	1,2,4,5				310	0.17

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PHENACETIN	62-44-2		0.0022 C		[0.0022] 0.0000006 3 C	110		763	2,3,9				[200] 341	4.50
PHENANTHRENE	85-01-8	0.3 S		[0.3] [Sr]		38,000		1.1	1,4,5				341	0.63
PHENOL	108-95-2	[0.6] 0.3 I		[0.6] 0.2 [Ir] C		22	X	84,300	1,2,3,4	13,000	14,900	[X]	182	36.14
PHENYL MERCAPTAN	108-98-5	0.00001 H				562	X	653	5.9	13,000	15,000	X	170	
PHENYLENEDIAMINE, M-	108-45-2	0.006 I		[0.006] [Ir]		12		351,000	3				286	4.50
PHENYLPHENOL, 2-	90-43-7		[0.00194] 0.0019 H			5,700		700	5				280	18.07
PHORATE	298-02-2	0.0002 H		[0.0002] [Hr]		810	[X]	50	2	[13,100]	[15,100]	X	[118] 319	
PTHALIC ANHYDRIDE	85-44-9	2 I		[0.0343] [H] 0.02 C		79		6,170	2				285	13,490.40
PICLORAM	1918-02-1	0.07 I				15		430	2				373	
POLYCHLORINATED BIPHENYLS (AROCLOS) (PCBS)	1336-36-3		2 I		[2] 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		[0.075] [Ir]		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	1,000,000	2	13,000	14,900	X	82	
PROPAZINE	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	13,100	15,100	X	[159.2] 159	
PROPYLENE OXIDE	75-56-9	[0.00857] [Ir]	0.24 I	[0.00857] 0.03 I	[0.013] 0.0000037 I	25	X	405,000	1	13,100	15,000	X	34	
PYRENE	129-00-0	0.03 I		[0.03] [Ir]		68,000		0.132	1				393	0.07
PYRIDINE	110-86-1	0.001 I		[0.001] [Ir]		0.0066	X	1,000,000	2	13,100	15,000	X	115	18.07
QUINOLINE	91-22-5			[12] 3 [H] I		1,300		60,000	1,3,5		[14,900]	X	[237.7] 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	

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RESORCINOL	108-46-3	2 TE				2		717,000					280	
RONNEL	299-84-3	0.05 H				580		40	2				[151] 349	
SIMAZINE	122-34-9	0.005 I	0.12 H	[0.005] [Ir]	[0.12] [Hr]	110		5	5				225	
STRYCHNINE	57-24-9	0.0003 I		[0.0003] [Ir]		280		143	5				270	4.50
STYRENE	100-42-5	0.2 I		[0.286] 1 I		910	X	300	5	13,100	15,100	X	145	1.20
TEBUTHIURON	34014-18-1	0.07 I				620		2,500	2				394	
TERBACIL	5902-51-2	0.013 I				53		710	2				396	
TERBUFOS	13071-79-9	0.000025 H		[0.000025] [Hr]		510	[X]	5	6	[13,000]	[15,000]	X	[69] 332	
TETRACHLOROBENZENE, 1,2,4,5-	95-94-3	0.0003 I		[0.0003] [Ir]		1,800		0.583	1,5,6,7				245	0.69
TETRACHLORODIBENZO-P-DIOXIN, 2,3,7,8-(TCDD)	1746-01-6	0.00000001 D	[150000] [H] 130000 C	0.0000000 4 C	[150000] [H] 38 C	4,300,000		0.0000193	6				412	0.21
TETRACHLOROETHANE, 1,1,1,2-	630-20-6	0.03 I	0.026 I	[0.03] [Ir]	[0.0259] 0.0000074 I	980	X	1100	1	13,000	14,600	X	[130.5] 131	3.79
TETRACHLOROETHANE, 1,1,2,2-	79-34-5	[0.06] [N] 0.004 P	0.2 I	[0.06] [Nr]	[0.203] 0.000058 I	79	X	2,860	2	13,100	15,100	X	147	0.56
TETRACHLOROETHYLENE (PCE)	127-18-4	0.01 I	0.052 N	[0.14] 0.5 N	[0.00203] 0.0000005 N 8	300	X	162	1,2,3,4,5	13,100	15,000	X	121	0.03
TETRACHLOROPHENOL, 2,3,4,6-	58-90-2	0.03 I		[0.03] [Ir]		6,200		183	6				[150] 288	0.69
TETRAETHYL LEAD	78-00-2	0.0000001 I		[0.0000001] [Ir]		4,900		0.8	5			X	[200] 202	4.50
TETRAETHYLDITHIOPYROPHOSPHATE	3689-24-5	0.0005 I		[0.0005] [Ir]		550	[X]	25	2	[13,000]	[14,900]	X	[136] 349	
TETRAHYDROFURAN	109-99-9	0.2 N	0.0076 N	0.3 N	0.0000019 N 4	43	X	300,000	1.6.7	13,100	15,100	X	66	
THIOFANOX	39196-18-4	0.0003 H				0.022		5,200	9				280	
THIRAM	137-26-8	0.005 I		[0.005] [Ir]		1,000		30	4				[200] 339	
TOLUENE	108-88-3	[0.2] 0.08 I		[0.114] 5 I		130	X	532.4	1,2,3,4	13,100	15,000	X	111	9.01
TOLUIDINE, M-	108-44-1		[0.24] 0.18 S		[0.24] [Sr] 0.000051 S	140		15,030	6			X	203	
TOLUIDINE, O-	95-53-4		[0.24] 0.18 [H] C		[0.24] [Hr] 0.000051 C	410		15,000	1,3,5			X	200	18.07
TOLUIDINE, P-	106-49-0		0.19 H		[0.19] [Hr]	320		7410	1,2,3				200	

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[r = route-to-route extrapolation]
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APPENDIX A
TABLE 5 – PHYSICAL AND TOXICOLOGICAL PROPERTIES
A. ORGANIC REGULATED SUBSTANCES

Regulated Substance	CAS	RfDo (mg/kg-d)	CSFo (mg/kg-d) ⁻¹	[RfDi (mg/kg-d)] RfC (mg/m ³)	[CSFi (mg/kg-d)-1] IUR (µg/m ³) ⁻¹	Koc	VOC?	Aqueous Sol (mg/L)	Aqueous Sol Reference ¹	TF Vol from Surface Soil	TF Vol from SubSurface Soil	Organic Liquid	Boiling Point (degrees C)	Degradation Coefficient (K)(yr ⁻¹)
TOXAPHENE	8001-35-2	[0.001] [D]	1.1 I	[0.001] [Dr]	[1.12] 0.00032 I	1,500		3	2,4,5				432	
TRIALATE	2303-17-5	0.013 I				2,000		4	5			X	[117] 343	
TRIBROMOMETHANE (BROMOFORM)	75-25-2	0.02 I	0.0079 I	[0.02] [Ir]	[0.00385] 0.0000011 I	130	X	3,050	1,2,3,4	13,100	15,100	X	149	0.69
TRICHLORO-1,2,2-TRIFLUOROETHANE, 1,1,2-	76-13-1	30 I		[8.57] 30 H		1,200	X	170	1	13,100	15,000	X	[47.7] 48	0.35
TRICHLOROBENZENE, 1,2,4-	120-82-1	0.01 I	0.0036 C	[0.0571] [H] 0.004 P		1,500		44.4	1,4,6,7			X	213	0.69
TRICHLOROBENZENE, 1,3,5-	108-70-3	0.006 M		[0.0571] S 0.004		3,100		5.8	5				208	
TRICHLOROETHANE, 1,1,1-	71-55-6	[0.28] 2 [N] I		[0.63] 5 [N] I		100	X	1,495	1,4,5,6	13,100	15,000	X	74	0.05
TRICHLOROETHANE, 1,1,2-	79-00-5	0.004 I	0.057 I	[0.004] [Ir]	[0.056] 0.000016 I	76	X	4,420	1	13,100	15,100	X	114	0.03
TRICHLOROETHYLENE (TCE)	79-01-6	0.006 N	0.011 N	[0.143] 0.5 D	[0.00595] 0.0000017 N	93	X	1,100	1	13,100	15,000	X	87	0.02
TRICHLOROPHENOL, 2,4,5-	95-95-4	0.1 I		[0.1] [Ir]		2,400		1,000	1,2,4				246	0.14
TRICHLOROPHENOL, 2,4,6-	88-06-2	[0.0003] [M] 0.001 P	0.011 I	[0.0003] [Mr] I	[0.01085] 0.0000031 I	1,100		850	1,2,4,5				246	0.14
TRICHLOROPHENOXYACETIC ACID, 2,4,5- (2,4,5-T)	93-76-5	0.01 I		[0.01] [Ir]		43		278	2,4,5				279	1.39
TRICHLOROPHENOXYPROPIONIC ACID, 2,4,5- (2,4,5-TP)(SILVEX)	93-72-1	0.008 I		[0.008] [Ir]		1,700		140	2				[200] 353	
TRICHLOROPROPANE, 1,1,2-	598-77-6	0.005 I				24	X	2,700	14	13,100	15,000	X	117	
TRICHLOROPROPANE, 1,2,3-	96-18-4	0.006 I	7 H	[0.0014] 0.005 N	[7] [Hr] I	280	X	1,896	1,4,6	13,100	15,100	X	157	0.35
TRICHLOROPROPENE, 1,2,3-	96-19-5	[0.005] [H] 0.01 P		0.001 P		190	X	2,700	14	13,100	15,000	X	142	
TRIETHYLAMINE	121-44-8			0.007 I		51	X	55,000	1,4	13,100	15,100	X	90	
TRIFLURALIN	1582-09-8	0.0075 I	0.0077 I	[0.0075] [Ir]	[0.0077] [Ir]	720		4	2,5,6,7				[139] 382	
TRIMETHYLBENZENE, 1,3,4- (TRIMETHYLBENZENE, 1,2,4-)	95-63-6	0.05 [N] P		[0.0017] [N] 0.007 P		2,200	X	56	1	13,100	15,000	X	169	4.50
TRIMETHYLBENZENE, 1,3,5-	108-67-8	0.05 N		[0.0017] [N] 0.006 P		660	X	48.9	1	13,100	15,100	X	[164.7] 165	
TRINITROGLYCEROL (NITROGLYCERIN)	55-63-0	0.0001 P	0.017 N				X	1,800	2,3,5	13,000	15,000	X	190	18.07
TRINITROTOLUENE, 2,4,6-	118-96-7	0.0005 I	0.03 I			1		100	2				240	

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APPENDIX A
TABLE 5 – PHYSICAL AND TOXICOLOGICAL PROPERTIES
A. ORGANIC REGULATED SUBSTANCES

Regulated Substance	CAS	RfDo (mg/kg-d)	CSFo (mg/kg-d) ⁻¹	[RfDi (mg/kg-d)] RfC (mg/m ³)	[CSFi (mg/kg-d)-1] IUR (µg/m ³) ⁻¹	Koc	VOC?	Aqueous Sol (mg/L)	Aqueous Sol Reference ¹	TF Vol from Surface Soil	TF Vol from SubSurface Soil	Organic Liquid	Boiling Point (degrees C)	Degradation Coefficient (K)(yr ⁻¹)
VINYL ACETATE	108-05-4	1 <u>[I]</u> <u>H</u>		[0.0571] 0.2		2.8	X	20,000	1	13,200	15,000	X	73	
VINYL BROMIDE (BROMOETHENE)	593-60-2	[0.00085 7] <u>[Ir]</u>	[0.11] <u>[Hr]</u> <u>J</u>	[0.000857] 0.003	[0.11] 0.000032 <u>H</u>	150	<u>X</u>	4,180	12	<u>13.100</u>	<u>15.000</u>	<u>X</u>	[15.8] <u>16</u>	0.09
VINYL CHLORIDE	75-01-4	0.003	[1.5] <u>0.72</u>	[0.029] <u>0.1</u>	[0.03] 0.0000044	10	X	2,700	1	13,200	15,000	X	-13	0.09
WARFARIN	81-81-2	0.0003		[0.0003] <u>[Ir]</u>		910		17	4				356	4.50
XYLENES (TOTAL)	1330-20-7	[2] <u>0.2</u>		[0.12] <u>0.1</u> <u>[D]</u> <u>I</u>		350	X	175	13	13,100	15,000	X	140	0.69
ZINEB	12122-67-7	0.05				19		10	4				<u>474</u>	

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APPENDIX A

Table 5 – Physical and Toxicological Properties

B. Inorganic Regulated Substances

Regulated Substance	CAS	RfDo (mg/kg-d)	CSFo (mg/kg-d) ⁻¹	[RfDi (mg/kg-d)] RfC (mg/m ³) ⁻¹	[CSFi (mg/kg-d) ⁻¹] IUR (µg/m ³) ⁻¹	Kd
ALUMINUM	7429-90-5	1 [N] P		[0.001] [N] 0.005 P		9.9
ANTIMONY	7440-36-0	0.0004 I		[0.0004] [Ir]		45
ARSENIC	7440-38-2	0.0003 I	1.5 I	[0.0003] [Ir] 0.000015 C	[15] 0.0043 I	29
BARIUM AND COMPOUNDS	7440-39-3	[0.07] 0.2 I		[0.0001] 0.0005 H		41
BERYLLIUM	7440-41-7	0.002 I		[0.00000571] 0.00002 [Ir] I	[8.4] 0.0024 I	790
BORON AND COMPOUNDS	7440-42-8	[0.09] 0.2 I		[0.0057] 0.02 H		3
CADMIUM	7440-43-9	0.0005 I	[0.38] [C]	[0.0005] [Ir] 0.00001 D	[6.3] 0.0018 I	75
CHROMIUM III	16065-83-1	1.5 I				1,800,000
CHROMIUM VI	18540-29-9	0.003 I		[0.00003] 0.000008 I	[42] 0.084 I	19
COBALT	7440-48-4	[0.02] 0.0003 [N] P		[0.0000057] [D] 0.000006 P	0.009 P	45
COPPER	7440-50-8	[0.0371] 0.037 H				[360] 430
CYANIDE, FREE	57-12-5	0.02 I		[0.02] [Ir]		9.9
FLUORIDE	16984-48-8	0.04 C		0.013 C		
IRON	7439-89-6	[0.3] 0.7 [N] P		[0.3] [Nr]		25
LEAD	7439-92-1		0.0085 C		[0.042] 0.000012 C	[890] 900
LITHIUM	7439-93-2	0.002 P				300
MANGANESE	7439-96-5	[0.14] 0.047 I		[0.0000143] 0.00005 I		65
MERCURY	7439-97-6	[0.0003] [M] 0.00016 C		[0.000086] 0.0003 I		52
MOLYBDENUM	7439-98-7	0.005 I				20
NICKEL	7440-02-0	0.02 I		[0.000057] 0.00009 D	[0.84] 0.00024 Is	65
NITRATE NITROGEN	14797-55-8	1.6 I				
NITRITE NITROGEN	14797-65-0	0.1 I				
PERCHLORATE	7790-98-9	0.0007 I				0
SELENIUM	7782-49-2	0.005 I		[0.005] 0.02 [Ir] C		5
SILVER	7440-22-4	0.005 I		[0.005] [Ir]		8.3
THALLIUM	7440-28-0	0.00007 I		[0.00007] [Ir]		71
TIN	7440-31-5	0.6 H		[0.6] [Hr]		250
VANADIUM	7440-62-2	0.007 H		[0.000057] [D]		1,000
ZINC	7440-66-6	0.3 I		[0.3] [Ir]		62

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[r = route-to-route extrapolation]

s = surrogate

APPENDIX A

Table 6 - Threshold of Regulation Compounds

REGULATED SUBSTANCE	CASRN	ALL AQUIFER GROUNDWATER MSC (µg/L)	Residential Soil MSC (mg/kg) 0-15 feet	Non-Residential Soil MSCs		Soil to Groundwater (mg/kg)
				Surface Soil (mg/kg) 0-2 feet	Subsurface Soil (mg/kg) 2-15 feet	
ACETIC ACID	64-19-7	5	100	100	100	0.5
ACETIC ANHYDRIDE	108-24-7	5	100	100	100	0.5
AMYL ACETATE, N-	628-63-7	5	100	100	100	0.5
AMYL ACETATE, SEC-	626-38-0	5	100	100	100	0.5
ANTU (ALPHA-NAPHTHYLTHIOUREA)	86-88-4	5	100	100	100	0.5
AZINPHOS-METHYL (GUTHION)	86-50-0	5	100	100	100	0.5
[BETA PROPIOLACTONE]	[57-57-8]	[5]	[100]	[100]	[100]	[0.5]
BHC, DELTA	319-86-8	5	100	100	100	0.5
BIS(2-CHLOROETHOXY)METHANE	111-91-1	5	100	100	100	0.5
BROMOPHENYL PHENYL ETHER, 4-	101-55-3	5	100	100	100	0.5
BUTYL ACETATE, N-	123-86-4	5	100	100	100	0.5
BUTYL ACETATE, SEC-	105-46-4	5	100	100	100	0.5
BUTYL ACETATE, TERT-	540-88-5	5	100	100	100	0.5
BUTYLAMINE, N-	109-73-9	5	100	100	100	0.5
CALCIUM CHROMATE	13765-19-0	5	100	100	100	0.5
CALCIUM CYANAMIDE	156-62-7	5	100	100	100	0.5
CARBONYL FLUORIDE	353-50-4	5	100	100	100	0.5
CATECHOL	120-80-9	5	100	100	100	0.5
CHLOROACETALDEHYDE	107-20-0	5	100	100	100	0.5
CHLOROETHYL VINYL ETHER, 2-	110-75-8	5	100	100	100	0.5
CHLOROPHENYL PHENYL ETHER, 4-	7005-72-3	5	100	100	100	0.5
[CYCLOHEXANE]	[10-82-7]	[5]	[100]	[100]	[100]	[0.5]
DECABORANE	17702-41-9	5	100	100	100	0.5
[DIBENZOFURAN]	[132-64-9]	[5]	[100]	[100]	[100]	[0.5]
[DICHLORO-2-BUTENE, TRANS-1,3-]	[110-57-6]	[5]	[100]	[100]	[100]	[0.5]
DIETHANOLAMINE	111-42-2	5	100	100	100	0.5
DIETHYLAMINE	109-89-7	5	100	100	100	0.5
DIGLYCIDYL ETHER (DGE)	7/5/2238	5	100	100	100	0.5
DIMETHYL PHTHALATE	131-11-3	5	100	100	100	0.5
DIMETHYL SULFATE	77-78-1	5	100	100	100	0.5
DIMETHYLPHENETHYLAMINE, ALPHA, ALPHA-	122-09-8	5	100	100	100	0.5
[DINITRO-O-CRESOL, 4,6-]	[534-52-1]	[5]	[100]	[100]	[100]	[0.5]
DIOXATHION	78-34-2	5	100	100	100	0.5
ETHYL METHANESULFONATE	62-50-0	5	100	100	100	0.5
ETHYLAMINE	75-04-7	5	100	100	100	0.5
ETHYLENE CHLORHYDRIN	107-07-3	5	100	100	100	0.5
FAMPHUR	52-85-7	5	100	100	100	0.5
FENSULFOTHION	115-90-2	5	100	100	100	0.5
HEXACHLOROPROPENE	1888-71-7	5	100	100	100	0.5
[HEXANONE, 2- (METHYL N-BUTYL KETONE)]	[591-78-6]	[5]	[100]	[100]	[100]	[0.5]
IODOMETHANE	74-88-4	5	100	100	100	0.5
ISOAMYL ACETATE	123-92-2	5	100	100	100	0.5
ISOBUTYL ACETATE	110-19-0	5	100	100	100	0.5
ISODRIN	465-73-6	5	100	100	100	0.5

¹ The value in the table is 100 times the groundwater MSC.
The option to use the SPLP is also available to calculate the soil to groundwater numeric value
(See Section 250.310)

APPENDIX A

Table 6 - Threshold of Regulation Compounds

REGULATED SUBSTANCE	CASRN	ALL AQUIFER GROUNDWATER MSC (µg/L)	Residential Soil MSC (mg/kg) 0-15 feet	Non-Residential Soil MSCs		Soil to Groundwater (mg/kg)
				Surface Soil (mg/kg) 0-2 feet	Subsurface Soil (mg/kg) 2-15 feet	
ISOPHORONE DIISOCYANATE	4098-71-9	5	100	100	100	0.5
ISOSAFROLE	120-58-1	5	100	100	100	0.5
[LITHIUM]	7439-93-2	[5]	[100]	[100]	[100]	[0.5]
LITHIUM HYDRIDE	7580-67-8	5	100	100	100	0.5
MANGANESE CYCLOPENTADIENYL TRICARBONYL	12079-65-1	5	100	100	100	0.5
METHYL HYDRAZINE	60-34-4	5	100	100	100	0.5
METHYL ISOAMYL KETONE	110-12-3	5	100	100	100	0.5
METHYL ISOCYANATE	624-83-9	5	100	100	100	0.5
METHYL MERCAPTAN	74-93-1	5	100	100	100	0.5
METHYLAMINE	74-89-5	5	100	100	100	0.5
[METHYLCHLOROPHENOXYACETIC ACID (MCPA)]	[94-74-9]	[5]	[100]	[100]	[100]	[0.5]
MEVINPHOS	7786-34-7	5	100	100	100	0.5
MONOCROTOPHOS	6923-22-4	5	100	100	100	0.5
NAPHTHOQUINONE, 1,4-	130-15-4	5	100	100	100	0.5
NITRIC ACID	7697-37-2	5	100	100	100	0.5
NITROQUINOLINE-1-OXIDE, 4-	56-57-5	5	100	100	100	0.5
OSMIUM TETROXIDE	20816-12-0	5	100	100	100	0.5
PENTABORANE	19624-22-7	5	100	100	100	0.5
PENTACHLOROETHANE	76-01-7	5	100	100	100	0.5
PERCHLOROMETHYL MERCAPTAN	594-42-3	5	100	100	100	0.5
[PHENYL MERCAPTAN]	[108-98-5]	[5]	[100]	[100]	[100]	[0.5]
PICOLINE, 2-	109-06-8	5	100	100	100	0.5
PROPANOL, 1-	71-23-8	5	100	100	100	0.5
PROPANOL, 2- (ISOPROPYL ALCOHOL)	67-63-0	5	100	100	100	0.5
PROPIONIC ACID	79-09-4	5	100	100	100	0.5
PROPIONITRILE (ETHYL CYANIDE)	107-12-0	5	100	100	100	0.5
PROPYLENE IMINE	75-55-8	5	100	100	100	0.5
PYRETHRUM	8003-34-7	5	100	100	100	0.5
QUINONE (p-BENZOQUINONE)	106-51-4	5	100	100	100	0.5
[RESORCINOL]	[108-46-3]	[5]	[100]	[100]	[100]	[0.5]
SELENIUM HEXAFLUORIDE	7783-79-1	5	100	100	100	0.5
SODIUM BISULFITE	7631-90-5	5	100	100	100	0.5
SULFIDE	18496-25-8	5	100	100	100	0.5
SULFUR MONOCHLORIDE	10025-67-9	5	100	100	100	0.5
SULFURIC ACID	7664-93-9	5	100	100	100	0.5
TELLURIUM	13494-80-9	5	100	100	100	0.5
TELLURIUM HEXAFLUORIDE	7783-80-4	5	100	100	100	0.5
TEPP (TETRAETHYL PYROPHOSPHATE)	107-49-3	5	100	100	100	0.5
[TETRAHYDROFURAN]	[109-99-9]	[5]	[100]	[100]	[100]	[0.5]
TETRANITROMETHANE	509-14-8	5	100	100	100	0.5
THIONAZIN	297-97-2	5	100	100	100	0.5
[TRIETHYLAMINE]	[121-44-8]	[5]	[100]	[100]	[100]	[0.5]
TRIETHYLPHOSPHOROTHIOATE, O,O,O-	126-68-1	5	100	100	100	0.5
[TRINITROGLYCEROL (NITROGLYCERIN)]	[55-63-0]	[5]	[100]	[100]	[100]	[0.5]

¹ The value in the table is 100 times the groundwater MSC.
The option to use the SPLP is also available to calculate the soil to groundwater numeric value
(See Section 250.310)

APPENDIX A
Table 6 - Threshold of Regulation Compounds

¹ The value in the table is 100 times the groundwater MSC.
The option to use the SPLP is also available to calculate the soil to groundwater numeric value
(See Section 250.310)

APPENDIX A

Table 7

DEFAULT VALUES FOR CALCULATING MEDIUM-SPECIFIC CONCENTRATIONS FOR LEAD

Input Values Used in UBK Model for Lead (for residential exposure scenario)			
Geometric Standard Deviation (GSD)	1.42 (default)	Drinking water intake	Model default
Outdoor air lead concentration	0.2 µg/m ³ (default)	Soil lead level	495 µg/g
Indoor air lead concentration (% of outdoor)	30	Indoor dust lead level	495 µg/g
Time spent outdoors	Model default	Soil/dust ingestion weighting factor (%)	45
Ventilation rate	Model default	Paint lead intake	Model default
Lung absorption	Model default	Maternal contribution method	Infant model
Dietary lead intake	Model default	Mother's blood lead at birth	7.5 µg/dL blood (model default)
GI method/bioavailability	Non-linear	Target blood lead level	10 µg/dL blood
Lead concentration in drinking water	4.00 µg/L (default)		

Input Values Used in SEGH Equation (for nonresidential exposure scenario)	
Concentration of lead in soil (S)	987 µg/g
Target blood lead level in adults (T)	20 µg/dL blood
Geometric standard deviation of blood lead distribution (G)	1.4
Baseline blood lead level in target population (B)	4 µg/dL blood
Number of standard deviations corresponding to degree of protection required for the target population (n)	1.645 (for 95% of population)
Slope of blood lead to soil lead relationship (δ)	7.5 µg/dL blood per µg/g soil

REFERENCE

WIXSON, B.G. (1991). The Society for Environmental Geochemistry and Health (SEGH) Task Force Approach to the Assessment of Lead in Soil. Trace Substances in Environmental Health . 11-20.

**TABLE 8
CONSTITUENTS OF POTENTIAL ECOLOGICAL CONCERN**

<i>METALS</i>	<i>ORGANICS cont'd</i>
Arsenic III	Dichlorobenzene,1,2-
Arsenic V	Dichlorobenzene,1,3-
Barium	Dichlorobenzene,1,4-
Beryllium	Dieldrin
Cadmium	Diethyl phthalate
Chromium III	Di-n-butyl phthalate
Chromium VI	Endosulfan (mixed isomers)
Cobalt	Endosulfan, alpha
Copper	Endosulfan, beta
Iron	Endrin
Lead	Ethylbenzene
Manganese	Fluoranthene
Mercury, inorganic	Fluorene
Mercury, methyl	Heptachlor
Molybdenum	Hexachloroethane
Nickel	Hexachlorocyclohexane (Lindane)
Selenium	Kepone *
Vanadium	Malathion
Zinc	Methoxychlor
Cyanide	Mirex *
	Naphthalene
	Pentachlorobenzene
	Pentachlorophenol
	Polynuclear aromatic hydrocarbons
	Polychlorinated biphenyls (PCB)
	Phenanthrene
	Pyrene
	Tetrachloroethane,1,1,2,2-
	Tetrachloroethylene
	Tetrachloromethane
	Toluene
	Toxaphene
	Tribromomethane
	Trichlorobenzene,1,2,4-
	Trichloroethane,1,1,1-
	Trichloroethylene
	Xylenes
<i>ORGANICS</i>	
Acenaphthene	
Aldrin *	
Benzene	
Benzo(a)pyrene	
Biphenyl	
Bis(2-ethylhexyl)phthalate	
Bromophenyl phenyl ether,4-	
Butylbenzyl phthalate	
Chlordane *	
Chlorobenzene	
DDT (and metabolites)	
Diazinon	
Dibenzofuran	
Dichlorobenzene,1,1-	