APPENDIX A

TABLE 3 - MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN SOIL

B. Soil to Groundwater Numeric Values[1]

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	
ACENAPHTHENE	83-32-9	220	2700 E	[350] 380	[4300] 4700 E	[350] 380	[4300] 4700 E	[350] 380	[4300] 4700 E	[350] 380	[4300] 4700 E	[350] 380	[4300] 4700 E	15
ACENAPHTHYLENE	208-96-8	220	2500 E	[390] 610	[4400] 6900 E	[390] 1600	[4400] 18000 E	[390] 1600	[4400] 18000 E	[390] 1600	[4400] 18000 E	[390] 1600	[4400] 18000 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	3.6 E	NA
ACETALDEHYDE	75-07-0	1.9	0.23 E	[5.7] 5.2	[0.69] 0.63 E	190	23 E	[570] 520	[69] 63 E	1.9	0.23 E	[5.7] 5.2	[0.69] 0.63 E	NA
ACETONE	67-64-1	370	41 E	1000	110 E	10,000	4,100 E	10,000	10,000 C	3,700	410 E	10,000	1,100 E	NA
ACETONITRILE	75-05-8	[5.8] 17	[0.65] 1.9 E	[12] 35	[1.3] 3.9 E	[580] 1700	[65] 190 E	[1200] 3500	[130] 390 E	[58] 170	[6.5] 19 E	[120] 350	[13] 39 E	NA
ACETOPHENONE	98-86-2	370	200 E	1000	[550] 540 E	10,000	10,000 C	10,000	10,000 C	370	200 E	1,000	[550] 540 E	NA
ACETYLAMINOFLUORENE, 2- (2AAF)	53-96-3	0.017	0.069 E	0.068	0.28 E	1.7	6.9 E	6.8	28 E	17	69 E	68	280 E	20
ACROLEIN	10-702-8	0.0055	0.00062 E	0.012	0.0014 E	0.55	0.062 E	1.2	0.14 E	0.055	0.0062 E	0.12	0.014 E	NA
ACRYLAMIDE	79-06-1	0.0033	0.00057 E	0.014	0.0024 E	0.33	0.057 E	1.4	0.24 E	0.0033	0.00057 E	0.014	0.0024 E	NA
ACRYLIC ACID	79-10-7	0.28	0.051 E	0.58	0.11 E	28	5.1 E	58	11 E	28	5.1 E	58	11 E	NA
ACRYLONITRILE	107-13-1	0.063	[0.0088] 0.0087 E	0.27	[0.038] 0.037 E	6.3	[0.88] 0.87 E	27	[3.8] 3.7 E	6.3	[0.88] 0.87 E	27	[3.8] 3.7 E	NA
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	0.077 E	NA
ALDICARB	116-06-3	0.7	0.12 E	0.7	0.12 E	70	12 E	70	12 E	700	120 E	700	120 E	NA
ALDRIN	309-00-2	0.00087	0.1 E	0.0037	0.44 E	0.087	10 E	0.37	44 E	0.087	10 E	0.37	44 E	10
ALLYL ALCOHOL	107-18-6	4.9	0.58 E	10	1.2 E	490	58 E	1,000	120 E	490	58 E	1,000	120 E	NA
AMINOBIPHENYL, 4-	92-67-1	0.0031	0.0012 E	0.012	[0.0045] 0.0046 E	0.31	0.12 E	1.2	[0.45] 0.46 E	3.1	1.2 E	12	[4.5] 4.6 E	NA
AMITROLE	61-82-5	0.07	[0.028] 0.029 E	0.28	[0.11] 0.12 E	7	[2.8] 2.9 E	28	[11] 12 E	70	[28] 29 E	280	[110] 120 E	NA
AMMONIA	7664-41-7	3000	360 E	3000	360 E	10,000	10,000 C	10,000	10,000 C	3,000	360 E	3,000	360 E	NA
AMMONIUM SULFAMATE	7773-06-0	200	24 E	200	24 E	20000	2400 E	20000	2400 E	200	24 E	200	24 E	NA
ANILINE	62-53-3	0.28	0.16 E	0.58	0.34 E	28	16 E	58	34 E	0.28	0.16 E	0.58	0.34 E	NA
ANTHRACENE	120-12-7	[4.3] 6.6	[230] 350 E	[4.3] 6.6	[230] 350 E	[4.3] 6.6	[230] 350 E	[4.3] 6.6	[230] 350 E	[4.3] 6.6	[230] 350 E	[4.3] 6.6	[230] 350 E	10
ATRAZINE	1912-24-9	0.3	0.13 E	0.3	0.13 E	30	13 E	30	13 E	0.3	0.13 E	0.3	0.13 E	NA
BAYGON (PROPOXUR)	114-26-1	0.3	0.057 E	0.3	0.057 E	30	5.7 E	30	5.7 E	300	57 E	300	57 E	NA
BENOMYL	17804-35-2	180	880 E	200	970 E	200	970 E	200	970 E	180	880 E	200	970 E	20
BENTAZON	25057-89-0	110	16 E	310	45 E	11,000	1,600 E	31,000	4,500 E	110	16 E	310	45 E	NA
BENZENE	71-43-2	0.5	0.13 E	0.5	0.13 E	50	13 E	50	13 E	50	13 E	50	13 E	NA
BENZIDINE	92-87-5	0.00029	0.38 E	0.0011	1.5 E	0.029	38 E	0.11	150 E	0.29	380 E	1.1	1500 E	5
BENZO[A]ANTHRACENE	56-55-3	0.09	[80]79 E	0.36	320 E	[1.4] 1.1	[1200] 960 E	[1.4] 1.1	[1200] 960 E	[1.4] 1.1	[1200] 960 E	[1.4] 1.1	[1200] 960 E	5
BENZO[A]PYRENE	50-32-8	0.02	46 E	0.02	46 E	0.38	[870] 860 E	0.38	[870] 860 E	0.38	[870] 860 E	0.38	[870] 860 E	5
BENZO[B]FLUORANTHENE	205-99-2	0.09	120 E	0.12	[160] 170 E	0.12	[160] 170 E	0.12	[160] 170 E	0.12	[160] 170 E	0.12	160 E	5
BENZO[GHI]PERYLENE	191-24-2	0.026	180 E	0.026	180 E	0.026	180 E	0.026	180 E	0.026	180 E	0.026	180 E	5
BENZO[K]FLUORANTHENE	207-08-9	0.055	[600] 610 E	0.055	[600] 610 E	0.055	[600] 610 E	0.055	[600] 610 E	0.055	[600] 610 E	0.055	[600] 610 E	5
BENZOIC ACID	65-85-0	15000	2900 E	41000	[7900] 7800 E	190,000	[65000] 52000 E	190,000	[65000] 52000 E	15,000	2,900 E	41,000	[7900] 7800 E	NA
BENZOTRICHLORIDE	98-07-7	0.0051	0.012 E	0.02	0.048 E	0.51	1.2 E	2	4.8 E	5.1	12 E	20	48 E	30
BENZYL ALCOHOL	100-51-6	1100	400 E	3100	1100 E	10,000	10,000 C	10,000	10,000 C	1,100	400 E	3,100	1,100 E	NA
BENZYL CHLORIDE	100-44-7	0.087	0.051 E	0.37	0.22 E	8.7	5.1 E	37	22 E	8.7	5.1 E	37	22 E	NA
BHC, ALPHA	319-84-6	0.01	0.046 E	0.041	0.19 E	1	4.6 E	4.1	19 E	10	46 E	41	190 E	20
BHC, BETA-	319-85-7	0.037	0.22 E	0.14	0.82 E	3.7	22 E	[14] 10	[82] 59 E	[37] 10	[220] 59 E	[140] 10	[820] 59 E	15
BHC, DELTA-	319-86-8	[1.1] 2.2	[5.4] 11 E	[3.1] 6.1	[15] 30 E	[110] 220	[540] 1100 E	[310] 610	[1500] 3000 E	[1100] 800	[5400] 3900 E	[2100] 800	[10000] 3900 E	20
BHC, GAMMA (LINDANE)	58-89-9	0.02	[0.071] 0.072 E	0.02	[0.071] 0.072 E	2	[7.1] 7.2 E	2	[7.1] 7.2 E	20	[71] 72 E	20	[71] 72 E	20
BIPHENYL, 1,1-	92-52-4	180	790 E	510	2200 E	720	3100 E	720	3100 E	720	3100 E	720	3100 E	20
BIS(2-CHLOROETHYL)ETHER	111-44-4	0.013	0.0039 E	0.055	0.017 E	1.3	0.39 E	5.5	1.7 E	1.3	0.39 E	5.5	1.7 E	NA
BIS(2-CHLORO-ISOPROPYL)ETHER	108-60-1	30	8 E	30	8 E	3,000	800 E	3,000	800 E	3,000	800 E	3,000	800 E	NA
BIS(CHLOROMETHYL)ETHER	542-88-1	0.000069	0.00001 E	0.00029	0.000044 E	0.0069	0.001 E	0.029	0.0044 E	0.0069	0.001 E	0.029	0.0044 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

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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	
BIS[2-ETHYLHEXYL] PHTHALATE	117-81-7	0.6	130 E	0.6	130 E	[34] 29	[7400] 6300 E	[34] 29	[7400] 6300 E	[34] 29	[7400] 6300 E	[34] 29	[7400] 6300 E	10
BISPHENOL A	80-05-7	180	700 E	510	2000 E	12000	46000 E	12000	46000 E	12000	46000 E	12000	46000 E	20
BROMACIL	314-40-9	8	2 E	8	2 E	800	200 E	800	200 E	8	2 E	8	2 E	NA
BROMOCHLOROMETHANE	74-97-5	9	1.6 E	9	1.6 E	900	160 E	900	160 E	9	1.6 E	9	1.6 E	NA
BROMODICHLOROMETHANE	75-27-4	10	3.4 E	10	3.4 E	1,000	340 E	1,000	340 E	10	3.4 E	10	3.4 E	NA
BROMOMETHANE	74-83-9	1	0.54 E	1	0.54 E	100	54 E	100	54 E	100	54 E	100	54 E	NA
BROMOXYNIL	1689-84-5	73	63 E	200	170 E	7300	6300 E	13000	11000 E	73	63 E	200	170 E	NA
BROMOXYNIL OCTANOATE	1689-99-2	8	360 E	8	360 E	8	360 E	8	360 E	8	360 E	8	360 E	15
BUTADIENE, 1,3-	106-99-0	0.015	0.0062 E	0.065	0.027 E	1.5	0.62 E	6.5	2.7 E	1.5	0.62 E	6.5	2.7 E	NA
BUTYL ALCOHOL, N-	71-36-3	97	12 E	200	24 E	9,700	1,200 E	10,000	2,400 E	970	120 E	2,000	240 E	NA
BUTYLATE	2008-41-5	35	51 E	35	51 E	3500	5100 E	3500	5100 E	35	51 E	35	51 E	30
BUTYLBENZENE, N-	104-51-8	150	950 E	410	2600 E	1500	9500 E	1500	9500 E	150	950 E	410	2600 E	15
BUTYLBENZENE, SEC-	135-98-8	150	350 E	410	960 E	1700	4000 E	1700	4000 E	150	350 E	410	960 E	30
BUTYLBENZENE, TERT-	98-06-6	150	270 E	410	740 E	3000	5400 E	3000	5400 E	150	270 E	410	740 E	30
BUTYLBENZYL PHTHALATE	85-68-7	270	10000 C	270	10000 C	270	10,000 C	270	10,000 C	270	10,000 C	270	10,000 C	10
CAPTAN	133-06-2	19	12 E	[74] 50	[45] 31 E	[330] 50	[200] 31 E	[330] 50	[200] 31 E	[330] 50	[200] 31 E	[330] 50	[200] 31 E	NA
CARBARYL	63-25-2	70	[42] 41 E	70	[42] 41 E	7,000	[4200] 4100 E	7,000	[4200] 4100 E	[8300] 12000	[5000] 7000 E	[8300] 12000	[5000] 7000 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	160 E	410	350 E	10,000	10,000 C	10,000	10,000 C	190	160 E	410	350 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	7000	5,300 E	7000	5,300 E	70	53 E	70	53 E	NA
CHLORAMBEN	133-90-4	10	1.6 E	10	1.6 E	1000	160 E	1000	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	14000	2300 E	29000	4800 E	140000	23000 E	140000	23000 E	14000	2300 E	29000	4800 E	NA
CHLORO-1-PROPENE, 3- (ALLYL CHLORIDE)	107-05-1	0.28	0.065 E	0.58	0.13 E	28	6.5 E	58	13 E	28	6.5 E	58	13 E	NA
CHLOROACETOPHENONE, 2-	532-27-4	0.031	0.0093 E	0.088	0.026 E	3.1	0.93 E	8.8	2.6 E	31	9.3 E	88	26 E	NA
CHLOROANILINE, P-	106-47-8	15	19 E	41	[51] 52 E	[390] 1500	[490] 1900 E	[390] 4100	[490] 5200 E	15	19 E	41	[51] 52 E	NA
CHLOROBENZENE	108-90-7	10	[6.2] 6.1 E	10	[6.2] 6.1 E	1000	[620] 610 E	1,000	[620] 610 E	1,000	[620] 610 E	1,000	[620] 610 E	NA
CHLOROBENZILATE	510-15-6	0.24	1.6 E	0.96	[6.4] 6.3 E	24	160 E	96	[640] 630 E	240	1600 E	960	[6400] E	15
CHLOROBUTANE, 1-	109-69-3	1500	2300 E	4100	6400 E	10000	10000 C	10000	10000 C	1500	2300 E	4100	6400 E	30
CHLORODIBROMOMETHANE	124-48-1	10	3.2 E	10	3.2 E	1,000	320 E	1,000	320 E	1,000	320 E	1,000	320 E	NA
CHLORODIFLUOROMETHANE	75-45-6	10	2.6 E	10	2.6 E	1,000	260 E	1,000	260 E	10	3 E	10	3 E	NA
CHLOROETHANE	75-00-3	[2800] 23	[600] 5 E	[5800] 90	[1200] 19 [C] E	[10000] 2300	[10000] 500 [C] E	[10000] 9000	[10000] [C] 1900 E	[10000] 2300	[10000] [C] 500 E	[10000] 9000	[10000] [C] 1900 E	NA
[CHLOROETHYL VINYL ETHER, 2-]	[110-75-8]	[24]	[3.1] [E]	[51]	[6.5] [E]	[2400]	[310] [E]	[5100]	[650] [E]	[24]	[3.1] [E]	[51]	[6.5] [E]	[NA]
CHLOROFORM	67-66-3	10	2.5 E	10	2.5 E	1,000	250 E	1,000	250 E	100	25 E	100	25 E	NA
CHLORONAPHTHALENE, 2-	91-58-7	290	6,200 E	[670] 820	[14000] E 18000	[670] 1200	[14000] E 26000	[670] 1200	[14000] E 26000	290	6,200 E	[670] 820	[14000] E 18000	15
CHLORONITROBENZENE, P-	100-00-5	3.7	4.9 E	14	18 E	370	490 E	1,400	1,800 E	4	5 E	14	18 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	0.45 E	4.1	0.97 E	190	45 E	410	97 E	190	45 E	410	97 E	NA
CHLOROPROPANE, 2-	75-29-6	28	21 E	58	44 E	2800	2100 E	5800	4400 E	28	21 E	58	44 E	NA
CHLOROTHALONIL	1897-45-6	6	15 E	24	61 E	60	150 E	60	150 E	6	15 E	24	61 E	30
CHLOROTOLUENE, O-	95-49-8	10	20 E	10	20 E	1000	2000 E	1000	2000 E	10	20 E	10	20 E	30
CHLORPYRIFOS	2921-88-2	2	23 E	2	23 E	[130] 110	[1500] 1300 E	[130] 110	[1500] 1300 E	2	23 E	2	23 E	15
CHLORSULFURON	64902-72-3	180	25 E	510	71 E	13000	1800 E	13000	1800 E	180	25 E	510	71 E	NA
CHLORTHAL-DIMETHYL (DACTHAL) (DCPA)	1861-32-1	40	650 E	40	650 E	50	820 E	50	820 E	50	820 E	50	820 E	15
CHRYSENE	218-01-9	[0.18] 0.19	[220] 230 E	[0.18] 0.19	[220] 230 E	[0.18] 0.19	[220] 230 E	[0.18] 0.19	[220] 230 E	[0.18] 0.19	[220] 230 E	[0.18] 0.19	[220] 230 E	5
CRESOL(S)	1319-77-3	[4.9] 18	[0.85] 3.1 E	[10] 51	[1.7] 8.9 E	[490] 1800	[85] 310 E	[1000] 5100	[170] 890 E	[490] 1800	[85] 310 E	[1000] 5100	[170] 890 E	NA
CRESOL, 0- (METHYLPHENOL, 2-)	95-48-7	180	64 E	510	180 E	10000	6400 E	10000	10000 C	10000	6400 E	10000	10000 C	NA
CRESOL, M (METHYLPHENOL, 3-)	108-39-4	180	36 E	510	100 E	10000	3600 E	10000	10000 C	10000	10000 C	10000	10000 C	NA
CRESOL, P (METHYLPHENOL, 4-)	106-44-5	18	4.2 E	51	12 E	1800	420 E	5100	1200 E	18000	4200 E	51000	12000 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	
CRESOL, P-CHLORO-M-	59-50-7	18	37 E	51	[100] 110 E	1,800	3,700 E	5,100	[10000] E 11000	18	37 E	51	[100] 110 E	30
CROTONALDEHYDE	4170-30-3	0.0079	0.00099 E	0.034	0.0043 E	0.79	0.099 E	3.4	0.43 E	0.79	0.099 E	3.4	0.43 E	NA
CROTONALDEHYDE, TRANS-	123-73-9	0.035	0.0044 E	0.14	0.018 E	3.5	0.44 E	14	1.8 E	3.5	0.44 E	14	1.8 E	NA
CUMENE	98-82-8	[2.5] 110	[18] 780 E	[5.2] 230	[37] 1600 E	[250] 5000	[1800] [E] 10000 C	[520] 5000	[3700] [E] 10000 C	[250] 5000	[1800] [E] 10000 C	[520] 5000	[3700] C 10000	15
CYCLOHEXANONE	108-94-1	4,900	1,400 E	10,000	2,800 E	10,000	10,000 C	10,000	10,000 C	4,900	1,400 E	10,000	2,800 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	2700	8400 E	7700	24000 E	27	84 E	77	240 E	20
DDD, 4,4'-	72-54-8	0.062	6.8 E	0.27	[29] 30 E	6.2	680 E	16	[1700] 1800 E	6.2	680 E	16	[1700] E 1800	10
DDE, 4,4'-	72-55-9	[0.13] 0.19	[28] 41 E	[0.13] 0.76	[28] 170 E	[0.13] 4	[28] 870 E	[0.13] 4	[28] 870 E	[0.13] 4	[28] 870 E	[0.13] 4	[28] 870 E	10
DDT, 4,4'-	50-29-3	[0.17] 0.19	[100] 110 E	[0.17] 0.55	[100] 330 E	[0.17] 0.55	[100] 330 E	[0.17] 0.55	[100] 330 E	[0.17] 0.55	[100] 330 E	[0.17] 0.55	[100] 330 E	5
DI(2-ETHYLHEXYL)ADIPATE	103-23-1	40	10000 C	40	10000 C	4000	10000 C	4000	10000 C	10000	10000 C	10000	10000 C	5
DIALLATE	2303-16-4	0.25	0.15 E	1	0.59 E	25	15 E	100	59 E	25	15 E	100	59 E	NA
DIAMINOTOLUENE, 2,4-	95-80-7	0.021	0.0042 E	0.081	0.016 E	2.1	0.42 E	8.1	1.6 E	21	4.2 E	81	16 E	NA
DIAZINON	333-41-5	0.06	0.082 E	0.06	0.082 E	6	8.2 E	6	8.2 E	0.06	0.082 E	0.06	0.082 E	30
DIBENZO[A,H]ANTHRACENE	53-70-3	0.009	41 E	0.036	160 E	[0.05] 0.06	[230] 270 E	[0.05] 0.06	[230] 270 E	[0.05] 0.06	[230] 270 E	[0.05] 0.06	[230] 270 E	5
DIBROMO-3-CHLOROPROPANE, 1,2-	96-12-8	0.02	[0.0091] E 0.0092	0.02	[0.0091] E 0.0092	2	[0.91] 0.92 E	2	[0.91] 0.92 E	2	[0.91] 0.92 E	2	[0.91] 0.92 E	NA
DIBROMOBENZENE, 1,4-	106-37-6	37	150 E	100	410 E	2000	8200 E	2000	8200 E	37	150 E	100	410 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	0.5	0.12 E	NA
DIBROMOMETHANE	74-95-3	9.7	3.7 E	20	7.7 E	970	370 E	2,000	770 E	970	370 E	2,000	770 E	NA
DIBUTYL PHTHALATE, N-	84-74-2	370	1500 E	1000	4100 E	[1300] 10000	[5300] [E] 10000 C	[1300] 10000	[5300] [E] 10000 C	[1300] 10000	[5300] [E] 10000 C	[1300] 10000	[5300] [E] 10000 C	20
DICHLORO-2-BUTENE, 1,4-	764-41-0	0.0016	0.0009 E	0.0069	0.0039 E	0.16	0.09 E	0.69	0.39 E	0.0016	0.0009 E	0.0069	0.0039 E	NA
DICHLOROBENZENE, 1,2-	95-50-1	60	[60] 59 E	60	[60] 59 E	6,000	[6000] 5900 E	6,000	[6000] 5900 E	6,000	[6000] E 5900	6,000	[6000] E 5900	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	[8.4] 8.3 E	0.58	[33] 32 E	15	[840] 830 E	58	[3300] 3200 E	150	[8400] E 8300	[580] 310	[33000] E 17000	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	0.65 E	11	2.7 E	270	65 E	1,100	270 E	27	6.5 E	110	27 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	[0.075] 0.076 E	0.5	[0.075] 0.076 E	50	[7.5] 7.6 E	50	[7.5] 7.6 E	50	[7.5] 7.6 E	50	[7.5] 7.6 E	NA
DICHLOROPHENOL, 2,4-	120-83-2	2	1 E	2	1 E	200	100 E	200	100 E	2,000	1000 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	180 E	700	180 E	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	12.0 E	260	46.0 E	66	12.0 E	260	46.0 E	NA
DICHLOROPROPIONIC ACID (DALAPON), 2,2-	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	0.012 E	0.22	0.052 E	5.2	1.2 E	22	5.2 E	0.052	0.012 E	0.22	0.052 E	NA
DICYCLOPENTADIENE	77-73-6	0.055	0.12 E	0.12	0.26 E	5.5	12 E	12	26 E	0.055	0.12 E	0.12	0.26 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
DIETHYL PHTHALATE	84-66-2	500	160 E	500	160 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
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	1600 E	1900	6400 E	4700	16000 E	6000	20000 E	20
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	[23] 57	[60] 150 E	20
DIMETHYLANILINE, N,N-	000121-69-7	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-	000119-93-7	0.0072	0.4 E	0.028	1.5 E	0.72	40 E	2.8	150 E	7.2	400 E	28	1500 E	10
[DIMETHYLHYDRAZINE, 1,1-]	[57-14-7]	0.0087	0.00097 E	0.037	0.0041 E	0.87	0.097 E	3.7	[0.41] [E]	[0.087]	[0.0097] [E]	[0.37]	[0.041] [E]	[NA]
DIMETHYLPHENOL, 2,4-	105-67-9	73	[31] 32 E	200	[85] 87 E	7,300	[3100] 3200 E	10,000	[8500] 8700 E	10,000	10,000 C	10,000	10,000 C	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

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B. Soil to Groundwater Numeric Values[1]

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	
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	0.21 E	4.1	0.46 E	190	21 E	410	46 E	19	2.1 E	41	4.6 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
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	70	29 E	70	29 E	NA
DIOXANE, 1,4-	123-91-1	0.56	0.073 E	2.4	0.31 E	56	7.3 E	240	31 E	5.6	0.73 E	24	3.1 E	NA
DIPHENAMID	957-51-7	20	12 E	20	12 E	2000	1,200 E	2000	1,200 E	20	12 E	20	12 E	NA
DIPHENYLAMINE	122-39-4	20	12 E	20	12 E	2,000	1,200 E	2,000	1,200 E	20,000	12,000 E	20,000	12,000 E	NA
DIPHENYLHYDRAZINE, 1,2-	122-66-7	0.083	0.15 E	0.33	0.58 E	8.3	15 E	~~33~~ 25	~~58~~ 44 E	~~83~~ 25	~~150~~ 44 E	~~330~~ 25	~~580~~ 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	[0.08] 0.078 E	0.03	[0.08] 0.078 E	3	[8] 7.8 E	3	[8] 7.8 E	3	[8] 7.8 E	3	8 E	20
DIURON	330-54-1	1	[0.87] 0.86 E	1	[0.87] 0.86 E	100	[87] 86 E	100	[87] 86 E	1	[0.87] 0.86 E	1	[0.87] 0.86 E	NA
ENDOSULFAN	115-29-7	5.8	30 E	12	61 E	48	250 E	48	250 E	48	250 E	48	250 E	15
ENDOSULFAN I (ALPHA)	959-98-8	22	110 E	~~53~~ 50	~~280~~ 260 E	~~53~~ 50	~~280~~ 260 E	~~53~~ 50	~~280~~ 260 E	22	110 E	~~53~~ 50	~~280~~ 260 E	15
ENDOSULFAN II (BETA)	33213-65-9	22	130 E	~~28~~ 45	~~170~~ 260 E	~~28~~ 45	~~170~~ 260 E	~~28~~ 45	~~170~~ 260 E	22	130 E	~~28~~ 45	~~170~~ 260 E	15
ENDOSULFAN SULFATE	1031-07-8	12	[72] 70 E	12	[72] 70 E	12	[72] 70 E	12	[72] 70 E	12	[72] 70 E	12	[72] 70 E	15
ENDOTHALL	145-73-3	10	[4.2] 4.1 E	10	[4.2] 4.1 E	1,000	[420] 410 E	1,000	[420] 410 E	10	[4.2] 4.1 E	10	[4.2] 4.1 E	NA
ENDRIN	72-20-8	0.2	[5.4] 5.5 E	0.2	[5.4] 5.5 E	20	[540] 550 E	20	[540] 550 E	0.2	[5.4] 5.5 E	0.2	[5.4] 5.5 E	15
EPICHLOROHYDRIN	106-89-8	0.28	0.056 E	0.58	0.12 E	28	5.6 E	58	12 E	28	5.6 E	58	12 E	NA
ETHEPHON	16672-87-0	18	2.1 E	51	5.9 E	1800	210 E	5100	590 E	18	2.1 E	51	5.9 E	NA
ETHION	563-12-2	1.8	39 E	5.1	110 E	~~60~~ 85	~~1300~~ 1900 E	~~60~~ 85	~~1300~~ 1900 E	1.8	39 E	5.1	110 E	15
ETHOXYETHANOL, 2- (EGEE)	110-80-5	~~390~~ 55	~~55~~ 7.8 E	~~820~~ 120	~~120~~ 17 E	~~10000~~ 5500	~~5500~~ 780 E	10,000	~~10000~~ 1700 E	~~10000~~ 5500	~~5500~~ 780 E	10,000	~~10000~~ 1700 E	NA
ETHYL ACETATE	141-78-6	870	220 E	1,800	[460] 470 E	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	0.12 E	1.3	[0.49] 0.5 E	31	12 E	130	[49] 50 E	31	12 E	130	[49] 50 E	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
ETHYL DIPROPYLTHIOCARBAMATE, S- (EPTC)	759-94-4	91	65 E	260	180 E	9100	6500 E	10,000	10000 C	91	65 E	260	180 E	NA
ETHYL ETHER	60-29-7	190	53 E	410	[110] 120 E	10,000	5,300 E	10,000	10,000 C	190	53 E	410	[110] 120 E	NA
ETHYL METHACRYLATE	97-63-2	87	14 E	180	30 E	8700	1400 E	18000	3000 E	87	14 E	180	30 E	NA
ETHYLENE GLYCOL	107-21-1	] 1400	[85] 170 E	[700] 1400	[85] 170 E	10,000	[8500] 10000 E	10,000	[8500] 10000 E	10,000	[8500] 10000 E	10,000	[8500] 10000 E	NA
ETHYLENE THIOUREA (ETU)	96-45-7	0.3	0.034 E	0.3	0.034 E	30	3.4 E	30	3.4 E	300	34 E	300	34 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	0.17 E	0.2	0.17 E	20	17 E	20	17 E	0.2	0.17 E	0.2	0.17 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 (FLUOMETRON IN EPA FEB 96)	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	~~27~~ 26	~~3300~~ 3200 E	~~27~~ 26	~~3300~~ 3200 E	~~27~~ 26	~~3300~~ 3200 E	~~27~~ 26	~~3300~~ 3200 E	~~27~~ 26	~~3300~~ 3200 E	~~27~~ 26	~~3300~~ 3200 E	10
FLUORENE	86-73-7	~~19~~ 150	~~380~~ 3000 E	~~19~~ 190	~~380~~ 3800 E	~~19~~ 190	~~380~~ 3800 E	~~19~~ 190	~~380~~ 3800 E	~~19~~ 190	~~380~~ 3800 E	~~19~~ 190	~~380~~ 3800 E	15
FLUOROTRICHLOROMETHANE (FREON 11)	75-69-4	200	[90] 87 E	200	[90] 87 E	10,000	[9000] 8700 E	10,000	[9000] 8700 E	10,000	[9000] 8700 E	10,000	[9000] 8700 E	NA
FONOFOS	944-22-9	1	[2.8] 2.9 E	1	[2.8] 2.9 E	100	[280] 290 E	100	[280] 290 E	1	[2.8] 2.9 E	1	[2.8] 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	1,900	210 E	4,100	460 E	10,000	10,000 C	10,000	10,000 C	10,000	2,100 E	10,000	4,600 E	NA
FOSETYL-AL	039148-24-8	11000	9,700 E	31000	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	0.42 E	2	0.87 E	97	42 E	200	87 E	97	42 E	200	87 E	NA
FURFURAL	98-01-1	11	1.4 E	29	3.7 E	1,100	140 E	2,900	370 E	11	1.4 E	29	3.7 E	NA
GLYPHOSATE	1071-83-6	70	[630] 620 E	70	[630] 620 E	7,000	[63000] 62000 E	7,000	[63000] 62000 E	70	[630] 620 E	70	[630] 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] 1.1 E	0.02	[1] 1.1 E	2	[100] 110 E	2	[100] 110 E	20	[1000] 1100 E	20	[1000] 1100 E	10
HEXACHLOROBENZENE	118-74-1	0.1	0.96 E	0.1	0.96 E	~~0.62~~ 0.6	~~6~~ 5.8 E	~~0.62~~ 0.6	~~6~~ 5.8 E	~~0.62~~ 0.6	~~6~~ 5.8 E	~~0.62~~ 0.6	~~6~~ 5.8 E	15
HEXACHLOROBUTADIENE	87-68-3	0.1	1.2 E	0.1	1.2 E	10	120 E	10	120 E	100	1,200 E	100	1,200 E	15

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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	
HEXACHLOROCYCLOPENTADIENE	77-47-4	5	91 E	5	91 E	[340] 180	[6200] 3300 E	[340] 180	[6200] 3300 E	[340] 180	[6200] E 3300	[340] 180	[6200] E 3300	15
HEXACHLOROETHANE	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	[510] 500 E	120	1100 E	950	8,700 E	950	8,700 E	55	[510] 500 E	120	1,100 E	15
HEXYTHIAZOX (SAVEY)	78587-05-0	50	820 E	50	820 E	50	820 E	50	820 E	50	820 E	50	820 E	15
HYDRAZINE/HYDRAZINE SULFATE	302-01-2	0.00088	0.000098 E	0.0038	0.00042 E	0.088	0.0098 E	0.38	0.042 E	0.0088	0.00098 E	0.038	0.0042 E	NA
HYDROQUINONE	123-31-9	150	20 E	410	55 E	15000	2000 E	41000	5500 E	150000	20000 E	190000	55000 E	NA
INDENO[1,2,3-CD]PYRENE	193-39-5	0.09	7000 E	0.36	28000 E	6.2	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	1200 E	1300	3700 E	1,300	3700 E	150	430 E	410	1200 E	20
ISOBUTYL ALCOHOL	78-83-1	290	76 E	610	160 E	10,000	7,600 E	10,000	10,000 C	10,000	7,600 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
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	2200 E	10
MALATHION	121-75-5	[20] 10	[67] 34 E	[20] 10	[67] 34 E	[2000] 1000	[6700] 3400 E	[2000] 1000	[6700] 3400 E	[2000] 1000	[6700] E 3400	[2000] 1000	[6700] E 3400	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	6 E	NA
MERPHOS OXIDE	78-48-8	0.11	15 E	0.31	41 E	11	1500 E	31	4100 E	0.11	15 E	0.31	41 E	10
METHACRYLONITRILE	126-98-7	0.19	0.031 E	0.41	0.067 E	19	3.1 E	41	6.7 E	0.19	0.031 E	0.41	0.067 E	NA
METHAMIDOPHOS	10265-92-6	0.18	0.022 E	0.51	0.063 E	18	2 E	51	6.3 E	0.18	0.022 E	0.51	0.063 E	NA
METHANOL	67-56-1	490	58 E	1,000	120 E	10,000	5,800 E	10,000	10,000 C	10,000	5,800 E	10,000	10,000 C	NA
METHOMYL	16752-77-5	20	3.2 E	20	3.2 E	2,000	320 E	2000	320 E	20	3.2 E	20	3.2 E	NA
METHOXYCHLOR	72-43-5	4	630 E	4	630 E	[10] 4.5	[1600] 710 E	[10] 4.5	[1600] 710 E	[10] 4.5	[1600] 710 E	[10] 4.5	[1600] 710 E	10
METHOXYETHANOL, 2-	109-86-4	3.7	0.41 E	10	1.1 E	370	41 E	1,000	110 E	3.7	0.41 E	10	1.1 E	NA
METHYL ACETATE	79-20-9	3700	690 E	10000	1900 E	10000	10000 C	10000	10,000 C	3700	690 E	10000	1,900 E	NA
METHYL ACRYLATE	96-33-3	110	27 E	310	77 E	10000	2700 E	10000	7700 E	10000	2700 E	10000	7700 E	NA
METHYL CHLORIDE	74-87-3	0.3	0.038 E	0.3	0.038 E	30	3.8 E	30	3.8 E	30	3.8 E	30	3.8 E	NA
METHYL ETHYL KETONE	78-93-3	280	[53] 54 E	580	110 E	10,000	[5300] 5400 E	10,000	10,000 C	10,000	[5300] E 5400	10,000	10,000 C	NA
METHYL ISOBUTYL KETONE	108-10-1	[22] 19	[3.4] 2.9 E	[47] 41	[7.3] 6.3 E	[2200] 1900	[340] 290 E	[4700] 4100	[730] 630 E	[2200] 1900	[340] 290 E	[4700] 4100	[730] 630 E	NA
METHYL METHACRYLATE	80-62-6	[78] 190	[11] 26 E	[160] 410	[22] 56 E	[7800] 10000	[1100] 2600 E	10,000	[2200] 5600 E	[7800] 10000	[1100] E 2600	10,000	[2200] E 5600	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
METHYL PARATHION	298-00-0	0.2	0.42 E	0.2	0.42 E	20	42 E	20	42 E	20	42 E	20	42 E	30
METHYL STYRENE (MIXED ISOMERS)	25013-15-4	22	120 E	61	340 E	2200	12000 E	6100	34000 E	22	120 E	61	340 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
METHYLENE BIS(2-CHLOROANILINE), 4,4'-	101-14-4	0.51	3.9 E	2	15 E	51	390 E	200	1500 E	0.51	3.9 E	2	15 E	15
METHYLNAPHTHALENE, 2-	91-57-6	[150] 73	[6000] 2900 E	[410] 200	[10000] 8000 [C] E	2,500	10,000 C	2,500	10,000 C	[150] 73	[6000] E 2900	[410] 200	[10000] [C] 8000 E	15
METHYLSTYRENE, ALPHA	98-83-9	68	120 E	140	250 E	6800	12000 E	14000	25000 E	68	120 E	140	250 E	30
NAPHTHALENE	91-20-3	[2] 10	[5] 25 E	[2] 10	[5] 25 E	[200] 1000	[500] 2500 E	[200] 1000	[500] 2500 E	[2000] 3000	[5000] E 7500	[2000] 3000	[5000] E 7500	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	1100 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	1000	2300 E	7000	16000 E	7000	16000 E	370	860 E	1000	2300 E	30
NITROANILINE, M-	99-09-2	0.21	0.033 E	0.58	0.091 E	21	3.3 E	58	9.1 E	0.21	0.033 E	0.58	0.091 E	NA
NITROANILINE, O-	88-74-4	0.21	[0.037] 0.038 E	0.58	0.1 E	21	[3.7] 3.8 E	58	10 E	0.21	[0.037] E 0.038	0.58	0.1 E	NA
NITROANILINE, P-	100-01-6	0.21	0.031 E	0.58	0.086 E	21	3.1 E	58	8.6 E	0.21	0.031 E	0.58	0.086 E	NA
NITROBENZENE	98-95-3	1.8	0.79 E	5.1	2.2 E	180	79 E	510	220 E	1,800	790 E	5,100	2,200 E	NA
NITROPHENOL, 2-	88-75-5	[230] 29	[47] 5.9 E	[630] 82	[130] 17 E	[23000] 2900	[4700] 590 E	[63000] 8200	[13000] E 1700	[190000] 29000	[43000] E 5900	[190000] 82000	[43000] E 17000	NA
NITROPHENOL, 4-	100-02-7	6	[4.2] 4.1 E	6	[4.2] 4.1 E	600	[420] 410 E	600	[420] 410 E	6,000	[4200] E 4100	6,000	[4200] E 4100	NA
NITROPROPANE, 2-	79-46-9	0.0016	0.00026 E	0.0068	0.0011 E	0.16	0.026 E	0.68	0.11 E	0.016	0.0026 E	0.068	0.011 E	NA
NITROSODIETHYLAMINE, N-	55-18-5	0.0001	0.000018 E	0.00043	[0.000075] E 0.000076	0.01	0.0018 E	0.043	[0.0075] E 0.0076	0.001	0.00018 E	0.0043	[0.00075] E 0.00076	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 Values[1]

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	
NITROSODIMETHYLAMINE, N-	62-75-9	0.00031	0.000041 E	0.0013	0.00017 E	0.031	0.0041 E	0.13	0.017 E	0.0031	0.00041 E	0.013	0.0017 E	NA
NITROSO-DI-N-BUTYLAMINE, N-	924-16-3	0.0027	0.0033 E	0.011	0.014 E	0.27	0.33 E	1.1	1.4 E	0.27	0.33 E	1.1	1.4 E	NA
NITROSODI-N-PROPYLAMINE, N-	621-64-7	0.0094	0.0013 E	0.037	0.0051 E	0.94	0.13 E	3.7	0.51 E	9.4	1.3 E	37	5.1 E	NA
NITROSODIPHENYLAMINE, N-	86-30-6	13	20 E	53	[82] 83 E	1,300	2,000 E	3,500	[5400] 5500 E	3,500	[5400] 5500 E	3,500	[5400] 5500 E	30
NITROSO-N-ETHYLUREA, N-	759-73-9	0.00047	0.000054 E	0.0019	0.00022 E	0.047	0.0054 E	0.19	0.022 E	0.047	0.0054 E	0.19	0.022 E	NA
OCTYL PHTHALATE, DI-N-	117-84-0	73	10,000 C	200	10,000 C	300	10,000 C	300	10,000 C	300	10,000 C	300	10,000 C	5
OXAMYL (VYDATE)	23135-22-0	20	2.6 E	20	2.6 E	2,000	260 E	2,000	260 E	20	2.6 E	20	2.6 E	NA
PARATHION	56-38-2	22	130 E	61	360 E	2000	10,000 C	2000	10,000 C	22	130 E	61	360 E	15
PCB-1016 (AROCLOR)	12674-11-2	[0.26] 0.05	[70] 14 E	[0.72] 0.05	[190] 14 E	[~~4.9~~] 5	[~~1300~~] 1400 E	[~~4.9~~] 5	[~~1300~~] 1400 E	[0.26] 0.05	[70] 14 E	[0.72] 0.05	[190] 14 E	10
PCB-1221 (AROCLOR)	11104-28-2	[0.13] 0.05	[0.62] 0.24 E	[0.52] 0.05	[2.5] 0.24 E	[13] 5	[62] 24 E	[~~20~~] 5	[~~95~~] 24 E	[0.13] 0.05	[0.62] 0.24 E	[0.52] 0.05	[2.5] 0.24 E	20
PCB-1232 (AROCLOR)	11141-16-5	[0.13] 0.05	[0.52] 0.19 E	[0.52] 0.05	[2.1] 0.19 E	[13] 5	[52] 19 E	[52] 5	[210] 19 E	[0.13] 0.05	[0.52] 0.19 E	[0.52] 0.05	[2.1] 0.19 E	20
PCB-1242 (AROCLOR)	53469-21-9	[0.13] 0.05	[16] 6 E	[0.52] 0.05	[62] 6 E	[~~13~~] 5	[~~1600~~] 600 E	[~~24~~] 5	[~~2900~~] 600 E	[0.13] 0.05	[16] 6 E	[0.52] 0.05	[62] 6 E	10
PCB-1248 (AROCLOR)	12672-29-6	[0.037] 0.05	[18] 24 E	[0.14] 0.05	[67] 24 E	[~~0.6~~] 5	[~~290~~] 2400 E	[~~0.6~~] 5	[~~290~~] 2400 E	[0.037] 0.05	[18] 24 E	[0.14] 0.05	[67] 24 E	10
PCB-1254 (AROCLOR)	11097-69-1	[0.037] 0.05	[75] 100 E	[0.14] 0.05	[280] 100 E	[~~1.2~~] 5	[~~2400~~] 10000 E	[~~1.2~~] 5	[~~2400~~] 10000 [~~E~~] C	[0.037] 0.05	[75] 100 E	[0.14] 0.05	[280] 100 E	5
PCB-1260 (AROCLOR)	11096-82-5	[0.025] 0.05	[110] 230 E	[0.11] 0.05	[500] 230 E	[2.5] 5	[11000] 23000 E	[8] 5	[36000] 23000 E	[0.025] 0.05	[110] 230 E	[0.11] 0.05	[500] 230 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	[~~24~~] 74	[~~1900~~] 5900 E	[~~24~~] 74	[~~1900~~] 5900 E	[~~24~~] 74	[~~1900~~] 5900 E	[~~24~~] 74	[~~1900~~] 5900 E	10
PENTACHLORONITROBENZENE	82-68-8	0.25	5 E	1	20 E	25	500 E	44	[880] 870 E	44	[880] 870 E	44	[880] 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	[47] 46 E	3,000	1,200 E	12,000	[4700] 4600 E	30,000	12,000 E	76,000	[30000] 29000 E	NA
PHENANTHRENE	85-01-8	[~~120~~] 110	[~~11000~~] 10000 E	[~~120~~] 110	[~~11000~~] 10000 E	[~~120~~] 110	[~~11000~~] 10000 E	[~~120~~] 110	[~~11000~~] 10000 E	[~~120~~] 110	[~~11000~~] 10000 E	[~~120~~] 110	[~~11000~~] 10000 E	10
PHENOL	108-95-2	400	66 E	400	66 E	40,000	6,600 E	40,000	6,600 E	40,000	6,600 E	40,000	6,600 E	NA
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	490 E	130	1900 E	3,400	49,000 E	13,000	190,000 E	34,000	190,000 C	70,000	190,000 C	15
PHORATE	298-02-2	0.19	0.41 E	0.41	0.88 E	19	41 E	41	88 E	0.19	0.41 E	0.41	0.88 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
PRONAMIDE	23950-58-5	5	[3] 3.1 E	5	[3] 3.1 E	500	[300] 310 E	500	[300] 310 E	5	[3] 3.1 E	5	[3] 3.1 E	NA
PROPANIL	709-98-8	18	9.2 E	51	26 E	1,800	920 E	5,100	2,600 E	18	9 E	51	26 E	NA
PROPHAM	122-42-9	73	17 E	200	48 E	7,300	1,700 E	20,000	4,800 E	73	17 E	200	48 E	NA
PROPYLBENZENE, N-	103-65-1	[37] 150	[71] 290 E	[100] 410	[190] 780 E	[3700] 5200	[7100] 9900 E	5,200	9900 E	[37] 150	[71] 290 E	[100] 410	[190] 780 E	30
PROPYLENE OXIDE	75-56-9	0.28	[0.048] 0.049 E	1.1	0.19 E	28	[4.8] 4.9 E	110	19 E	0.28	[0.048] E	1.1	0.19 E	NA
PYRENE	129-00-0	[~~1.3~~] 13	[~~220~~] 2200 E	[~~1.3~~] 13	[~~220~~] 2200 E	[~~1.3~~] 13	[~~220~~] 2200 E	[~~1.3~~] 13	[~~220~~] 2200 E	[~~1.3~~] 13	[~~220~~] 2200 E	[~~1.3~~] 13	[~~220~~] 2200 E	10
PYRIDINE	110-86-1	0.97	0.11 E	2	0.22 E	97	11 E	200	22 E	9.7	1.1 E	20	2.2 E	NA
QUINOLINE	91-22-5	0.0055	0.018 E	0.022	0.074 E	0.55	1.8 E	2.2	7.4 E	5.5	18 E	22	74 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
RONNEL	299-84-3	180	280 E	510	800 E	4000	6200 E	4000	6200 E	180	280 E	510	800 E	30
SIMAZINE	122-34-9	0.4	[0.16] 0.15 E	0.4	[0.16] 0.15 E	40	[16] 15 E	40	[16] 15 E	0.4	[0.16] 0.15 E	0.4	[0.16] 0.15 E	NA
STRYCHNINE	57-24-9	1.1	[0.9] 0.89 E	3.1	2.5 E	110	[90] 89 E	310	250 E	1,100	[900] 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	[0.13] 0.12 E	0.09	[0.13] 0.12 E	9	[13] 12 E	9	[13] 12 E	0.09	[0.13] 0.12 E	0.09	[0.13] 0.12 E	30

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All concentrations in mg/kg
E - Number calculated by the soil to groundwater equation in Section 250.308
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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	
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	1800 E	700	1800 E	700	1800 E	700	1800 E	30
TETRACHLOROETHANE, 1,1,2,2-	79-34-5	[0.074] 0.03	[0.023] 0.0093 E	[0.32] 0.03	[0.099] 0.0093 E	[7.4] 3	[2.3] 0.93 E	[32] 3	[9.9] 0.93 E	[7.4] 3	[2.3] 0.93 E	[32] 3	[9.9] 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	NA
TETRACHLOROPHENOL, 2,3,4,6-	58-90-2	29	450 E	61	950 E	2,900	45,000 E	6,100	95,000 E	2,900	45,000 E	6,100	95,000 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	0.73 E	1	1.5 E	49	73 E	100	150 E	0.49	0.73 E	1	1.5 E	30
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	0.13 E	1.1	[0.5] 0.51 E	28	13 E	110	[50] 51 E	0.28	0.13 E	1.1	0.5 E	NA
TOLUIDINE, O-	95-53-4	[0.37] 0.28	[0.42] 0.32 E	[1.4] 1.1	[1.6] 1.2 E	[37] 28	[42] 32 E	[140] 110	[160] 120 E	[370] 280	[420] 320 E	[1400] 1100	[1600] 1200 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
TRIALLATE	2303-17-5	47	240 E	130	660 E	400	2000 E	400	2000 E	47	240 E	130	660 E	15
TRIBROMOMETHANE (BROMOFORM)	75-25-2	10	[4.3] 4.4 E	10	[4.3] 4.4 E	1,000	[430] 440 E	1,000	[430] 440 E	1,000	[430] 440 E	1,000	[430] 440 E	NA
TRICHLORO-1,2,2-TRIFLUOROETHANE, 1,1,2-	76-13-1	8300	2600 E	17000	53000 E	17000	53000 E	17000	53000 E	17000	53000 E	17000	53000 E	20
TRICHLOROBENZENE, 1,2,4-	120-82-1	7	[28] 27 E	7	[28] 27 E	700	[2800] 2700 E	700	[2800] 2700 E	[4900] 4400	10,000 C	[4900] 4400	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
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	100,000	190,000 C	100,000	190,000 C	15
TRICHLOROPHENOL, 2,4,6-	88-06-2	6	17 E	24	[67] 69 E	600	1,700 E	2,400	[6700] 6900 E	6,000	17,000 E	24,000	[67000] 69000 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	[3.3] 3.2 E	4	[3.3] 3.2 E	400	[330] 320 E	400	[330] 320 E	400	[330] 320 E	400	[330] 320 E	NA
TRICHLOROPROPENE, 1,2,3-	96-19-5	18	11 E	51	30 E	1,800	1,100 E	5,100	3,000 E	18	11 E	51	30 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	9 E	3.5	20 E	160	900 E	350	2000 E	160	900 E	350	2000 E	15
TRIMETHYLBENZENE, 1,3,5-	108-67-8	1.6	2.8 E	3.5	6.2 E	160	280 E	350	620 E	1.6	2.8 E	3.5	6.2 E	30
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	6.5 E	120	14 E	5,500	650 E	10,000	1,400 E	55	6.5 E	120	14 E	NA
VINYL BROMIDE (BROMOETHENE)	593-60-2	0.14	0.068 E	0.58	0.28 E	14	6.8 E	58	28 E	1.4	0.68 E	5.8	2.8 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	[0.000000092] 1.1	[0.00000022] 2.6 E	[0.000000092] 3.1	[0.00000022] 7.4 E	[0.000000092] 110	[0.00000022] 260 E	[0.000000092] 310	[0.00000022] 740 E	[0.000000092] 1100	[0.00000022] 2600 E	[0.000000092] 1700	[0.00000022] 4100 E	30
XYLENES (TOTAL)	1330-20-7	1,000	[850] 990 E	1,000	[850] 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	1000	160 E	1000	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