

**APPENDIX A**  
**TABLE 3 - MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN SOIL**  
**B. Soil to Groundwater Numeric Values<sup>1</sup>**

REGULATED SUBSTANCE	CASRN	Used Aquifers								Non-Use Aquifers				Soil Buffer Distance (feet)
		TDS ≤ 2500				TDS > 2500				Residential		Non-Residential		
		Residential	Generic	Non-Residential	Generic	Residential	Generic	Non-Residential	Generic	100 X	Generic	100 X	Generic	
100 X GW MSC	Value	100 X GW MSC	Value	100 X GW MSC	Value	100 X GW MSC	Value	100 X GW MSC	Value	100 X GW MSC	Value	100 X GW MSC	Value	
ACENAPHTHENE	83-32-9	220	2700 E	380	4700 E	380	4,700 E	380	4,700 E	380	4,700 E	380	4,700 E	15
ACENAPHTHYLENE	208-96-8	220	2500 E	610	6900 E	1,600	18,000 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	3.6 E	NA
ACETALDEHYDE	75-07-0	1.9	0.23 E	5.2	0.63 E	190	23 E	520	63 E	1.9	0.23 E	5.2	0.63 E	NA
ACETONE	67-64-1	370	41 E	1000	110 E	10,000	4,100 E	10,000	4,100 E	3,700	410 E	10,000	1,100 E	NA
ACETONITRILE	75-05-8	17	1.9 E	35	3.9 E	1,700	190 E	3,500	390 E	170	19 E	350	39 E	NA
ACETOPHENONE	98-86-2	370	200 E	1000	540 E	10,000	10,000 C	10,000	10,000 C	370	200 E	1,000	540 E	NA
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	280 E	20
ACROLEIN	107-02-8	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	0.0087 E	0.27	0.037 E	6.3	0.87 E	27	3.7 E	6.3	0.87 E	27	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
AMINOBIIPHENYL, 4-	92-67-1	0.0031	0.0012 E	0.012	0.0046 E	0.31	0.12 E	1.2	0.46 E	3.1	1.2 E	12	4.6 E	NA
AMITROLE	61-82-5	0.07	0.029 E	0.28	0.12 E	7	2.9 E	28	12 E	70	29 E	280	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	20,000	2,400 E	20,000	2,400 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	6.6	350 E	6.6	350 E	6.6	350 E	6.6	350 E	6.6	350 E	6.6	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	1,500 E	5
BENZO(A)ANTHRACENE	56-55-3	0.09	79 E	0.36	320 E	1.1	960 E	1.1	960 E	1.1	960 E	1.1	960 E	5
BENZO(A)PYRENE	50-32-8	0.02	46 E	0.02	46 E	0.38	860 E	0.38	860 E	0.38	860 E	0.38	860 E	5
BENZO(B)FLUORANTHENE	205-99-2	0.09	120 E	0.12	170 E	0.12	170 E	0.12	170 E	0.12	170 E	0.12	170 E	5
BENZO(GH)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	610 E	0.055	610 E	0.055	610 E	0.055	610 E	0.055	610 E	0.055	610 E	5
BENZOIC ACID	65-85-0	15000	2900 E	41000	7800 E	190,000	52,000 E	190,000	52,000 E	15,000	2,900 E	41,000	7,800 E	NA
BENZOTRICHORIDE	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	10	59 E	10	59 E	10	59 E	15
BHC, DELTA-	319-86-8	2.2	11 E	6.1	30 E	220	1,100 E	610	3,000 E	800	3,900 E	800	3,900 E	20
BHC, GAMMA (LINDANE)	58-89-9	0.02	0.072 E	0.02	0.072 E	2.0	7.2 E	2.0	7.2 E	20	72 E	20	72 E	20
BIPHENYL, 1,1-	92-52-4	180	790 E	510	2200 E	720	3,100 E	720	3,100 E	720	3,100 E	720	3,100 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	0.00069	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
BIS[2-ETHYLHEXYL] PHTHALATE	117-81-7	0.6	130 E	0.6	130 E	29	6,300 E	29	6,300 E	29	6,300 E	29	6,300 E	10
BISPHENOL A	80-05-7	180	700 E	510	2000 E	12,000	46,000 E	12,000	46,000 E	12,000	46,000 E	12,000	46,000 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

<sup>1</sup> 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<sup>1</sup>**

REGULATED SUBSTANCE	CASRN	Used Aquifers								Non-Use Aquifers				Soil Buffer Distance (feet)
		TDS ≤ 2500				TDS > 2500				Residential		Non-Residential		
		Residential	Generic	Non-Residential	Generic	Residential	Generic	Non-Residential	Generic	100 X	Generic	100 X	Generic	
100 X GW MSC	Value	100 X GW MSC	Value	100 X GW MSC	Value	100 X GW MSC	Value	100 X GW MSC	Value	100 X GW MSC	Value	100 X GW MSC	Value	
BROMOXYNIL	1689-84-5	73	63 E	200	170 E	7,300	6,300 E	13,000	11,000 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	3,500	5,100 E	3,500	5,100 E	35	51 E	35	51 E	30
BUTYLBENZENE, N-	104-51-8	150	950 E	410	2600 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	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	50	31 E	50	31 E	50	31 E	50	31 E	50	31 E	NA
CARBARYL	63-25-2	70	41 E	70	41 E	7,000	4,100 E	7,000	4,100 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	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	5.0	2.6 E	5.0	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	14000	2300 E	29000	4800 E	140,000	23,000 E	140,000	23,000 E	14,000	2,300 E	29,000	4,800 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	2.6 E	NA
CHLOROANILINE, P-	106-47-8	15	19 E	41	52 E	1,500	1,900 E	4,100	5,200 E	15	19 E	41	52 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	1.6 E	0.96	6.3 E	24	160 E	96	630 E	240	1,600 E	960	6,300 E	15
CHLOROBUTANE, 1-	109-69-3	1500	2300 E	4100	6400 E	10,000	10,000 C	10,000	10,000 C	1,500	2,300 E	4,100	6,400 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	2.6 E	10	2.6 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	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	6200 E	820	18000 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	18 E	370	490 E	1,400	1,800 E	3.7	4.9 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	2,800	2,100 E	5,800	4,400 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	1,000	2,000 E	1,000	2,000 E	10	20 E	10	20 E	30
CHLOROPYRIFOS	2921-88-2	2	23 E	2	23 E	110	1,300 E	110	1,300 E	2	23 E	2	23 E	15
CHLORSULFURON	64902-72-3	180	25 E	510	71 E	13,000	1,800 E	13,000	1,800 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	0.19	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, O- (2-METHYLPHENOL)	95-48-7	180	64 E	510	180 E	10,000	6,400 E	10,000	10,000 C	10,000	6,400 E	10,000	10,000 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	0.00099 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	0.0079	0.001 E	0.034	0.0043 E	0.79	0.1 E	3.4	0.43 E	0.79	0.1 E	3.4	0.43 E	NA
CUMENE	98-82-8	110	780 E	230	1600 E	5,000	10,000 C	5,000	10,000 C	5,000	10,000 C	5,000	10,000 C	15
CYCLOHEXANONE	108-94-1	4900	1400 E	10000	2800 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	2,700	8,400 E	7,700	24,000 E	27	84 E	77	240 E	20

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		TDS ≤ 2500				TDS > 2500				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	
DDD, 4,4'-	72-54-8	0.062	6.8 E	0.27	30 E	6.2	680 E	16	1,800 E	6.2	680 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	10000 C	40	10000 C	4,000	10,000 C	4,000	10,000 C	10,000	10,000 C	10,000	10,000 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	0.06	270 E	0.06	270 E	0.06	270 E	0.06	270 E	5
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	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	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	10,000	10,000 C	10,000	10,000 C	10,000	10,000 C	10,000	10,000 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
DICHLOROENZENE, 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
DICHLOROENZENE, 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
DICHLOROENZENE, 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
DICHLOROENZIDINE, 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	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	0.076 E	0.5	0.076 E	50	7.6 E	50	7.6 E	50	7.6 E	50	7.6 E	NA
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
DICHLOROPHENYOXYACETIC 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 E	260	46 E	66	12 E	260	46 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	1,600 E	1,900	6,400 E	4,700	16,000 E	6,000	20,000 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	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	0.4 E	0.028	1.5 E	0.72	40 E	2.8	150 E	7.2	400 E	28	1,500 E	10
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	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	2,000	1,200 E	2,000	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	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

<sup>1</sup> 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<sup>1</sup>**

REGULATED SUBSTANCE	CASRN	Used Aquifers								Non-Use Aquifers				Soil Buffer Distance (feet)
		TDS ≤ 2500				TDS > 2500				Residential		Non-Residential		
		Residential	Generic	Non-Residential	Generic	Residential	Generic	Non-Residential	Generic	100 X	Generic	100 X	Generic	
100 X GW MSC	Value	100 X GW MSC	Value	100 X GW MSC	Value	100 X GW MSC	Value	100 X GW MSC	Value	100 X GW MSC	Value	100 X GW MSC	Value	
DISULFOTON	298-04-4	0.03	0.078 E	0.03	0.078 E	3	7.8 E	3	7.8 E	3	7.8 E	3	7.8 E	20
DIURON	330-54-1	1	0.86 E	1	0.86 E	100	86 E	100	86 E	1	0.86 E	1	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	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	0.056 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	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	7.8 E	120	17 E	5,500	780 E	10,000	1,700 E	5,500	780 E	10,000	1,700 E	NA
ETHYL ACETATE	141-78-6	870	220 E	1800	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	0.5 E	31	12 E	130	50 E	31	12 E	130	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	9,100	6,500 E	10,000	10,000 C	91	65 E	260	180 E	NA
ETHYL ETHER	60-29-7	190	53 E	410	120 E	10,000	5,300 E	10,000	10,000 C	190	53 E	410	120 E	NA
ETHYL METHACRYLATE	97-63-2	87	14 E	180	30 E	8,700	1,400 E	18,000	3,000 E	87	14 E	180	30 E	NA
ETHYLENE GLYCOL	107-21-1	1400	170 E	1400	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	0.034 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	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	3200 E	26	3200 E	26	3,200 E	26	3,200 E	26	3,200 E	26	3,200 E	10
FLUORENE	86-73-7	150	3000 E	190	3800 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	210 E	4100	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	39148-24-8	11000	9700 E	31000	27000 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	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	4.0	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	110 E	2	110 E	20	1,100 E	20	1,100 E	10
HEXACHLOROBENZENE	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
HEXACHLOROBUTADIENE	87-68-3	0.10	1.2 E	0.1	1.2 E	10.0	120 E	10	120 E	100	1,200 E	100	1,200 E	15
HEXACHLOROCYCLOPENTADIENE	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
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	500 E	120	1100 E	950	8,700 E	950	8,700 E	55	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	0.00098 E	0.0038	0.0042 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	15,000	2,000 E	41,000	5,500 E	150,000	20,000 E	190,000	55,000 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	1,300	3,700 E	1,300	3,700 E	150	430 E	410	1,200 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	2,200 E	10
MALATHION	121-75-5	10	34 E	10	34 E	1,000	3,400 E	1,000	3,400 E	1,000	3,400 E	1,000	3,400 E	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

<sup>1</sup> 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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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	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	
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	0.031 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	2.2 E	51	6.3 E	0.18	0.022 E	0.51	0.063 E	NA
METHANOL	67-56-1	490	58 E	1000	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	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	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	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	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	54 E	580	110 E	10,000	5,400 E	10,000	10,000 C	10,000	5,400 E	10,000	10,000 C	NA
METHYL ISOBUTYL KETONE	108-10-1	19	2.9 E	41	6.3 E	1,900	290 E	4,100	630 E	1,900	290 E	4,100	630 E	NA
METHYL METHACRYLATE	80-62-6	190	26 E	410	56 E	10,000	2,600 E	10,000	5,600 E	10,000	2,600 E	10,000	5,600 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
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	2,200	12,000 E	6,100	34,000 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	1,500 E	0.51	3.9 E	2	15 E	15
METHYLNAPHTHALENE, 2-	91-57-6	73	2900 E	200	8000 E	2,500	10,000 C	2,500	10,000 C	73	2,900 E	200	8,000 E	15
METHYLSTYRENE, ALPHA	98-83-9	68	120 E	140	250 E	6,800	12,000 E	14,000	25,000 E	68	120 E	140	250 E	30
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	1000	2300 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	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	0.038 E	0.58	0.1 E	21	3.8 E	58	10 E	0.21	0.038 E	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	29	5.9 E	82	17 E	2,900	590 E	8,200	1,700 E	29,000	5,900 E	82,000	17,000 E	NA
NITROPHENOL, 4-	100-02-7	6	4.1 E	6	4.1 E	600	410 E	600	410 E	6,000	4,100 E	6,000	4,100 E	NA
NITROPROPANE, 2-	79-46-9	0.0016	0.0026 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	0.000076 E	0.01	0.0018 E	0.043	0.0076 E	0.001	0.00018 E	0.0043	0.00076 E	NA
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	0.51 E	NA
NITROSODIPHENYLAMINE, N-	86-30-6	13	20 E	53	83 E	1,300	2,000 E	3,500	5,500 E	3,500	5,500 E	3,500	5,500 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	10000 C	200	10000 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	2,000	10,000 C	2,000	10,000 C	22	130 E	61	360 E	15
PCB-1016 (AROCLOR)	12674-11-2	0.26	72 E	0.72	200 E	25	6,900 E	25	6,900 E	0.26	72 E	0.72	200 E	10
PCB-1221 (AROCLOR)	11104-28-2	0.13	0.63 E	0.52	2.5 E	13	63 E	52	250 E	0.13	0.63 E	0.52	2.50 E	20
PCB-1232 (AROCLOR)	11141-16-5	0.13	0.50 E	0.52	2 E	13	50 E	52	200 E	0.13	0.50 E	0.52	2 E	20
PCB-1242 (AROCLOR)	53469-21-9	0.13	16 E	0.52	62 E	10	1,200 E	10	1,200 E	0.13	16 E	0.52	62 E	10
PCB-1248 (AROCLOR)	12672-29-6	0.037	18 E	0.14	67 E	4	1,800 E	5	2,600 E	0.04	18 E	0.14	67 E	10
PCB-1254 (AROCLOR)	11097-69-1	0.037	75 E	0.14	280 E	4	7,500 E	6	10,000 C	0.04	75 E	0.14	280 E	5
PCB-1260 (AROCLOR)	11096-82-5	0.11	500 E	0.43	1900 E	8	36,000 E	8	36,000 E	0.11	500 E	0.43	1,900 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
PENTACHLORONITROBENZENE	*	0.25	5 E	1	20 E	25	500 E	44	870 E	44	870 E	44	870 E	15

<sup>1</sup> For other options see Section 250.308

All concentrations in mg/kg

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C - Cap

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**APPENDIX A**  
**TABLE 3 - MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN SOIL**  
**B. Soil to Groundwater Numeric Values<sup>1</sup>**

REGULATED SUBSTANCE	CASRN	Used Aquifers								Non-Use Aquifers				Soil Buffer Distance (feet)
		TDS ≤ 2500				TDS > 2500				Residential		Non-Residential		
		Residential	Generic	Non-Residential	Generic	Residential	Generic	Non-Residential	Generic	100 X	Generic	100 X	Generic	
100 X GW MSC	Value	100 X GW MSC	Value	100 X GW MSC	Value	100 X GW MSC	Value	100 X GW MSC	Value	100 X GW MSC	Value	100 X GW MSC	Value	
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	10000 E	110	10000 E	110	10,000 E	110	10,000 E	110	10,000 E	110	10,000 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	7300	2300 E	20000	6200 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	3.1 E	5	3.1 E	500	310 E	500	310 E	5	3.1 E	5	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	9.2 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	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	2200 E	13	2200 E	13	2,200 E	13	2,200 E	13	2,200 E	13	2,200 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	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	0.12 E	0.09	0.12 E	9	12 E	9	12 E	0.09	0.12 E	0.09	0.12 E	30
TETRACHLORO BENZENE, 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
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	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	0.51 E	28	13 E	110	51 E	0.28	0.13 E	1.1	0.51 E	NA
TOLUIDINE, O-	95-53-4	0.28	0.32 E	1.1	1.2 E	28	32 E	110	120 E	280	320 E	1,100	1,200 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	4.4 E	10	4.4 E	1,000	440 E	1,000	440 E	1,000	440 E	1,000	440 E	NA
TRICHLORO-1,2,2-TRIFLUOROETHANE, 1,1,2-	76-13-1	8300	26000 E	17000	53000 E	17,000	53,000 E	17,000	53,000 E	17,000	53,000 E	17,000	53,000 E	20
TRICHLORO BENZENE, 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
TRICHLORO BENZENE, 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	2300 E	1000	6100 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	1.1	3.1 E	3.1	8.9 E	110	310 E	310	890 E	1,100	3,100 E	3,100	8,900 E	20
TRICHLOROPHENOXACETIC 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

<sup>1</sup> For other options see Section 250.308

All concentrations in mg/kg

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**TABLE 3 - MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN SOIL**  
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		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	
TRICHLOROPHOXYPROPIONIC 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	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	2,000 E	160	900 E	350	2,000 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	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	1000	990 E	1000	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

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