

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	[C] E	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

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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	
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 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	3,000	360 E	3,000	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] 0.21	[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 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
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 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] 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 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] 0.000093	[0.38] 0.12 E	0.0011	1.5 E	[0.029] 0.0093	[38] 12 E	0.11	150 E	[0.29] 0.093	[380] 120 E	1.1	1,500 E	5
BENZO[A]ANTHRACENE	56-55-3	[0.09] 0.029	[79] 25 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] 0.029	[120] 40 E	0.12	170 E	0.12	170 E	0.12	170 E	0.12	170 E	0.12	170 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	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	15,000	2,900 E	41,000	7,800 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	[1,100] 1,800	[400] 650 E	[3,100] 5,100	[1,100] 1,800 E	10,000	10,000 C	10,000	10,000 C	[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 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

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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	
[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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		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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		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 C	[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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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	
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	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	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	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	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	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	[2,000] 10,000	[770] 3,900	[970] 3,700	[370] 1,400	[2,000] 10,000	[770] 3,900	[2,000] 10,000	[770] 3,900	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	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	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	6	0.79 E	NA
DICHLORO-2-BUTENE, 1,4-	764-41-0	[0.0016] 0.0012	[0.0009] 0.00067 E	[0.0069] 0.0006	[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] 0.0012	[0.0009] 0.0007 E	[0.0069] 0.0006	[0.0039] 0.0034 E	[0.0069] 0.0006	[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	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	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	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	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	150	8,300 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	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	[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	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	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	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	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	50	7.6 E	NA

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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	
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
DICHLOROPHOXYACETIC ACID, 2,4- (2,4-D)	94-75-7	7	1.8 E	7	1.8 E	700	180 E	700	180 E	<u>[700]</u> <u>7,000</u>	<u>[180]</u> <u>1,800</u>	<u>[700]</u> <u>7,000</u>	<u>[180]</u> <u>1,800</u>	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	<u>[0.052]</u> <u>0.23</u>	<u>[0.012]</u> <u>0.054</u> E	<u>[0.22]</u> <u>0.9</u>	<u>[0.052]</u> <u>0.21</u> E	<u>[5.2]</u> <u>23</u>	<u>[1.2]</u> <u>5.4</u> E	<u>[22]</u> <u>90</u>	<u>[5.2]</u> <u>21</u> E	<u>[0.052]</u> <u>0.23</u>	<u>[0.012]</u> <u>0.054</u> E	<u>[0.22]</u> <u>0.9</u>	<u>[0.052]</u> <u>0.21</u> E	NA
DICYCLOPENTADIENE	77-73-6	<u>[0.055]</u> <u>1.5</u>	<u>[0.12]</u> <u>3.2</u> E	<u>[0.12]</u> <u>6.2</u>	<u>[0.26]</u> <u>13</u> E	<u>[5.5]</u> <u>150</u>	<u>[12]</u> <u>320</u> E	<u>[12]</u> <u>620</u>	<u>[26]</u> <u>1,300</u> E	<u>[0.055]</u> <u>1.2</u>	<u>[0.12]</u> <u>3</u> E	<u>[0.12]</u> <u>6</u>	<u>[0.26]</u> <u>13</u> 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	<u>[500]</u> <u>2,900</u>	<u>[160]</u> <u>910</u> E	<u>[500]</u> <u>8,200</u>	<u>[160]</u> <u>2,600</u> 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	<u>[0.0072]</u> <u>0.006</u>	<u>[0.4]</u> <u>0.33</u> E	<u>[0.028]</u> <u>0.024</u>	<u>[1.5]</u> <u>1.3</u> E	<u>[0.72]</u> <u>0.6</u>	<u>[40]</u> <u>33</u> E	<u>[2.8]</u> <u>2.4</u>	<u>[150]</u> <u>130</u> E	<u>[7.2]</u> <u>6</u>	<u>[400]</u> <u>330</u> E	<u>[28]</u> <u>24</u>	<u>[1,500]</u> <u>1,300</u> 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	<u>[1.9]</u> <u>7.3</u>	<u>[0.21]</u> <u>0.83</u> E	<u>[4.1]</u> <u>20</u>	<u>[0.46]</u> <u>2.3</u> E	<u>[190]</u> <u>730</u>	<u>[21]</u> <u>83</u> E	<u>[410]</u> <u>2,000</u>	<u>[46]</u> <u>230</u> E	<u>[19]</u> <u>7,300</u>	<u>[2.1]</u> <u>830</u> E	<u>[41]</u> <u>20,000</u>	<u>[4.6]</u> <u>2,300</u> 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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		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	[C] [E]	[10,000] 260	[10,000] 29	[C] [E]	[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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		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							
MALATHION	121-75-5	[40] 50	[34] 170	E	[40] 50	[34] 170	E	[1,000] 5,000	[3,400] 10,000	E	[1,000] 5,000	[3,400] 10,000	E	[1,000] 10,000	[3,400] 10,000	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
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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		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	
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	[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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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							
NITROBENZENE	98-95-3	[1.8] 7.3	[0.79] 3.2	E	[5.1] 20	[2.2] 8.7	E	[180] 730	[79] 320	E	[510] 2,000	[220] 870	E	[1,800] 7,300	[790] 3,200	E	[5,100] 10,000	[2,200] 8,700	E	NA
NITROGUANIDINE	556-88-7	70	7.8	E	70	7.8	E	7,000	780	E	7,000	780	E	70	7.8	E	70	7.8	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] 0.0018	[0.00026] 0.00029	E	[0.0068] 0.0093	[0.0011] 0.0015	E	[0.16] 0.18	[0.026] 0.029	E	[0.68] 0.93	[0.11] 0.15	E	[0.016] 0.018	[0.0026] 0.0029	E	[0.068] 0.093	[0.011] 0.015	E	NA
NITROSODIETHYLAMINE, N-	55-18-5	[0.0001] 0.000045	[0.00001] 0.0000079	E	[0.0004] 0.00058	[0.00007] 0.0001	E	[0.01] 0.0045	[0.0018] 0.0008	E	[0.043] 0.058	[0.0076] 0.01	E	[0.001] 0.0004	[0.00018] 0.00008	E	[0.0043] 0.0058	[0.0007] 0.0001	E	NA
NITROSODIMETHYLAMINE, N-	62-75-9	[0.00031] 0.00014	[0.00004] 0.000019	E	[0.0013] 0.0018	[0.00017] 0.00024	E	[0.031] 0.014	[0.0041] 0.0019	E	[0.13] 0.18	[0.017] 0.024	E	[0.003] 0.0014	[0.00041] 0.00019	E	[0.013] 0.018	[0.0017] 0.0024	E	NA
NITROSO-DI-N-BUTYLAMINE, N-	924-16-3	[0.0027] 0.012	[0.0033] 0.015	E	[0.011] 0.048	[0.014] 0.059	E	[0.27] 1.2	[0.33] 1.5	E	[1.1] 4.8	[1.4] 5.9	E	[0.27] 12	[0.33] 15	E	[1.1] 48	[1.4] 59	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	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] 0.0008	[0.00005] 0.000092	E	[0.0019] 0.0096	[0.00022] 0.0011	E	[0.047] 0.08	[0.0054] 0.0092	E	[0.19] 0.96	[0.022] 0.11	E	[0.047] 0.8	[0.0054] 0.092	E	[0.19] 9.6	[0.022] 1.1	E	NA
OCTYL PHTHALATE, DI-N-	117-84-0	[73] 150	10,000	C	[200] 300	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
PARAQUAT	1910-42-5	3	120	E	3	120	E	300	12,000	E	300	12,000	E	3	120	E	3	120	E	15
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] 0.033	[0.63] 0.16	E	[0.52] 0.13	[2.5] 0.63	E	[13] 3.3	[63] 16	E	[52] 13	[250] 63	E	[0.13] 0.033	[0.63] 0.16	E	[0.52] 0.13	[2.5] 0.63	E	20

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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					
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	E	[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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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	
PROMETON	1610-18-0	[40] 40	[9.8] 39 E	[40] 40	[9.8] 39 E	[1,000] 4,000	[980] 3,900 E	[1,000] 4,000	[980] 3,900 E	[10] 40	[9.8] 39 E	[10] 40	[9.8] 39 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		

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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	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					
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] 0.08	[0.0093] 0.026	E	[0.03] 0.43	[0.0093] 0.13	E	[3] 8	[0.93] 2.6	E	[3] 43	[0.93] 13	E	[3] 8	[0.93] 2.6	E	[3] 43	[0.93] 13	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] 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

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All concentrations in mg/kg

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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							
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	100,00	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] 1	[0.96] 1.9	E	[0.5] 1	[0.96] 1.9	E	[50] 100	[96] 190	E	[50] 100	[96] 190	E	[0.5] 1	[0.96] 1.9	E	[0.5] 1	[0.96] 1.9	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

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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	
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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