

DRAFT - FOR CSSAB DISCUSSION PURPOSES ONLY

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								Nonuse Aquifers				Soil Buffer Distance (feet)						
		TDS ≤ 2500				TDS > 2500				Residential		Nonresidential								
		Residential		Nonresidential		Residential		Nonresidential		Residential		Nonresidential								
		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	250	3100	E	380	4700	E	380	4700	E	380	4700	E	380	4700	E	15			
ACENAPHTHYLENE	208-96-8	250	2800	E	700	8000	E	1600	18000	E	1600	18000	E	1600	18000	E	15			
ACEPHATE	30560-19-1	5	0.59	E	14	1.7	E	500	59	E	1400	170	E	5	0.59	E	14	1.7	E	NA
ACETALDEHYDE	75-07-0	1.9	0.23	E	7.9	0.96	E	190	23	E	790	96	E	1.9	0.23	E	7.9	0.96	E	NA
ACETONE	67-64-1	3800	430	E	10000	1200	E	10000	10000	C	10000	10000	C	10000	4300	E	10000	10000	C	NA
ACETONITRILE	75-05-8	13	1.5	E	53	6	E	1300	150	E	5300	600	E	130	15	E	530	60	E	NA
ACETOPHENONE	98-86-2	420	230	E	1200	640	E	10000	10000	C	10000	10000	C	420	230	E	1200	640	E	NA
ACETYLAMINOFLUORENE, 2- (2AAF)	53-96-3	0.019	0.078	E	0.089	0.37	E	1.9	7.8	E	8.9	37	E	19	78	E	89	370	E	20
ACROLEIN	107-02-8	0.0042	0.00047	E	0.018	0.002	E	0.42	0.047	E	1.8	0.2	E	0.042	0.0047	E	0.18	0.02	E	NA
ACRYLAMIDE	79-06-1	0.019	0.0033	E	0.25	0.043	E	1.9	0.33	E	25	4.3	E	0.019	0.0033	E	0.25	0.043	E	NA
ACRYLIC ACID	79-10-7	0.21	0.039	E	0.88	0.16	E	21	3.9	E	88	16	E	21	3.9	E	88	16	E	NA
ACRYLONITRILE	107-13-1	0.072	0.01	E	0.37	0.051	E	7.2	1	E	37	5.1	E	7.2	1	E	37	5.1	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	0.3	0.05	E	0.3	0.05	E	30	5	E	30	5	E	300	50	E	300	50	E	NA
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	0.027	E	NA
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	0.045	E	NA
ALDRIN	309-00-2	0.0043	0.52	E	0.02	2.4	E	0.43	52	E	2	240	E	2	240	E	2	240	E	10
ALLYL ALCOHOL	107-18-6	0.021	0.0025	E	0.088	0.01	E	2.1	0.25	E	8.8	1	E	2.1	0.25	E	8.8	1	E	NA
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
AMINOBIIPHENYL, 4-	92-67-1	0.0035	0.0014	E	0.016	0.0062	E	0.35	0.14	E	1.6	0.62	E	3.5	1.4	E	16	6.2	E	NA
AMITROLE	61-82-5	0.078	0.032	E	0.36	0.15	E	7.8	3.2	E	36	15	E	78	32	E	360	150	E	NA
AMMONIA	7664-41-7	3000	360	E	3000	360	E	10000	10000	C	10000	10000	C	3000	360	E	3000	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	0.21	0.12	E	0.88	0.52	E	21	12	E	88	52	E	0.21	0.12	E	0.88	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	13	15	E	35	40	E	1300	1500	E	3200	3600	E	13	15	E	35	40	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	30	150	E	140	680	E	200	970	E	200	970	E	30	150	E	140	680	E	20
BENTAZON	25057-89-0	20	2.9	E	20	2.9	E	2000	290	E	2000	290	E	20	2.9	E	20	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	0.00098	0.13	E	0.0015	2	E	0.0098	13	E	0.15	200	E	0.098	130	E	1.5	2000	E	5
BENZO[A]ANTHRACENE	56-55-3	0.032	28	E	0.49	430	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	0.019	26	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	0.019	210	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	17000	3200	E	47000	9000	E	190000	52000	E	190000	52000	E	17000	3200	E	47000	9000	E	NA
BENZOTRICHLORIDE	98-07-7	0.0056	0.014	E	0.026	0.063	E	0.56	1.4	E	2.6	6.3	E	0.56	1.4	E	2.6	6.3	E	30
BENZYL ALCOHOL	100-51-6	420	150	E	1200	430	E	10000	10000	C	10000	10000	C	420	150	E	1200	430	E	NA
BENZYL CHLORIDE	100-44-7	0.1	0.059	E	0.51	0.3	E	10	5.9	E	51	30	E	10	5.9	E	51	30	E	NA
BETA PROPIOLACTONE	57-57-8	0.0012	0.00015	E	0.0063	0.00076	E	0.12	0.015	E	0.63	0.076	E	0.012	0.00015	E	0.063	0.0076	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

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REGULATED SUBSTANCE	CASRN	Used Aquifers								Nonuse Aquifers				Soil Buffer Distance (feet)						
		TDS ≤ 2500				TDS > 2500				Residential		Nonresidential								
		Residential		Nonresidential		Residential		Nonresidential		Residential		Nonresidential								
		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, ALPHA	319-84-6	0.012	0.055	E	0.054	0.25	E	1.2	5.5	E	5.4	25	E	12	55	E	54	250	E	20
BHC, BETA-	319-85-7	0.041	0.24	E	0.19	1.1	E	4.1	24	E	10	59	E	10	59	E	10	59	E	15
BHC, GAMMA (LINDANE)	58-89-9	0.02	0.072	E	0.02	0.072	E	2	7.2	E	2	7.2	E	20	72	E	20	72	E	20
BIPHENYL, 1,1-	92-52-4	0.084	0.37	E	0.35	1.5	E	8.4	37	E	35	150	E	8.4	37	E	35	150	E	20
BIS(2-CHLOROETHOXY)METHANE	111-91-1	13	3.4	E	35	9.2	E	1300	340	E	3500	920	E	13	3.4	E	35	9.2	E	NA
BIS(2-CHLOROETHYL)ETHER	111-44-4	0.015	0.0045	E	0.076	0.023	E	1.5	0.45	E	7.6	2.3	E	1.5	0.45	E	7.6	2.3	E	NA
BIS(2-CHLORO-ISOPROPYL)ETHER	108-60-1	30	8	E	30	8	E	3000	800	E	3000	800	E	3000	800	E	3000	800	E	NA
BIS(CHLOROMETHYL)ETHER	542-88-1	0.000079	0.000012	E	0.0004	0.00006	E	0.0079	0.0012	E	0.04	0.006	E	0.0079	0.0012	E	0.04	0.006	E	NA
BIS[2-ETHYLHEXYL] PHTHALATE	117-81-7	0.6	130	E	0.6	130	E	29	6300	E	29	6300	E	29	6300	E	29	6300	E	10
BISPHENOL A	80-05-7	210	810	E	580	2200	E	12000	46000	E	12000	46000	E	12000	46000	E	12000	46000	E	20
BROMACIL	314-40-9	7	1.8	E	7	1.8	E	700	180	E	700	180	E	7	1.8	E	7	1.8	E	NA
BROMOBENZENE	108-86-1	0.006	0.0047	E	0.006	0.0047	E	0.6	0.47	E	0.6	0.47	E	0.006	0.0047	E	0.006	0.0047	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	8	2.7	E	8	2.7	E	800	270	E	800	270	E	8	2.7	E	8	2.7	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	0.71	0.61	E	3.3	2.8	E	71	61	E	330	280	E	0.71	0.61	E	3.3	2.8	E	NA
BROMOXYNIL OCTANOATE	1689-99-2	0.71	32	E	3.3	150	E	8	360	E	8	360	E	8	360	E	8	360	E	15
BUTADIENE, 1,3-	106-99-0	0.12	0.049	E	0.57	0.23	E	12	4.9	E	57	23	E	12	4.9	E	57	23	E	NA
BUTYL ALCOHOL, N-	71-36-3	420	50	E	1200	140	E	10000	5000	E	10000	10000	C	4200	500	E	10000	1400	E	NA
BUTYLATE	2008-41-5	40	58	E	40	58	E	4000	5800	E	4000	5800	E	40	58	E	40	58	E	30
BUTYLBENZENE, N-	104-51-8	210	1300	E	580	3700	E	1500	9500	E	1500	9500	E	210	1300	E	580	3700	E	15
BUTYLBENZENE, SEC-	135-98-8	420	980	E	1200	2800	E	1700	4000	E	1700	4000	E	420	980	E	1200	2800	E	30
BUTYLBENZENE, TERT-	98-06-6	420	760	E	1200	2200	E	3000	5400	E	3000	5400	E	420	760	E	1200	2200	E	30
BUTYLBENZYL PHTHALATE	85-68-7	38	3200	E	180	10000	C	270	10000	C	270	10000	C	270	10000	C	270	10000	C	10
CAPTAN	133-06-2	32	20	E	50	31	E	50	31	E	50	31	E	50	31	E	50	31	E	NA
CARBARYL	63-25-2	420	250	E	1200	700	E	12000	7000	E	12000	7000	E	12000	7000	E	12000	7000	E	NA
CARBAZOLE	86-74-8	3.7	24	E	17	110	E	120	760	E	120	760	E	3.7	24	E	17	110	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	150	130	E	620	530	E	10000	10000	C	10000	10000	C	150	130	E	620	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	7000	5300	E	7000	5300	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	1400	E	5.6	1400	E	5.6	1400	E	5.6	1400	E	10
CHLORO-1,1-DIFLUOROETHANE, 1-	75-68-3	10000	1800	E	10000	7300	E	10000	10000	C	10000	10000	C	10000	1800	E	10000	7300	E	NA
CHLORO-1-PROPENE, 3- (ALLYL CHLORIDE)	107-05-1	0.21	0.049	E	0.88	0.2	E	21	4.9	E	88	20	E	21	4.9	E	88	20	E	NA
CHLOROACETALDEHYDE	107-20-0	0.27	0.032	E	1.3	0.15	E	27	3.2	E	130	15	E	0.27	0.032	E	1.3	0.15	E	NA
CHLOROACETOPHENONE, 2-	532-27-4	0.13	0.039	E	0.35	0.11	E	13	3.9	E	35	11	E	130	39	E	350	110	E	NA
CHLOROANILINE, P-	106-47-8	0.37	0.47	E	1.7	2.1	E	37	47	E	170	210	E	0.37	0.47	E	1.7	2.1	E	NA
CHLOROBENZENE	108-90-7	10	6.1	E	10	6.1	E	1000	610	E	1000	610	E	1000	610	E	1000	610	E	NA
CHLOROBENZILATE	510-15-6	0.66	4.4	E	3.1	20	E	66	440	E	310	2000	E	660	4400	E	1300	8600	E	15
CHLOROBUTANE, 1-	109-69-3	170	270	E	470	730	E	10000	10000	C	10000	10000	C	170	270	E	470	730	E	30
CHLORODIBROMOMETHANE	124-48-1	8	2.5	E	8	2.5	E	800	250	E	800	250	E	800	250	E	800	250	E	NA

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		Residential		Nonresidential		Residential		Nonresidential		Residential		Nonresidential								
		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							
CHLORODIFLUOROMETHANE	75-45-6	10000	2800	E	10000	10000	C	10000	10000	C	10000	10000	C	10000	2800	E	10000	10000	C	NA
CHLOROETHANE	75-00-3	25	5.4	E	120	26	E	2500	540	E	10000	2600	E	2500	540	E	10000	2600	E	NA
CHLOROFORM	67-66-3	8	2	E	8	2	E	800	200	E	800	200	E	80	20	E	80	20	E	NA
CHLORONAPHTHALENE, 2-	91-58-7	330	7000	E	930	20000	E	1200	26000	E	1200	26000	E	330	7000	E	930	20000	E	15
CHLORONITROBENZENE, P-	100-00-5	0.42	0.55	E	1.8	2.4	E	42	55	E	180	240	E	0.42	0.55	E	1.8	2.4	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	0.016	0.0038	E	0.083	0.02	E	1.6	0.38	E	8.3	2	E	1.6	0.38	E	8.3	2	E	NA
CHLOROPROPANE, 2-	75-29-6	21	16	E	88	67	E	2100	1600	E	8800	6700	E	21	16	E	88	67	E	NA
CHLOROTHALONIL	1897-45-6	24	61	E	60	150	E	60	150	E	60	150	E	24	61	E	60	150	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
CHLOROTOLUENE, P-	106-43-4	10	10	E	10	10	E	1000	1000	E	1000	1000	E	10	10	E	10	10	E	NA
CHLORPYRIFOS	2921-88-2	0.2	2.3	E	0.2	2.3	E	20	230	E	20	230	E	0.2	2.3	E	0.2	2.3	E	15
CHLORSULFURON	64902-72-3	83	12	E	230	32	E	8300	1200	E	19000	2600	E	83	12	E	230	32	E	NA
CHLORTHAL-DIMETHYL (DACTHAL) (DCPA)	1861-32-1	7	110	E	7	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	130	23	E	530	92	E	10000	2300	E	10000	9200	E	10000	2300	E	10000	9200	E	NA
CRESOL, 4,6-DINITRO-O-	534-52-1	0.33	0.25	E	0.93	0.7	E	33	25	E	93	70	E	33	25	E	93	70	E	NA
CRESOL, O- (2-METHYLPHENOL)	95-48-7	210	35	E	580	96	E	21000	3500	E	58000	9600	E	21000	3500	E	58000	9600	E	NA
CRESOL, M- (3-METHYLPHENOL)	108-39-4	210	41	E	580	110	E	10000	4100	E	10000	10000	C	10000	10000	C	10000	10000	C	NA
CRESOL, P- (4-METHYLPHENOL)	106-44-5	21	4.9	E	58	14	E	2100	490	E	5800	1400	E	21000	4900	E	58000	14000	E	NA
CRESOL, P-CHLORO-M-	59-50-7	420	870	E	1200	2500	E	42000	87000	E	120000	190000	C	420	870	E	1200	2500	E	30
CROTONALDEHYDE	4170-30-3	0.038	0.0048	E	0.18	0.023	E	3.8	0.48	E	18	2.3	E	3.8	0.48	E	18	2.3	E	NA
CROTONALDEHYDE, TRANS-	123-73-9	0.038	0.0048	E	0.18	0.023	E	3.8	0.48	E	18	2.3	E	3.8	0.48	E	18	2.3	E	NA
CUMENE (ISOPROPYL BENZENE)	98-82-8	84	600	E	350	2500	E	5000	10000	C	5000	10000	C	5000	10000	C	5000	10000	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	1300	1700	E	5300	6900	E	5500	7200	E	5500	7200	E	1300	1700	E	5300	6900	E	NA
CYCLOHEXANONE	108-94-1	150	41	E	620	170	E	10000	4100	E	10000	10000	C	150	41	E	620	170	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	63	200	E	180	560	E	6300	20000	E	18000	56000	E	63	200	E	180	560	E	20
DDD, 4,4'	72-54-8	0.3	33	E	1.4	150	E	16	1800	E	16	1800	E	16	1800	E	16	1800	E	10
DDE, 4,4'	72-55-9	0.21	46	E	1	220	E	4	870	E	4	870	E	4	870	E	4	870	E	10
DDT, 4,4'	50-29-3	0.21	130	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	4000	10000	C	4000	10000	C	10000	10000	C	10000	10000	C	5
DIALATE	2303-16-4	1.2	0.7	E	5.6	3.3	E	120	70	E	560	330	E	1200	700	E	4000	2300	E	NA
DIAMINOTOLUENE, 2,4-	95-80-7	0.018	0.0036	E	0.085	0.017	E	1.8	0.36	E	8.5	1.7	E	18	3.6	E	85	17	E	NA
DIAZINON	333-41-5	0.1	0.14	E	0.1	0.14	E	10	14	E	10	14	E	0.1	0.14	E	0.1	0.14	E	30
DIBENZO[A,H]ANTHRACENE	53-70-3	0.0055	25	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	4.2	110	E	12	310	E	420	11000	E	450	12000	E	420	11000	E	450	12000	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	NA
DIBROMOBENZENE, 1,4-	106-37-6	42	170	E	120	490	E	2000	8200	E	2000	8200	E	42	170	E	120	490	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	0.84	0.32	E	3.5	1.4	E	84	32	E	350	140	E	84	32	E	350	140	E	NA

¹ For other options see Section 250.308

All concentrations in mg/kg

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C - Cap

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DRAFT - FOR CSSAB DISCUSSION PURPOSES ONLY

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								Nonuse Aquifers				Soil Buffer Distance (feet)						
		TDS ≤ 2500				TDS > 2500				Residential		Nonresidential								
		Residential		Nonresidential		Residential		Nonresidential		Residential		Nonresidential								
		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							
DIBUTYL PHTHALATE, N-	84-74-2	420	1700	E	1200	4900	E	10000	10000	C	10000	10000	C	10000	10000	C	20			
DICAMBA	1918-00-9	400	45	E	400	45	E	40000	4500	E	40000	4500	E	400	45	E	400	45	E	NA
DICHLOROACETIC ACID	76-43-6	6	0.79	E	6	0.79	E	600	79	E	600	79	E	6	0.79	E	6	0.79	E	NA
DICHLORO-2-BUTENE, 1,4-	764-41-0	0.0012	0.00067	E	0.006	0.0034	E	0.12	0.067	E	0.6	0.34	E	0.0012	0.00067	E	0.006	0.0034	E	NA
DICHLORO-2-BUTENE, TRANS-1,4-	110-57-6	0.0012	0.00078	E	0.006	0.0039	E	0.12	0.078	E	0.6	0.39	E	0.0012	0.00078	E	0.006	0.0039	E	NA
DICHLOROBENZENE, 1,2-	95-50-1	60	59	E	60	59	E	6000	5900	E	6000	5900	E	6000	5900	E	6000	5900	E	NA
DICHLOROBENZENE, 1,3-	541-73-1	60	61	E	60	61	E	6000	6100	E	6000	6100	E	6000	6100	E	6000	6100	E	NA
DICHLOROBENZENE, P-	106-46-7	7.5	10	E	7.5	10	E	750	1000	E	750	1000	E	750	1000	E	750	1000	E	30
DICHLOROBENZIDINE, 3,3'-	91-94-1	0.16	8.8	E	0.76	42	E	16	880	E	76	4200	E	160	8800	E	310	17000	E	10
DICHLORODIFLUOROMETHANE (FREON 12)	75-71-8	100	100	E	100	100	E	10000	10000	C	10000	10000	C	10000	10000	C	10000	10000	C	NA
DICHLOROETHANE, 1,1-	75-34-3	3.1	0.75	E	16	3.9	E	310	75	E	1600	390	E	31	7.5	E	160	39	E	NA
DICHLOROETHANE, 1,2-	107-06-2	0.5	0.1	E	0.5	0.1	E	50	10	E	50	10	E	5	1	E	5	1	E	NA
DICHLOROETHYLENE, 1,1-	75-35-4	0.7	0.19	E	0.7	0.19	E	70	19	E	70	19	E	7	1.9	E	7	1.9	E	NA
DICHLOROETHYLENE, CIS-1,2-	156-59-2	7	1.6	E	7	1.6	E	700	160	E	700	160	E	70	16	E	70	16	E	NA
DICHLOROETHYLENE, TRANS-1,2-	156-60-5	10	2.3	E	10	2.3	E	1000	230	E	1000	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	2000	1000	E	2000	1000	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	7000	1800	E	7000	1800	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	0.73	0.13	E	3.4	0.61	E	73	13	E	340	61	E	73	13	E	340	61	E	NA
DICHLOROPROPIONIC ACID, 2,2- (DALAPON)	75-99-0	20	5.3	E	20	5.3	E	2000	530	E	2000	530	E	2000	530	E	2000	530	E	NA
DICHLORVOS	62-73-7	0.25	0.059	E	1.2	0.28	E	25	5.9	E	120	28	E	0.25	0.059	E	1.2	0.28	E	NA
DICYCLOPENTADIENE	77-73-6	0.063	0.13	E	0.26	0.56	E	6.3	13	E	26	56	E	0.063	0.13	E	0.26	0.56	E	30
DIENDRIN	60-57-1	0.0046	0.13	E	0.021	0.58	E	0.46	13	E	2.1	58	E	4.6	130	E	17	470	E	15
DIETHYL PHTHALATE	84-66-2	3300	1000	E	9300	2900	E	10000	10000	C	10000	10000	C	10000	10000	C	10000	10000	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	6000	820	E	6000	820	E	60	8.2	E	60	8.2	E	NA
DIMETHOATE	60-51-5	9.2	3.6	E	26	10	E	920	360	E	2600	1000	E	9200	3600	E	26000	10000	E	NA
DIMETHOXYBENZIDINE, 3,3'-	119-90-4	0.046	0.15	E	0.21	0.71	E	4.6	15	E	21	71	E	46	150	E	210	710	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	0.016	0.042	E	0.074	0.19	E	1.6	4.2	E	7.4	19	E	16	42	E	74	190	E	20
DIMETHYLANILINE, N,N-	121-69-7	2.7	1.5	E	13	7.3	E	270	150	E	1300	730	E	270	150	E	1300	730	E	NA
DIMETHYLBENZIDINE, 3,3'-	119-93-7	0.0066	0.36	E	0.031	1.7	E	0.66	36	E	3.1	170	E	6.6	360	E	31	1700	E	10
DIMETHYL METHYLPHOSPHONATE	756-79-6	10	1.2	E	10	1.2	E	1000	120	E	1000	120	E	10	1.2	E	10	1.2	E	NA
DIMETHYLPHENOL, 2,4-	105-67-9	83	36	E	230	100	E	8300	3600	E	10000	10000	C	10000	10000	C	10000	10000	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	8.3	0.94	E	23	2.6	E	830	94	E	2300	260	E	8300	940	E	23000	2600	E	NA
DINITROTOLUENE, 2,4-	121-14-2	0.24	0.057	E	1.1	0.26	E	24	5.7	E	110	26	E	240	57	E	1100	260	E	NA
DINITROTOLUENE, 2,6- (2,6-DNT)	606-20-2	0.049	0.015	E	0.23	0.068	E	4.9	1.5	E	23	6.8	E	49	15	E	230	68	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	0.73	0.095	E	3.4	0.44	E	73	9.5	E	340	44	E	7.3	0.95	E	34	4.4	E	NA
DIPHENAMID	957-51-7	20	12	E	20	12	E	2000	1200	E	2000	1200	E	20	12	E	20	12	E	NA

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B. Soil to Groundwater Numeric Values¹

REGULATED SUBSTANCE	CASRN	Used Aquifers								Nonuse Aquifers				Soil Buffer Distance (feet)						
		TDS ≤ 2500				TDS > 2500				Residential		Nonresidential								
		Residential		Nonresidential		Residential		Nonresidential		Residential		Nonresidential								
		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							
DIPHENYLAMINE	122-39-4	420	250	E	1200	700	E	30000	18000	E	30000	18000	E	30000	18000	E	30000	18000	E	NA
DIPHENYLHYDRAZINE, 1,2-	122-66-7	0.022	0.039	E	0.11	0.19	E	2.2	3.9	E	11	19	E	2.2	3.9	E	11	19	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	0.07	0.18	E	0.07	0.18	E	7	18	E	7	18	E	70	180	E	70	180	E	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	8.3	7.1	E	23	20	E	830	710	E	2300	2000	E	8.3	7.1	E	23	20	E	NA
ENDOSULFAN	115-29-7	25	130	E	48	250	E	48	250	E	48	250	E	48	250	E	48	250	E	15
ENDOSULFAN I (ALPHA)	959-98-8	25	130	E	50	260	E	50	260	E	50	260	E	25	130	E	50	260	E	15
ENDOSULFAN II (BETA)	33213-65-9	25	150	E	45	260	E	45	260	E	45	260	E	25	150	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	1000	410	E	1000	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	0.21	0.042	E	0.88	0.17	E	21	4.2	E	88	17	E	21	4.2	E	88	17	E	NA
ETHEPHON	16672-87-0	21	2.4	E	58	6.7	E	2100	240	E	5800	670	E	21	2.4	E	58	6.7	E	NA
ETHION	563-12-2	2.1	46	E	5.8	130	E	85	1900	E	85	1900	E	2.1	46	E	5.8	130	E	15
ETHOXYETHANOL, 2- (EGEE)	110-80-5	42	5.9	E	180	25	E	4200	590	E	10000	2500	E	4200	590	E	10000	2500	E	NA
ETHYL ACETATE	141-78-6	15	3.9	E	62	16	E	1500	390	E	6200	1600	E	1500	390	E	6200	1600	E	NA
ETHYL ACRYLATE	140-88-5	1.5	0.58	E	7	2.7	E	150	58	E	700	270	E	150	58	E	700	270	E	NA
ETHYL BENZENE	100-41-4	70	46	E	70	46	E	7000	4600	E	7000	4600	E	7000	4600	E	7000	4600	E	NA
ETHYL DIPROPYLTHIOCARBAMATE, S- (EPTC)	759-94-4	210	150	E	580	410	E	10000	10000	C	10000	10000	C	210	150	E	580	410	E	NA
ETHYL ETHER	60-29-7	830	230	E	2300	650	E	10000	10000	C	10000	10000	C	830	230	E	2300	650	E	NA
ETHYL METHACRYLATE	97-63-2	63	10	E	260	43	E	6300	1000	E	10000	4300	E	63	10	E	260	43	E	NA
ETHYLENE CHLORHYDRIN	107-07-3	83	9.5	E	230	26	E	8300	950	E	10000	2600	E	83	9.5	E	230	26	E	NA
ETHYLENE GLYCOL	107-21-1	1400	170	E	1400	170	E	10000	10000	C	10000	10000	C	10000	10000	C	10000	10000	C	NA
ETHYLENE THIOUREA (ETU)	96-45-7	0.33	0.037	E	0.93	0.1	E	33	3.7	E	93	10	E	330	37	E	930	100	E	NA
ETHYLP-NITROPHENYL PHENYLPHOSPHOROTHIOATE	2104-64-5	0.042	0.13	E	0.12	0.37	E	4.2	13	E	12	37	E	0.042	0.13	E	0.12	0.37	E	20
FENAMIPHOS	22224-92-6	0.07	0.06	E	0.07	0.06	E	7	6	E	7	6	E	0.07	0.06	E	0.07	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	3200	E	26	3200	E	26	3200	E	26	3200	E	26	3200	E	26	3200	E	10
FLUORENE	86-73-7	170	3400	E	190	3800	E	190	3800	E	190	3800	E	190	3800	E	190	3800	E	15
FLUOROTRICHLOROMETHANE (FREON 11)	75-69-4	200	87	E	200	87	E	10000	8700	E	10000	8700	E	10000	8700	E	10000	8700	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	10000	1200	E	10000	1200	E	10000	1200	E	10000	1200	E	NA
FORMIC ACID	64-18-6	0.063	0.0071	E	0.26	0.029	E	6.3	0.71	E	26	2.9	E	0.63	0.071	E	2.6	0.29	E	NA
FOSETYL-AL	39148-24-8	10000	8900	E	29000	26000	E	190000	190000	C	190000	190000	C	10000	8900	E	29000	26000	E	NA
FURAN	110-00-9	4.2	1.8	E	12	5.2	E	420	180	E	1200	520	E	420	180	E	1200	520	E	NA
FURFURAL	98-01-1	2.1	0.27	E	9.7	1.2	E	210	27	E	970	120	E	2.1	0.27	E	9.7	1.2	E	NA
GLYPHOSATE	1071-83-6	70	620	E	70	620	E	7000	62000	E	7000	62000	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	110	E	2	110	E	20	1100	E	20	1100	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

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		Residential		Nonresidential		Residential		Nonresidential		Residential		Nonresidential								
		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							
HEXACHLOROBUTADIENE	87-68-3	0.94	11	E	4.4	52	E	94	1100	E	290	3400	E	290	3400	E	290	3400	E	15
HEXACHLOROCYCLOPENTADIENE	77-47-4	5	91	E	5	91	E	180	3300	E	180	3300	E	180	3300	E	180	3300	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	150	1400	E	620	5600	E	950	8700	E	950	8700	E	150	1400	E	620	5600	E	15
HEXAZINONE	51235-04-2	40	8.5	E	40	8.5	E	4000	850	E	4000	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	4.8	E	NA
HYDRAZINE/HYDRAZINE SULFATE	302-01-2	0.001	0.00011	E	0.0051	0.00057	E	0.1	0.011	E	0.51	0.057	E	0.01	0.0011	E	0.051	0.0057	E	NA
HYDROQUINONE	123-31-9	1.2	0.16	E	5.7	0.77	E	120	16	E	570	77	E	1200	160	E	5700	770	E	NA
INDENO[1,2,3-CD]PYRENE	193-39-5	0.019	1500	E	0.28	22000	E	1.9	150000	E	6.2	190000	C	6.2	190000	C	6.2	190000	C	5
IPRODIONE	36734-19-7	1.7	4.9	E	7.7	22	E	170	490	E	770	2200	E	1.7	4.9	E	7.7	22	E	20
ISOBUTYL ALCOHOL	78-83-1	1300	340	E	3500	910	E	10000	10000	C	10000	10000	C	10000	10000	C	10000	10000	C	NA
ISOPHORONE	78-59-1	10	1.9	E	10	1.9	E	1000	190	E	1000	190	E	10000	1900	E	10000	1900	E	NA
ISOPROPYL METHYLPHOSPHONATE	1832-54-8	70	8.1	E	70	8.1	E	7000	810	E	7000	810	E	70	8.1	E	70	8.1	E	NA
KEPONE	143-50-0	0.0073	1	E	0.034	4.7	E	0.73	100	E	3.4	470	E	7.3	1000	E	34	4700	E	10
MALATHION	121-75-5	50	170	E	50	170	E	5000	10000	C	5000	10000	C	10000	10000	C	10000	10000	C	20
MALEIC HYDRAZIDE	123-33-1	400	47	E	400	47	E	40000	4700	E	40000	4700	E	400	47	E	400	47	E	NA
MANEB	12427-38-2	1.2	0.14	E	5.7	0.65	E	120	14	E	570	65	E	1.2	0.14	E	5.7	0.65	E	NA
MERPHOS OXIDE	78-48-8	4.2	560	E	12	1600	E	230	10000	C	230	10000	C	4.2	560	E	12	1600	E	10
METHACRYLONITRILE	126-98-7	0.42	0.069	E	1.2	0.2	E	42	6.9	E	120	20	E	0.42	0.069	E	1.2	0.2	E	NA
METHAMIDOPHOS	10265-92-6	0.21	0.026	E	0.58	0.072	E	21	2.6	E	58	7.2	E	0.21	0.026	E	0.58	0.072	E	NA
METHANOL	67-56-1	4200	500	E	10000	2100	E	10000	10000	C	10000	10000	C	10000	10000	C	10000	10000	C	NA
METHOMYL	16752-77-5	20	3.2	E	20	3.2	E	2000	320	E	2000	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	4.2	0.48	E	18	2	E	420	48	E	1800	200	E	42	4.8	E	180	20	E	NA
METHYL ACETATE	79-20-9	4200	780	E	10000	2200	E	10000	10000	C	10000	10000	C	4200	780	E	10000	2200	E	NA
METHYL ACRYLATE	96-33-3	4.2	1	E	18	4.5	E	420	100	E	1800	450	E	420	100	E	1800	450	E	NA
METHYL CHLORIDE	74-87-3	3	0.38	E	3	0.38	E	300	38	E	300	38	E	300	38	E	300	38	E	NA
METHYL ETHYL KETONE	78-93-3	400	76	E	400	76	E	10000	7600	E	10000	7600	E	10000	7600	E	10000	7600	E	NA
METHYL HYDRAZINE	60-34-4	0.0042	0.00048	E	0.018	0.002	E	0.42	0.048	E	1.8	0.2	E	0.042	0.0048	E	0.18	0.02	E	NA
METHYL ISOBUTYL KETONE	108-10-1	330	51	E	930	140	E	10000	5100	E	10000	10000	C	10000	5100	E	10000	10000	C	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	6.3	1.6	E	26	6.4	E	630	160	E	2600	640	E	6.3	1.6	E	26	6.4	E	NA
METHYL METHACRYLATE	80-62-6	150	20	E	620	84	E	10000	2000	E	10000	8400	E	10000	2000	E	10000	8400	E	NA
METHYL METHANESULFONATE	66-27-3	0.74	0.092	E	3.4	0.42	E	74	9.2	E	340	42	E	0.74	0.092	E	3.4	0.42	E	NA
METHYL PARATHION	298-00-0	0.1	0.21	E	0.1	0.21	E	10	21	E	10	21	E	100	210	E	100	210	E	30
METHYL STYRENE (MIXED ISOMERS)	25013-15-4	8.4	47	E	35	200	E	840	4700	E	3500	10000	C	8.4	47	E	35	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
METHYLCHLOROPHOXYACETIC ACID (MCPA)	94-74-6	3	1.2	E	3	1.2	E	300	120	E	300	120	E	3000	1200	E	3000	1200	E	NA
METHYLENE BIS(2-CHLOROANILINE), 4,4'-	101-14-4	0.23	1.8	E	3.4	26	E	23	180	E	340	2600	E	0.23	1.8	E	3.4	26	E	15
METHYLNAPHTHALENE, 2-	91-57-6	0.63	25	E	2.6	100	E	63	2500	E	260	10000	E	0.63	25	E	2.6	100	E	15
METHYLSTYRENE, ALPHA	98-83-9	290	510	E	820	1400	E	10000	10000	C	10000	10000	C	290	510	E	820	1400	E	30

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B. Soil to Groundwater Numeric Values¹

REGULATED SUBSTANCE	CASRN	Used Aquifers								Nonuse Aquifers				Soil Buffer Distance (feet)						
		TDS ≤ 2500				TDS > 2500				Residential		Nonresidential								
		Residential		Nonresidential		Residential		Nonresidential		Residential		Nonresidential								
		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							
METOLACHLOR	51218-45-2	70	40	E	70	40	E	7000	4000	E	7000	4000	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	6	0.67	E	6	0.67	E	600	67	E	600	67	E	6	0.67	E	6	0.67	E	NA
NAPHTHALENE	91-20-3	10	25	E	10	25	E	1000	2500	E	1000	2500	E	1000	2500	E	1000	2500	E	30
NAPHTHYLAMINE, 1-	134-32-7	0.041	0.33	E	0.19	1.5	E	4.1	33	E	19	150	E	4.1	33	E	19	150	E	15
NAPHTHYLAMINE, 2-	91-59-8	0.041	0.013	E	0.19	0.062	E	4.1	1.3	E	19	6.2	E	41	13	E	190	62	E	NA
NAPROPAMIDE	15299-99-7	500	1200	E	1400	3200	E	7000	16000	E	7000	16000	E	500	1200	E	1400	3200	E	30
NITROANILINE, O-	88-74-4	0.011	0.002	E	0.044	0.0079	E	1.1	0.2	E	4.4	0.79	E	0.011	0.002	E	0.044	0.0079	E	NA
NITROANILINE, P-	100-01-6	3.7	0.55	E	17	2.5	E	370	55	E	1700	250	E	3.7	0.55	E	17	2.5	E	NA
NITROBENZENE	98-95-3	0.12	0.052	E	0.63	0.27	E	12	5.2	E	63	27	E	12	5.2	E	63	27	E	NA
NITROGUANIDINE	556-88-7	70	7.8	E	70	7.8	E	7000	780	E	7000	780	E	70	7.8	E	70	7.8	E	NA
NITROPHENOL, 2-	88-75-5	33	6.7	E	93	19	E	3300	670	E	9300	1900	E	3300	670	E	9300	1900	E	NA
NITROPHENOL, 4-	100-02-7	6	4.1	E	6	4.1	E	600	410	E	600	410	E	600	410	E	600	410	E	NA
NITROPROPANE, 2-	79-46-9	0.0018	0.00029	E	0.0093	0.0015	E	0.18	0.029	E	0.93	0.15	E	0.018	0.0029	E	0.093	0.015	E	NA
NITROSODIETHYLAMINE, N-	55-18-5	0.000045	0.0000079	E	0.00058	0.0001	E	0.0045	0.00079	E	0.058	0.01	E	0.00045	0.000079	E	0.0058	0.0001	E	NA
NITROSODIMETHYLAMINE, N-	62-75-9	0.00014	0.000019	E	0.0018	0.00024	E	0.014	0.0019	E	0.18	0.024	E	0.0014	0.00019	E	0.018	0.0024	E	NA
NITROSO-DI-N-BUTYLAMINE, N-	924-16-3	0.0031	0.0038	E	0.016	0.02	E	0.31	0.38	E	1.6	2	E	0.31	0.38	E	1.6	2	E	NA
NITROSODI-N-PROPYLAMINE, N-	621-64-7	0.0025	0.00035	E	0.013	0.0018	E	0.25	0.035	E	1.3	0.18	E	0.025	0.0035	E	0.13	0.018	E	NA
NITROSODIPHENYLAMINE, N-	86-30-6	1.9	3	E	9.6	15	E	190	300	E	960	1500	E	190	300	E	960	1500	E	30
NITROSO-N-ETHYLUREA, N-	759-73-9	0.00084	0.000097	E	0.013	0.0015	E	0.084	0.0097	E	1.3	0.15	E	0.84	0.097	E	13	1.5	E	NA
OCTYL PHTHALATE, DI-N-	117-84-0	42	10000	C	120	10000	C	300	10000	C	300	10000	C	300	10000	C	300	10000	C	5
OXAMYL (VYDATE)	23135-22-0	20	2.6	E	20	2.6	E	2000	260	E	2000	260	E	20	2.6	E	20	2.6	E	NA
PARAQUAT	1910-42-5	3	120	E	3	120	E	300	12000	E	300	12000	E	3	120	E	3	120	E	15
PARATHION	56-38-2	25	150	E	70	410	E	2000	10000	C	2000	10000	C	25	150	E	70	410	E	15
PCB-1016 (AROCLOR)	12674-11-2	0.037	10	E	0.17	47	E	3.7	1000	E	17	4700	E	0.037	10	E	0.17	47	E	10
PCB-1221 (AROCLOR)	11104-28-2	0.037	0.18	E	0.17	0.83	E	3.7	18	E	17	83	E	0.037	0.18	E	0.17	0.83	E	20
PCB-1232 (AROCLOR)	11141-16-5	0.037	0.14	E	0.17	0.66	E	3.7	14	E	17	66	E	0.037	0.14	E	0.17	0.66	E	20
PCB-1242 (AROCLOR)	53469-21-9	0.037	4.4	E	0.17	20	E	3.7	440	E	10	1200	E	0.037	4.4	E	0.17	20	E	10
PCB-1248 (AROCLOR)	12672-29-6	0.037	18	E	0.17	81	E	3.7	1800	E	5.4	2600	E	0.037	18	E	0.17	81	E	10
PCB-1254 (AROCLOR)	11097-69-1	0.037	75	E	0.17	340	E	3.7	7500	E	5.7	10000	C	0.037	75	E	0.17	340	E	5
PCB-1260 (AROCLOR)	11096-82-5	0.037	170	E	0.17	770	E	3.7	17000	E	8	36000	E	0.037	170	E	0.17	770	E	5
PEBULATE	1114-71-2	210	350	E	580	980	E	9200	10000	C	9200	10000	C	210	350	E	580	980	E	30
PENTACHLORO BENZENE	608-93-5	3.3	260	E	9.3	750	E	74	5900	E	74	5900	E	74	5900	E	74	5900	E	10
PENTACHLOROETHANE	76-01-7	0.81	3.9	E	3.8	19	E	81	390	E	380	1900	E	0.81	3.9	E	3.8	19	E	20
PENTACHLORONITROBENZENE	82-68-8	0.28	5.6	E	1.3	26	E	28	560	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	5000	E	100	5000	E	10
PERFLUOROCTANE SULFONATE (PFOS)	1763-23-1	0.007	0.00082	E	0.007	0.00082	E	0.7	0.082	E	0.7	0.082	E	0.007	0.00082	E	0.007	0.00082	E	NA
PERFLUOROCTANOIC ACID (PFOA)	335-67-1	0.007	0.00081	E	0.007	0.00081	E	0.7	0.081	E	0.7	0.081	E	0.007	0.00081	E	0.007	0.00081	E	NA
PHENACETIN	62-44-2	33	13	E	150	58	E	3300	1300	E	15000	5800	E	33000	13000	E	76000	29000	E	NA
PHENANTHRENE	85-01-8	110	10000	E	110	10000	E	110	10000	E	110	10000	E	110	10000	E	110	10000	E	10
PHENOL	108-95-2	200	33	E	200	33	E	20000	3300	E	20000	3300	E	20000	3300	E	20000	3300	E	NA
PHENYL MERCAPTAN	108-98-5	4.2	6.4	E	12	18	E	420	640	E	1200	1800	E	4.2	6.4	E	12	18	E	30

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REGULATED SUBSTANCE	CASRN	Used Aquifers								Nonuse Aquifers				Soil Buffer Distance (feet)						
		TDS ≤ 2500				TDS > 2500				Residential		Nonresidential								
		Residential		Nonresidential		Residential		Nonresidential		Residential		Nonresidential								
		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							
PHENYLENEDIAMINE, M-	108-45-2	25	3.5	E	70	9.9	E	2500	350	E	7000	990	E	25000	3500	E	70000	9900	E	NA
PHENYLPHENOL, 2-	90-43-7	38	550	E	180	2600	E	3800	55000	E	18000	190000	C	38000	190000	C	70000	190000	C	15
PHORATE	298-02-2	0.83	1.8	E	2.3	4.9	E	83	180	E	230	490	E	0.83	1.8	E	2.3	4.9	E	30
PHTHALIC ANHYDRIDE	85-44-9	4.2	1.3	E	18	5.6	E	420	130	E	1800	560	E	420	130	E	1800	560	E	NA
PICLORAM	1918-02-1	50	7.4	E	50	7.4	E	5000	740	E	5000	740	E	50	7.4	E	50	7.4	E	NA
PROMETON	1610-18-0	40	39	E	40	39	E	4000	3900	E	4000	3900	E	40	39	E	40	39	E	NA
PRONAMIDE	23950-58-5	310	190	E	880	540	E	1500	920	E	1500	920	E	310	190	E	880	540	E	NA
PROPACHLOR	1918-16-7	0.01	0.0046	E	0.01	0.0046	E	1	0.46	E	1	0.46	E	1	0.46	E	1	0.46	E	NA
PROPANIL	709-98-8	21	11	E	58	30	E	2100	1100	E	5800	3000	E	21	11	E	58	30	E	NA
PROPANOL, 2- (ISOPROPYL ALCOHOL)	67-63-0	42	7.3	E	180	31	E	4200	730	E	10000	3100	E	42	7.3	E	180	31	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	10	2.4	E	10	2.4	E	1000	240	E	1000	240	E	10	2.4	E	10	2.4	E	NA
PROPYLBENZENE, N-	103-65-1	210	400	E	880	1700	E	5200	9900	E	5200	9900	E	210	400	E	880	1700	E	30
PROPYLENE OXIDE	75-56-9	0.3	0.052	E	1.4	0.24	E	30	5.2	E	140	24	E	0.3	0.052	E	1.4	0.24	E	NA
PYRENE	129-00-0	13	2200	E	13	2200	E	13	2200	E	13	2200	E	13	2200	E	13	2200	E	10
PYRIDINE	110-86-1	4.2	0.47	E	12	1.3	E	420	47	E	1200	130	E	42	4.7	E	120	13	E	NA
QUINOLINE	91-22-5	0.024	0.081	E	0.11	0.37	E	2.4	8.1	E	11	37	E	24	81	E	110	370	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	8300	970	E	23000	2700	E	190000	97000	E	190000	190000	C	8300	970	E	23000	2700	E	NA
RONNEL	299-84-3	210	330	E	580	910	E	4000	6200	E	4000	6200	E	210	330	E	580	910	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	1.3	1.1	E	3.5	2.8	E	130	110	E	350	280	E	1300	1100	E	3500	2800	E	NA
STYRENE	100-42-5	10	24	E	10	24	E	1000	2400	E	1000	2400	E	1000	2400	E	1000	2400	E	30
TEBUTHIURON	34014-18-1	50	83	E	50	83	E	5000	8300	E	5000	8300	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	0.04	0.055	E	0.04	0.055	E	4	5.5	E	4	5.5	E	0.04	0.055	E	0.04	0.055	E	30
TETRACHLORO BENZENE, 1,2,4,5-	95-94-3	1.3	6	E	3.5	16	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	0.084	0.026	E	0.43	0.13	E	8.4	2.6	E	43	13	E	8.4	2.6	E	43	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	130	2000	E	350	5500	E	13000	190000	C	18000	190000	C	18000	190000	C	18000	190000	C	15
TETRAETHYL LEAD	78-00-2	0.00042	0.0052	E	0.0012	0.015	E	0.042	0.52	E	0.12	1.5	E	0.42	5.2	E	1.2	15	E	15
TETRAETHYLDITHIOPYROPHOSPHATE	3689-24-5	2.1	3.1	E	5.8	8.6	E	210	310	E	580	860	E	2.1	3.1	E	5.8	8.6	E	30
TETRAHYDROFURAN	109-99-9	2.5	0.55	E	13	2.8	E	250	55	E	1300	280	E	2.5	0.55	E	13	2.8	E	NA
THIOFANOX	39196-18-4	1.3	0.14	E	3.5	0.39	E	130	14	E	350	39	E	1.3	0.14	E	3.5	0.39	E	NA
THIRAM	137-26-8	63	160	E	180	470	E	3000	7800	E	3000	7800	E	63	160	E	180	470	E	20
TOLUENE	108-88-3	100	44	E	100	44	E	10000	4400	E	10000	4400	E	10000	4400	E	10000	4400	E	NA
TOLUIDINE, M-	108-44-1	4.6	2.1	E	21	9.7	E	460	210	E	2100	970	E	4.6	2.1	E	21	9.7	E	NA
TOLUIDINE, O-	95-53-4	4.6	5.2	E	21	24	E	460	520	E	2100	2400	E	4600	5200	E	10000	10000	C	NA
TOLUIDINE, P-	106-49-0	2.4	2.2	E	11	10	E	240	220	E	1100	1000	E	2.4	2.2	E	11	10	E	NA

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		Residential		Nonresidential		Residential		Nonresidential		Residential		Nonresidential								
		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							
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	0.1	0.51	E	0.47	2.4	E	10	51	E	47	240	E	0.1	0.51	E	0.47	2.4	E	15
TRIBROMOMETHANE (BROMOFORM)	75-25-2	8	3.5	E	8	3.5	E	800	350	E	800	350	E	800	350	E	800	350	E	NA
TRICHLORO-1,2,2-TRIFLUOROETHANE, 1,1,2-	76-13-1	6300	10000	C	10000	10000	C	10000	10000	C	10000	10000	C	10000	10000	C	10000	10000	C	20
TRICHLOROACETIC ACID	76-03-9	6	0.97	E	6	0.97	E	600	97	E	600	97	E	6	0.97	E	6	0.97	E	NA
TRICHLOROBENZENE, 1,2,4-	120-82-1	7	27	E	7	27	E	700	2700	E	700	2700	E	700	2700	E	700	2700	E	20
TRICHLOROBENZENE, 1,3,5-	108-70-3	4	31	E	4	31	E	400	3100	E	400	3100	E	4	31	E	4	31	E	15
TRICHLOROETHANE, 1,1,1-	71-55-6	20	7.2	E	20	7.2	E	2000	720	E	2000	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	420	2600	E	1200	7300	E	42000	190000	C	100000	190000	C	100000	190000	C	100000	190000	C	15
TRICHLOROPHENOL, 2,4,6-	88-06-2	4.2	12	E	12	34	E	420	1200	E	1200	3400	E	4200	12000	E	12000	34000	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	7000	1500	E	7000	1500	E	NA
TRICHLOROPHENOXYPROPIONIC ACID, 2,4,5- (2,4,5-TP)(SILVEX)	93-72-1	5	22	E	5	22	E	500	2200	E	500	2200	E	5	22	E	5	22	E	20
TRICHLOROPROPANE, 1,1,2-	598-77-6	21	3.6	E	58	9.9	E	2100	360	E	5800	990	E	21	3.6	E	58	9.9	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	0.063	0.037	E	0.26	0.15	E	6.3	3.7	E	26	15	E	0.063	0.037	E	0.26	0.15	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
TRIETHYLENE GLYCOL	112-27-6	8300	1000	E	10000	2900	E	10000	10000	C	10000	10000	C	8300	1000	E	10000	2900	E	NA
TRIFLURALIN	1582-09-8	1	1.9	E	1	1.9	E	100	190	E	100	190	E	1	1.9	E	1	1.9	E	30
TRIMETHYLBENZENE, 1,3,4- (TRIMETHYLBENZENE, 1,2,4-)	95-63-6	13	73	E	53	300	E	1300	7300	E	5300	10000	C	1300	7300	E	5300	10000	C	15
TRIMETHYLBENZENE, 1,3,5-	108-67-8	13	23	E	53	93	E	1300	2300	E	4900	8600	E	13	23	E	53	93	E	30
TRINITROGLYCEROL (NITROGLYCERIN)	55-63-0	0.5	0.2	E	0.5	0.2	E	50	20	E	50	20	E	50	20	E	50	20	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	42	5	E	180	21	E	4200	500	E	10000	2100	E	42	5	E	180	21	E	NA
VINYL BROMIDE (BROMOETHENE)	593-60-2	0.15	0.073	E	0.78	0.38	E	15	7.3	E	78	38	E	1.5	0.73	E	7.8	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	1.3	3.1	E	3.5	8.4	E	130	310	E	350	840	E	1300	3100	E	1700	4100	E	30
XYLENES (TOTAL)	1330-20-7	1000	990	E	1000	990	E	10000	10000	C	10000	10000	C	10000	10000	C	10000	10000	C	NA
ZINEB	12122-67-7	210	33	E	580	92	E	1000	160	E	1000	160	E	210	33	E	580	92	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