

DRAFT – FOR CSSAB DISCUSSION PURPOSES ONLY

Appendix A

Table 1 – Medium-Specific Concentrations (MSCs) for Organic Regulated Substances in Groundwater

Regulated Substance	CASRN	Used Aquifers				Nonuse Aquifers	
		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR		
ACENAPHTHENE	83-32-9	[2,200] 2,500	G 3,800 S	3,800 S	3,800 S	3,800 S	3,800 S
ACENAPHTHYLENE	208-96-8	[2,200] 2,500	G [6,100] 7,000 G	16,000 S	16,000 S	16,000 S	16,000 S
ACEPHATE	30560-19-1	[76] 84	G [300] 390 G	[7,600] 8,400	G [30,000] 39,000 G	[76] 84	G [300] 390 G
ACETALDEHYDE	75-07-0	19 N	79 N	1,900 N	7,900 N	19 N	79 N
ACETONE	67-64-1	[33,000] 38,000	G [92,000] 110,000 G	[3,300,000] 3,800,000	G [9,200,000] 11,000,000 G	[330,000] 380,000	G [920,000] 1,100,000 G
ACETONITRILE	75-05-8	130 N	530 N	13,000 N	53,000 N	1,300 N	5,300 N
ACETOPHENONE	98-86-2	[3,700] 4,200	G [10,000] 12,000 G	[370,000] 420,000	G [1,000,000] 1,200,000 G	[3,700] 4,200	G [10,000] 12,000 G
ACETYLAMINOFLUORENE, 2- (2AAF)	53-96-3	[0.17] 0.19	G [0.68] 0.89 G	[17] 19	G [68] 89 G	[170] 190	G [680] 890 G
ACROLEIN	107-02-8	0.042 N	0.18 N	4.2 N	18 N	0.42 N	1.8 N
ACRYLAMIDE	79-06-1	[0.038] 0.19	N [0.19] 2.5 N	[3.8] 19	N [19] 250 N	[0.038] 0.19	N [0.19] 2.5 N
ACRYLIC ACID	79-10-7	2.1 N	8.8 N	210 N	880 N	210 N	880 N
ACRYLONITRILE	107-13-1	0.72 N	3.7 N	72 N	370 N	72 N	370 N
ALACHLOR	15972-60-8	2 M	2 M	200 M	200 M	2 M	2 M
ALDICARB	116-06-3	3 M	3 M	300 M	300 M	3,000 M	3,000 M
ALDICARB SULFONE	1646-88-4	2 M	2 M	200 M	200 M	2 M	2 M
ALDICARB SULFOXIDE	1646-87-3	4 M	4 M	400 M	400 M	4 M	4 M
ALDRIN	309-00-2	[0.039] 0.43	G [0.15] 0.2 G	[3.9] 4.3	G [15] 20 G	20 S	20 S
ALLYL ALCOHOL	107-18-6	[0.63] 0.21	N [2.6] 0.88 N	[63] 21	N [260] 88 N	[63] 21	N [260] 88 N
AMETRYN	834-12-8	60 H	60 H	6,000 H	6,000 H	60 H	60 H
AMINOBIIPHENYL, 4-	92-67-1	[0.031] 0.035	G [0.12] 0.16 G	[3.1] 3.5	G [12] 16 G	[31] 35	G [120] 160 G
AMITROLE	61-82-5	[0.7] 0.78	G [2.8] 3.6 G	[70] 78	G [280] 360 G	[700] 780	G [2,800] 3,600 G
AMMONIA	7664-41-7	30,000 H	30,000 H	3,000,000 H	3,000,000 H	30,000 H	30,000 H
AMMONIUM SULFAMATE	7773-06-0	2,000 H	2,000 H	200,000 H	200,000 H	2,000 H	2,000 H

All concentrations in µg/L

M = Maximum Contaminant Level

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		R	NR	R	NR		
ANILINE	62-53-3	2.1 N	8.8 N	210 N	880 N	2.1 N	8.8 N
ANTHRACENE	120-12-7	66 S	66 S	66 S	66 S	66 S	66 S
ATRAZINE	1912-24-9	3 M	3 M	300 M	300 M	3 M	3 M
AZINPHOS-METHYL (GUTHION)	86-50-0	[110] <u>130</u> G	[310] <u>350</u> G	[11,000] <u>13,000</u> G	[31,000] <u>32,000</u>] G S	[110] <u>130</u> G	[310] <u>350</u> G
BAYGON (PROPOXUR)	114-26-1	3 H	3 H	300 H	300 H	3,000 H	3,000 H
BENOMYL	17804-35-2	[1,800] <u>2,000</u>] G S	2,000 S	2,000 S	2,000 S	[1,800] <u>2,000</u>] G S	2,000 S
BENTAZON	25057-89-0	200 H	200 H	20,000 H	20,000 H	200 H	200 H
BENZENE	71-43-2	5 M	5 M	500 M	500 M	500 M	500 M
BENZIDINE	92-87-5	[0.00093] <u>0.00098</u> G	[0.011] <u>0.015</u> G	[0.093] <u>0.098</u> G	[1.1] <u>1.5</u> G	[0.93] <u>0.98</u> G	[11] <u>15</u> G
BENZO[A]ANTHRACENE	56-55-3	[0.29] <u>0.32</u> G	[3.6] <u>4.9</u> G	11 S	11 S	11 S	11 S
BENZO[A]PYRENE	50-32-8	0.2 M	0.2 M	3.8 S	3.8 S	3.8 S	3.8 S
BENZO[B]FLUORANTHENE	205-99-2	[0.29] <u>0.31</u> G	1.2 S	1.2 S	1.2 S	1.2 S	1.2 S
BENZO[GHI]PERYLENE	191-24-2	0.26 S	0.26 S	0.26 S	0.26 S	0.26 S	0.26 S
BENZO[K]FLUORANTHENE	207-08-9	0.55 S	0.55 S	0.55 S	0.55 S	0.55 S	0.55 S
BENZOIC ACID	65-85-0	[150,000] <u>170,000</u> G	[410,000] <u>470,000</u> G	2,700,000 S	2,700,000 S	[150,000] <u>170,000</u> G	[410,000] <u>470,000</u> G
BENZOTRICHLORIDE	98-07-7	[0.051] <u>0.056</u> G	[0.2] <u>0.26</u> G	[5.1] <u>5.6</u> G	[20] <u>26</u> G	[51] <u>56</u> G	[200] <u>260</u> G
BENZYL ALCOHOL	100-51-6	[18,000] <u>4,200</u> G	[51,000] <u>12,000</u> G	[1,800,000] <u>420,000</u> G	[5,100,000] <u>1,200,000</u> G	[18,000] <u>4,200</u> G	[51,000] <u>12,000</u> G
BENZYL CHLORIDE	100-44-7	1 N	5.1 N	100 N	510 N	100 N	510 N
BETA PROPIOLACTONE	57-57-8	0.012 N	0.063 N	1.2 N	6.3 N	0.12 N	0.63 N
BHC, ALPHA-	319-84-6	[0.1] <u>0.12</u> G	[0.41] <u>0.54</u> G	[10] <u>12</u> G	[41] <u>54</u> G	[100] <u>120</u> G	[410] <u>540</u> G
BHC, BETA-	319-85-7	[0.37] <u>0.41</u> G	[1.4] <u>1.9</u> G	[37] <u>41</u> G	100 S	100 S	100 S
BHC, GAMMA (LINDANE)	58-89-9	0.2 M	0.2 M	20 M	20 M	200 M	200 M
BIPHENYL, 1,1-	92-52-4	[1,800] <u>91</u> G	[5,100] <u>430</u> G	7,200 S	7,200 S	7,200 S	7,200 S
BIS(2-CHLOROETHOXY)METHANE	111-91-1	[110] <u>130</u> G	[310] <u>350</u> G	[11,000] G	[31,000] G	[110] <u>130</u> G	[310] <u>350</u> G

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		R	NR	R	NR		
				13,000	35,000		
BIS(2-CHLOROETHYL)ETHER	111-44-4	0.15 N	0.76 N	15 N	76 N	15 N	76 N
BIS(2-CHLORO-ISOPROPYL)ETHER	108-60-1	300 H	300 H	30,000 H	30,000 H	30,000 H	30,000 H
BIS(CHLOROMETHYL)ETHER	542-88-1	0.00079 N	0.004 N	0.079 N	0.4 N	0.079 N	0.4 N
BIS[2-ETHYLHEXYL] PHTHALATE	117-81-7	6 M	6 M	290 S	290 S	290 S	290 S
BISPHENOL A	80-05-7	[1,800] 2,100 G	[5,100] 5,800 G	120,000 S	120,000 S	120,000 S	120,000 S
BROMACIL	314-40-9	70 H	70 H	7,000 H	7,000 H	70 H	70 H
BROMOCHLOROMETHANE	74-97-5	90 H	90 H	9,000 H	9,000 H	90 H	90 H
BROMODICHLOROMETHANE (THM)	75-27-4	80 M	80 M	8,000 M	8,000 M	80 M	80 M
BROMOMETHANE	74-83-9	10 H	10 H	1,000 H	1,000 H	1,000 H	1,000 H
BROMOXYNIL	1689-84-5	[730] 830 G	[2,000] 2,300 G	[73,000] 83,000 G	130,000 S	[730] 830 G	[2,000] 2,300 G
BROMOXYNIL OCTANOATE	1689-99-2	80 S	80 S	80 S	80 S	80 S	80 S
BUTADIENE, 1,3-	106-99-0	[0.19] 0.21 G	[0.76] 1 G	[19] 21 G	[76] 100 G	[19] 21 G	[76] 100 G
BUTYL ALCOHOL, N-	71-36-3	[3,700] 4,200 G	[10,000] 12,000 G	[370,000] 420,000 G	[1,000,000 1,200,000] G	[37,000] 42,000 G	[100,000] 120,000 G
BUTYLATE	2008-41-5	400 H	400 H	40,000 H	40,000 H	400 H	400 H
BUTYLBENZENE, N-	104-51-8	[1,500] 2,100 G	[4,100] 5,800 G	15,000 S	15,000 S	[1,500] 2,100 G	[4,100] 5,800 G
BUTYLBENZENE, SEC-	135-98-8	[1,500] 4,200 G	[4,100] 12,000 G	17,000 S	17,000 S	[1,500] 4,200 G	[4,100] 12,000 G
BUTYLBENZENE, TERT-	98-06-6	[1,500] 4,200 G	[4,100] 12,000 G	30,000 S	30,000 S	[1,500] 4,200 G	[4,100] 12,000 G
BUTYLBENZYL PHTHALATE	85-68-7	[350] 380 G	[1,400] 1,800 G	2,700 S	2,700 S	2,700 S	2,700 S
CAPTAN	133-06-2	[290] 320 G	500 S	500 S	500 S	500 S	500 S
CARBARYL	63-25-2	[3,700] 4,200 G	[10,000] 12,000 G	120,000 S	120,000 S	120,000 S	120,000 S
CARBAZOLE	86-74-8	[33] 37 G	[130] 170 G	1,200 S	1,200 S	[1,200] 37 S	[1,200] 170 S
CARBOFURAN	1563-66-2	40 M	40 M	4,000 M	4,000 M	40 M	40 M
CARBON DISULFIDE	75-15-0	1,500 N	6,200 N	150,000 N	620,000 N	1,500 N	6,200 N

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CARBON TETRACHLORIDE	56-23-5	5 M	5 M	500 M	500 M	50 M	50 M
CARBOXIN	5234-68-4	700 H	700 H	70,000 H	70,000 H	700 H	700 H
CHLORAMBEN	133-90-4	100 H	100 H	10,000 H	10,000 H	100 H	100 H
CHLORDANE	57-74-9	2 M	2 M	56 S	56 S	56 S	56 S
CHLORO-1,1-DIFLUOROETHANE, 1-	75-68-3	110,000 N	440,000 N	1,400,000 S	1,400,000 S	110,000 N	440,000 N
CHLORO-1-PROPENE, 3- (ALLYL CHLORIDE)	107-05-1	2.1 N	8.8 N	210 N	880 N	210 N	880 N
CHLOROACETALDEHYDE	107-20-0	2.4 G	11 G	240 G	1,100 G	2.4 G	11 G
CHLOROACETOPHENONE, 2-	532-27-4	[1.1] <u>1.3</u> G	[3.1] <u>3.5</u> G	[110] <u>130</u> G	[310] <u>350</u> G	[1,100] <u>1,300</u> G	[3,100] <u>3,500</u> G
CHLOROANILINE, P-	106-47-8	[3.3] <u>3.7</u> G	[13] <u>17</u> G	[330] <u>370</u> G	[1,300] <u>1,700</u> G	[3.3] <u>3.7</u> G	[13] <u>17</u> G
CHLOROBENZENE	108-90-7	100 M	100 M	10,000 M	10,000 M	10,000 M	10,000 M
CHLOROBENZILATE	510-15-6	[6] <u>6.6</u> G	[24] <u>31</u> G	[600] <u>660</u> G	[2,400] <u>3,100</u> G	[6,000] <u>6,600</u> G	13,000 S
CHLOROBUTANE, 1-	109-69-3	[1,500] <u>1,700</u> G	[4,100] <u>4,700</u> G	[150,000] <u>170,000</u> G	[410,000] <u>470,000</u> G	[1,500] <u>1,700</u> G	[4,100] <u>4,700</u> G
CHLORODIBROMOMETHANE (THM)	124-48-1	80 M	80 M	8,000 M	8,000 M	8,000 M	8,000 M
CHLORODIFLUOROMETHANE	75-45-6	110,000 N	440,000 N	2,900,000 S	2,900,000 S	110,000 N	440,000 N
CHLOROETHANE	75-00-3	[230] <u>250</u> G	[900] <u>1,200</u> G	[23,000] <u>25,000</u> G	[90,000] <u>120,000</u> G	[23,000] <u>25,000</u> G	[90,000] <u>120,000</u> G
CHLOROFORM (THM)	67-66-3	80 M	80 M	8,000 M	8,000 M	800 M	800 M
CHLORONAPHTHALENE, 2-	91-58-7	[2,900] <u>3,300</u> G	[8,200] <u>9,300</u> G	12,000 S	12,000 S	[2,900] <u>3,300</u> G	[8,200] <u>9,300</u> G
CHLORONITROBENZENE, P-	100-00-5	[37] <u>42</u> G	[100] <u>120</u> G	[3,700] <u>4,200</u> G	[10,000] <u>12,000</u> G	[37] <u>42</u> G	[100] <u>120</u> G
CHLOROPHENOL, 2-	95-57-8	40 H	40 H	4,000 H	4,000 H	40 H	40 H
CHLOROPRENE	126-99-8	[15] <u>0.16</u> N	[62] <u>0.83</u> N	[1,500] <u>16</u> N	[6,200] <u>83</u> N	[1,500] <u>16</u> N	[6,200] <u>83</u> N
CHLOROPROPANE, 2-	75-29-6	210 N	880 N	21,000 N	88,000 N	210 N	880 N
CHLOROTHALONIL	1897-45-6	[210] <u>240</u> G	600 S	600 S	600 S	[210] <u>240</u> G	600 S
CHLOROTOLUENE, O-	95-49-8	100 H	100 H	10,000 H	10,000 H	100 H	100 H
CHLOROTOLUENE, P-	106-43-4	100 H	100 H	10,000 H	10,000 H	100 H	100 H
CHLORPYRIFOS	2921-88-2	2 H	2 H	200 H	200 H	2 H	2 H
CHLORSULFURON	64902-72-3	[1,800] <u>2,100</u> G	[5,100] <u>5,800</u> G	[180,000] <u>190,000</u> [G] S	190,000 S	[1,800] <u>2,100</u> G	[5,100] <u>5,800</u> G

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CHLORTHAL-DIMETHYL (DACTHAL) (DCPA)	1861-32-1	70 H	70 H	500 S	500 S	500 S	500 S
CHRYSENE	218-01-9	1.9 S	1.9 S	1.9 S	1.9 S	1.9 S	1.9 S
CRESOLS	1319-77-3	[180] 210 G	[510] 580 G	[18,000] 21,000 G	[51,000] 58,000 G	[18,000] 21,000 G	[51,000] 58,000 G
CRESOL, DINITRO-O-,4,6-	534-52-1	[3.7] 3.3 G	[10] 9.3 G	[370] 330 G	[1,000] 930 G	[3,700] 3,300 G	[10,000] 9,300 G
CRESOL, O- (METHYLPHENOL, 2-)	95-48-7	[1,800] 2,100 G	[5,100] 5,800 G	[180,000] 210,000 G	[510,000] 580,000 G	[180,000] 210,000 G	[510,000] 580,000 G
CRESOL, M (METHYLPHENOL, 3-)	108-39-4	[1,800] 2,100 G	[5,100] 5,800 G	[180,000] 210,000 G	[510,000] 580,000 G	[1,800,000] 2,100,000 G	2,500,000 S
CRESOL, P (METHYLPHENOL, 4-)	106-44-5	[180] 210 G	[510] 580 G	[18,000] 21,000 G	[51,000] 58,000 G	[180,000] 210,000 G	[510,000] 580,000 G
CRESOL, P-CHLORO-M-	59-50-7	[180] 4,200 G	[510] 12,000 G	[18,000] 420,000 G	[51,000] 1,200,000 G	[180] 4,200 G	[510] 12,000 G
CROTONALDEHYDE	4170-30-3	[0.35] 0.38 G	[1.4] 1.8 G	[35] 38 G	[140] 180 G	[35] 38 G	[140] 180 G
CROTONALDEHYDE, TRANS-	123-73-9	[0.35] 0.38 G	[1.4] 1.8 G	[35] 38 G	[140] 180 G	[35] 38 G	[140] 180 G
CUMENE (ISOPROPYL BENZENE)	98-82-8	840 N	3,500 N	50,000 S	50,000 S	50,000 S	50,000 S
CYANAZINE	21725-46-2	1 H	1 H	100 H	100 H	1 H	1 H
CYCLOHEXANE	110-82-7	13,000 N	53,000 N	55,000 S	55,000 S	13,000 N	53,000 N
CYCLOHEXANONE	108-94-1	[180,000] 1,500 G N	[510,000] 6,200 G N	[18,000,00] 150,000 G N	[37,000,00] 620,000 S N	[180,000] 1,500 G N	[510,000] 6,200 G N
CYFLUTHRIN	68359-37-5	1 S	1 S	1 S	1 S	1 S	1 S
CYROMAZINE	66215-27-8	[270] 310 G	[770] 880 G	[27,000] 31,000 G	[77,000] 88,000 G	[270] 310 G	[770] 880 G
DDD, 4,4'-	72-54-8	[2.8] 3 G	[11] 14 G	160 S	160 S	160 S	160 S
DDE, 4,4'-	72-55-9	[1.9] 2.1 G	[7.6] 10 G	40 S	40 S	40 S	40 S
DDT, 4,4'-	50-29-3	[1.9] 2.1 G	5.5 S	5.5 S	5.5 S	5.5 S	5.5 S
DI(2-ETHYLHEXYL)ADIPATE	103-23-1	400 M	400 M	40,000 M	40,000 M	200,000 S	200,000 S
DIALATE	2303-16-4	[11] 12 G	[43] 56 G	[1,100] 1,200 G	[4,300] 5,600 G	[11,000] 12,000 G	40,000 S
DIAMINOTOLUENE, 2,4-	95-80-7	[0.17] 0.19 G	[0.68] 0.89 G	[17] 19 G	[68] 89 G	[170] 190 G	[680] 890 G
DIAZINON	333-41-5	1 H	1 H	100 H	100 H	1 H	1 H

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DIBENZO[A,H]ANTHRACENE	53-70-3	[0.029] G 0.031	[0.36] 0.47 G	0.6 S	0.6 S	0.6 S	0.6 S
DIBENZOFURAN	132-64-9	[37] 42 G	[100] 120 G	[3,700] G 4,200	4,500 S	4,500 S	4,500 S
DIBROMO-3-CHLOROPROPANE, 1,2-	96-12-8	0.2 M	0.2 M	20 M	20 M	20 M	20 M
DIBROMOBENZENE, 1,4-	106-37-6	[370] 420 G	[1,000] G 1,200	20,000 S	20,000 S	[370] 420 G	[1,000] G 1,200
DIBROMOETHANE, 1,2- (ETHYLENE DIBROMIDE)	106-93-4	0.05 M	0.05 M	5 M	5 M	5 M	5 M
DIBROMOMETHANE	74-95-3	[370] 8.4 [G]] N	[1,000] 35 [G]] N	[37,000] [G] 840] N	[100,000] [G] 3,500] N	[37,000] [G] 840] N	[100,000] [G] 3,500] N
DIBUTYL PHTHALATE, N-	84-74-2	[3,700] G 4,200	[10,000] G 12,000	[370,000] [G] 400,000] S	400,000 S	400,000 S	400,000 S
DICAMBA	1918-00-9	4,000 H	4,000 H	400,000 H	400,000 H	4,000 H	4,000 H
DICHLOROACETIC ACID (HAA)	76-43-6	60 M	60 M	6,000 M	6,000 M	60 M	60 M
DICHLORO-2-BUTENE, 1,4-	764-41-0	0.012 N	0.06 N	1.2 N	6 N	0.012 N	0.06 N
DICHLORO-2-BUTENE, TRANS-1,4-	110-57-6	0.012 N	0.06 N	1.2 N	6 N	0.012 N	0.06 N
DICHLOROBENZENE, 1,2-	95-50-1	600 M	600 M	60,000 M	60,000 M	60,000 M	60,000 M
DICHLOROBENZENE, 1,3-	541-73-1	600 H	600 H	60,000 H	60,000 H	60,000 H	60,000 H
DICHLOROBENZENE, P-	106-46-7	75 M	75 M	7,500 M	7,500 M	7,500 M	7,500 M
DICHLOROBENZIDINE, 3,3'-	91-94-1	[1.5] 1.6 G	[5.8] 7.6 G	[150] 160 G	[580] 760 G	[1,500] G 1,600	3,100 S
DICHLORODIFLUOROMETHANE (FREON 12)	75-71-8	1,000 H	1,000 H	100,000 H	100,000 H	100,000 H	100,000 H
DICHLOROETHANE, 1,1-	75-34-3	31 N	160 N	3,100 N	16,000 N	310 N	1,600 N
DICHLOROETHANE, 1,2-	107-06-2	5 M	5 M	500 M	500 M	50 M	50 M
DICHLOROETHYLENE, 1,1-	75-35-4	7 M	7 M	700 M	700 M	70 M	70 M
DICHLOROETHYLENE, CIS-1,2-	156-59-2	70 M	70 M	7,000 M	7,000 M	700 M	700 M
DICHLOROETHYLENE, TRANS-1,2-	156-60-5	100 M	100 M	10,000 M	10,000 M	1,000 M	1,000 M
DICHLOROMETHANE (METHYLENE CHLORIDE)	75-09-2	5 M	5 M	500 M	500 M	500 M	500 M
DICHLOROPHENOL, 2,4-	120-83-2	20 H	20 H	2,000 H	2,000 H	20,000 H	20,000 H
DICHLOROPHOXYACETIC ACID, 2,4- (2,4-D)	94-75-7	70 M	70 M	7,000 M	7,000 M	70,000 M	70,000 M
DICHLOROPROPANE, 1,2-	78-87-5	5 M	5 M	500 M	500 M	50 M	50 M

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Regulated Substance	CASRN	Used Aquifers				Nonuse Aquifers	
		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR		
DICHLOROPROPENE, 1,3-	542-75-6	[6.6] <u>7.3</u> G	[26] <u>34</u> G	[660] <u>730</u> G	[2,600] <u>3,400</u> G	[660] <u>730</u> G	[2,600] <u>3,400</u> G
DICHLOROPROPIONIC ACID, 2,2- (DALAPON)	75-99-0	200 M	200 M	20,000 M	20,000 M	20,000 M	20,000 M
DICHLORVOS	62-73-7	[2.3] <u>2.5</u> G	[9] <u>12</u> G	[230] <u>250</u> G	[900] <u>1,200</u> G	[2.3] <u>2.5</u> G	[9] <u>12</u> G
DICYCLOPENTADIENE	77-73-6	15 N	62 N	1,500 N	6,200 N	15 N	62 N
DIELDRIN	60-57-1	[0.041] <u>0.046</u> G	[0.16] <u>0.21</u> G	[4.1] <u>4.6</u> G	[16] <u>21</u> G	[41] <u>46</u> G	[160] <u>170</u> [G] S
DIETHYL PHTHALATE	84-66-2	[29,000] <u>33,000</u> G	[82,000] <u>93,000</u> G	1,100,000 S	1,100,000 S	1,100,000 S	1,100,000 S
DIFLUBENZURON	35367-38-5	200 S	200 S	200 S	200 S	200 S	200 S
DIISOPROPYL METHYLPHOSPHONATE	1445-75-6	600 H	600 H	60,000 H	60,000 H	600 H	600 H
DIMETHOATE	60-51-5	[7.3] <u>8.3</u> G	[20] <u>23</u> G	[730] <u>830</u> G	[2,000] <u>2,300</u> G	[7,300] <u>8,300</u> G	[20,000] <u>23,000</u> G
DIMETHOXYBENZIDINE, 3,3-	119-90-4	[47] <u>52</u> G	[190] <u>240</u> G	[4,700] <u>5,200</u> G	[19,000] <u>24,000</u> G	[47,000] <u>52,000</u> G	60,000 S
DIMETHRIN	70-38-2	36 S	36 S	36 S	36 S	36 S	36 S
DIMETHYLAMINOAZOBENZENE, P-	60-11-7	[0.14] <u>0.16</u> G	[0.57] <u>0.74</u> G	[14] <u>16</u> G	[57] <u>74</u> G	[140] <u>160</u> G	[570] <u>740</u> G
DIMETHYLANILINE, N,N-	121-69-7	[73] <u>83</u> G	[200] <u>230</u> G	[7,300] <u>8,300</u> G	[20,000] <u>23,000</u> G	[7,300] <u>8,300</u> G	[20,000] <u>23,000</u> G
DIMETHYLBENZIDINE, 3,3-	119-93-7	[0.06] <u>0.066</u> G	[0.24] <u>0.31</u> G	[6] <u>6.6</u> G	[24] <u>31</u> G	[60] <u>66</u> G	[240] <u>310</u> G
DIMETHYL METHYLPHOSPHONATE	756-79-6	100 H	100 H	10,000 H	10,000 H	100 H	100 H
DIMETHYLPHENOL, 2,4-	105-67-9	[730] <u>830</u> G	[2,000] <u>2,300</u> G	[73,000] <u>83,000</u> G	[200,000] <u>230,000</u> G	[730,000] <u>830,000</u> G	[2,000,000] <u>2,300,000</u> G
DINITROBENZENE, 1,3-	99-65-0	1 H	1 H	100 H	100 H	1,000 H	1,000 H
DINITROPHENOL, 2,4-	51-28-5	[73] <u>83</u> G	[200] <u>230</u> G	[7,300] <u>8,300</u> G	[20,000] <u>23,000</u> G	[73,000] <u>83,000</u> G	[200,000] <u>230,000</u> G
DINITROTOLUENE, 2,4-	121-14-2	[2.1] <u>2.4</u> G	[8.4] <u>11</u> G	[210] <u>240</u> G	[840] <u>1,100</u> G	[2,100] <u>2,400</u> G	[8,400] <u>11,000</u> G
DINITROTOLUENE, 2,6- (2,6-DNT)	606-20-2	[37] <u>42</u> G	[100] <u>120</u> G	[3,700] <u>4,200</u> G	[10,000] <u>12,000</u> G	[37,000] <u>42,000</u> G	[100,000] <u>120,000</u> G
DINOSEB	88-85-7	7 M	7 M	700 M	700 M	7,000 M	7,000 M

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Regulated Substance	CASRN	Used Aquifers				Nonuse Aquifers	
		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR		
DIOXANE, 1,4-	123-91-1	6.4 N	32 N	640 N	3,200 N	64 N	320 N
DIPHENAMID	957-51-7	200 H	200 H	20,000 H	20,000 H	200 H	200 H
DIPHENYLAMINE	122-39-4	<u>[910]</u> G <u>1,000</u>	<u>[2,600]</u> G <u>2,900</u>	<u>[91,000]</u> G <u>100,000</u>	<u>[260,000]</u> G <u>290,000</u>	300,000 S	300,000 S
DIPHENYLHYDRAZINE, 1,2-	122-66-7	<u>[0.83]</u> <u>0.91</u> G	<u>[3.3]</u> <u>4.3</u> G	<u>[83]</u> <u>91</u> G	250 S	250 S	250 S
DIQUAT	85-00-7	20 M	20 M	2,000 M	2,000 M	20 M	20 M
DISULFOTON	298-04-4	0.7 H	0.7 H	70 H	70 H	700 H	700 H
DITHIANE, 1,4-	505-29-3	80 H	80 H	8,000 H	8,000 H	80 H	80 H
DIURON	330-54-1	<u>[73]</u> <u>83</u> G	<u>[200]</u> <u>230</u> G	<u>[7,300]</u> G <u>8,300</u>	<u>[20,000]</u> G <u>23,000</u>	<u>[73]</u> <u>83</u> G	<u>[200]</u> <u>230</u> G
ENDOSULFAN	115-29-7	<u>[220]</u> <u>250</u> G	480 S	480 S	480 S	480 S	480 S
ENDOSULFAN I (APLHA)	959-98-8	<u>[220]</u> <u>250</u> G	500 S	500 S	500 S	<u>[220]</u> <u>250</u> G	500 S
ENDOSULFAN II (BETA)	33213-65-9	<u>[220]</u> <u>250</u> G	450 S	450 S	450 S	<u>[220]</u> <u>250</u> G	450 S
ENDOSULFAN SULFATE	1031-07-8	120 S	120 S	120 S	120 S	120 S	120 S
ENDOTHALL	145-73-3	100 M	100 M	10,000 M	10,000 M	100 M	100 M
ENDRIN	72-20-8	2 M	2 M	200 M	200 M	2 M	2 M
EPICHLOROHYDRIN	106-89-8	2.1 N	8.8 N	210 N	880 N	210 N	880 N
ETHEPHON	16672-87-0	<u>[180]</u> <u>210</u> G	<u>[510]</u> <u>580</u> G	<u>[18,000]</u> G <u>21,000</u>	<u>[51,000]</u> G <u>58,000</u>	<u>[180]</u> <u>210</u> G	<u>[510]</u> <u>580</u> G
ETHION	563-12-2	<u>[18]</u> <u>21</u> G	<u>[51]</u> <u>58</u> G	850 S	850 S	<u>[18]</u> <u>21</u> G	<u>[51]</u> <u>58</u> G
ETHOXYETHANOL, 2- (EGEE)	110-80-5	420 N	1,800 N	42,000 N	180,000 N	42,000 N	180,000 N
ETHYL ACETATE	141-78-6	<u>[33,000]</u> G <u>38,000</u>	<u>[92,000]</u> G <u>110,000</u>	<u>[3,300,000]</u> G <u>3,800,000</u>	<u>[9,200,000]</u> G <u>11,000,000</u> <u>0</u>	<u>[3,300,000]</u> G <u>3,800,000</u>	<u>[9,200,000]</u> G <u>11,000,000</u> <u>0</u>
ETHYL ACRYLATE	140-88-5	<u>[14]</u> <u>15</u> G	<u>[54]</u> <u>71</u> G	<u>[1,400]</u> G <u>1,500</u>	<u>[5,400]</u> G <u>7,100</u>	<u>[1,400]</u> G <u>1,500</u>	<u>[5,400]</u> G <u>7,100</u>
ETHYL BENZENE	100-41-4	700 M	700 M	70,000 M	70,000 M	70,000 M	70,000 M
ETHYL DIPROPYLTHIOCARBAMATE, S- (EPTC)	759-94-4	<u>[910]</u> G <u>1,000</u>	<u>[2,600]</u> G <u>2,900</u>	<u>[91,000]</u> G <u>100,000</u>	<u>[260,000]</u> G <u>290,000</u>	<u>[910]</u> G <u>1,000</u>	<u>[2,600]</u> G <u>2,900</u>
ETHYL ETHER	60-29-7	<u>[7,300]</u> G <u>8,300</u>	<u>[20,000]</u> G <u>23,000</u>	<u>[730,000]</u> G <u>830,000</u>	<u>[2,000,000]</u> G <u>2,300,000</u>	<u>[7,300]</u> G <u>8,300</u>	<u>[20,000]</u> G <u>23,000</u>
ETHYL METHACRYLATE	97-63-2	<u>[3,300]</u> [G <u>630</u>]	<u>[9,200]</u> [G <u>2,600</u>]	<u>[330,000]</u> [G <u>63,000</u>]	<u>[920,000]</u> [G <u>260,000</u>]	<u>[3,300]</u> [G <u>630</u>]	<u>[9,200]</u> [G <u>2,600</u>]

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		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR		
		<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>J</u> <u>N</u>	<u>J</u> <u>N</u>
<u>ETHYLENE CHLORHYDRIN</u>	<u>107-07-3</u>	<u>830</u> G	<u>2,300</u> G	<u>83,000</u> G	<u>230,000</u> G	<u>830</u> G	<u>2,300</u> G
ETHYLENE GLYCOL	107-21-1	14,000 H	14,000 H	1,400,000 H	1,400,000 H	1,400,000 H	1,400,000 H
ETHYLENE THIOUREA (ETU)	96-45-7	<u>[2.9]</u> <u>3.3</u> G	<u>[8.2]</u> <u>9.3</u> G	<u>[290]</u> <u>330</u> G	<u>[820]</u> <u>930</u> G	<u>[2,900]</u> G <u>3,300</u>	<u>[8,200]</u> G <u>9,300</u>
ETHYLP-NITROPHENYL PHENYLPHOSPHOROTHIOATE	2104-64-5	<u>[0.37]</u> <u>0.42</u> G	1 G	<u>[37]</u> <u>42</u> G	<u>[100]</u> <u>120</u> G	<u>[0.37]</u> <u>0.42</u> G	<u>[1]</u> <u>1.2</u> G
FENAMIPHOS	22224-92-6	0.7 H	0.7 H	70 H	70 H	0.7 H	0.7 H
FENVALERATE (PYDRIN)	51630-58-1	85 S	85 S	85 S	85 S	85 S	85 S
FLUOMETURON (FLUOMETRON IN EPA FEB 96)	2164-17-2	90 H	90 H	9,000 H	9,000 H	90 H	90 H
FLUORANTHENE	206-44-0	260 S	260 S	260 S	260 S	260 S	260 S
FLUORENE	86-73-7	<u>[1,500]</u> G <u>1,700</u>	1,900 S	1,900 S	1,900 S	1,900 S	1,900 S
FLUOROTRICHLOROMETHANE (FREON 11)	75-69-4	2,000 H	2,000 H	200,000 H	200,000 H	200,000 H	200,000 H
FONOFOS	944-22-9	10 H	10 H	1,000 H	1,000 H	10 H	10 H
FORMALDEHYDE	50-00-0	1,000 H	1,000 H	100,000 H	100,000 H	100,000 H	100,000 H
FORMIC ACID	64-18-6	<u>[6.3]</u> <u>0.63</u> N	<u>[26]</u> <u>2.6</u> N	<u>[630]</u> <u>63</u> N	<u>[2,600]</u> N <u>260</u>	<u>[63]</u> <u>6.3</u> N	<u>[260]</u> <u>26</u> N
FOSETYL-AL	39148-24-8	<u>[110,000]</u> G <u>130,000</u>	<u>[310,000]</u> G <u>350,000</u>	<u>[11,000,00]</u> G <u>0]</u> <u>13,000,00]</u> <u>0</u>	<u>[31,000,00]</u> G <u>0]</u> <u>35,000,00]</u> <u>0</u>	<u>[110,000]</u> G <u>130,000</u>	<u>[310,000]</u> G <u>350,000</u>
FURAN	110-00-9	<u>[37]</u> <u>42</u> G	<u>[100]</u> <u>120</u> G	<u>[3,700]</u> G <u>4,200</u>	<u>[10,000]</u> G <u>12,000</u>	<u>[3,700]</u> G <u>4,200</u>	<u>[10,000]</u> G <u>12,000</u>
FURFURAL	98-01-1	110 N	<u>[310]</u> <u>350</u> G	11,000 N	<u>[31,000]</u> G <u>35,000</u>	110 N	<u>[310]</u> <u>350</u> G
GLYPHOSATE	1071-83-6	700 M	700 M	70,000 M	70,000 M	700 M	700 M
HEPTACHLOR	76-44-8	0.4 M	0.4 M	40 M	40 M	180 S	180 S
HEPTACHLOR EPOXIDE	1024-57-3	0.2 M	0.2 M	20 M	20 M	200 M	200 M
HEXACHLOROBENZENE	118-74-1	1 M	1 M	6 S	6 S	6 S	6 S
HEXACHLOROBUTADIENE	87-68-3	<u>[8.5]</u> <u>9.4</u> G	<u>[33]</u> <u>44</u> G	<u>[850]</u> <u>940</u> G	2,900 S	2,900 S	2,900 S
HEXACHLOROCYCLOPENTADIENE	77-47-4	50 M	50 M	1,800 S	1,800 S	1,800 S	1,800 S
HEXACHLOROETHANE	67-72-1	1 H	1 H	100 H	100 H	100 H	100 H
HEXANE	110-54-3	1,500 N	<u>[6,100]</u> [G	9,500 S	9,500 S	1,500 N	<u>[6,100]</u> [

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		R	NR	R	NR		
			<u>6,200</u>] N				<u>6,200</u> G] N
HEXAZINONE	51235-04-2	400 H	400 H	40,000 H	40,000 H	400 H	400 H
HEXYTHIAZOX	78587-05-0	500 S	500 S	500 S	500 S	500 S	500 S
HMX (SAVEY)	2691-41-0	400 H	400 H	5,000 S	5,000 S	400 H	400 H
HYDRAZINE/HYDRAZINE SULFATE	302-01-2	0.01 N	0.051 N	1 N	5.1 N	0.1 N	0.51 N
HYDROQUINONE	123-31-9	12 G	<u>[46] 57</u> G	1,200 G	<u>[4,600] 5,700</u> G	12,000 G	<u>[46,000] 57,000</u> G
INDENO[1,2,3-CD]PYRENE	193-39-5	<u>[0.29] 0.31</u> G	<u>[3.6] 4.7</u> G	<u>[29] 31</u> G	62 S	62 S	62 S
IPRODIONE	36734-19-7	<u>[1,500] 1,700</u> G	<u>[4,100] 4,700</u> G	13,000 S	13,000 S	<u>[1,500] 1,700</u> G	<u>[4,100] 4,700</u> G
ISOBUTYL ALCOHOL	78-83-1	<u>[11,000] 13,000</u> G	<u>[31,000] 35,000</u> G	<u>[1,100,000] 1,300,000</u> G	<u>[3,100,000] 3,500,000</u> G	<u>[1,100,000] 1,300,000</u> G	<u>[3,100,000] 3,500,000</u> G
ISOPHORONE	78-59-1	100 H	100 H	10,000 H	10,000 H	100,000 H	100,000 H
ISOPROPYL METHYLPHOSPHONATE	1832-54-8	700 H	700 H	70,000 H	70,000 H	700 H	700 H
KEPONE	143-50-0	<u>[0.041] 0.073</u> G	<u>[0.16] 0.34</u> G	<u>[4.1] 7.3</u> G	<u>[16] 34</u> G	<u>[41] 73</u> G	<u>[160] 340</u> G
MALATHION	121-75-5	500 H	500 H	50,000 H	50,000 H	140,000 S	140,000 S
MALEIC HYDRAZIDE	123-33-1	4,000 H	4,000 H	400,000 H	400,000 H	4,000 H	4,000 H
MANEB	12427-38-2	<u>[180] 210</u> G	<u>[510] 580</u> G	<u>[18,000] 21,000</u> G	23,000 S	<u>[180] 210</u> G	<u>[510] 580</u> G
MERPHOS OXIDE	78-48-8	<u>[1.1] 1.3</u> G	<u>[3.1] 3.5</u> G	<u>[110] 130</u> G	<u>[310] 350</u> G	<u>[1.1] 1.3</u> G	<u>[3.1] 3.5</u> G
METHACRYLONITRILE	126-98-7	<u>[1.5] 4.2</u>] N G	<u>[6.2] 12</u>] N G	<u>[150] 420</u>] N G	<u>[620] 1,200</u>] N G	<u>[1.5] 4.2</u>] N G	<u>[6.2] 12</u>] N G
METHAMIDOPHOS	10265-92-6	<u>[1.8] 2.1</u> G	<u>[5.1] 5.8</u> G	<u>[180] 210</u> G	<u>[510] 580</u> G	<u>[1.8] 2.1</u> G	<u>[5.1] 5.8</u> G
METHANOL	67-56-1	8,400 N	35,000 N	840,000 N	3,500,000 N	840,000 N	3,500,000 N
METHOMYL	16752-77-5	200 H	200 H	20,000 H	20,000 H	200 H	200 H
METHOXYCHLOR	72-43-5	40 M	40 M	45 S	45 S	45 S	45 S
METHOXYETHANOL, 2-	109-86-4	42 N	180 N	4,200 N	18,000 N	42 N	180 N
METHYL ACETATE	79-20-9	<u>[37,000] 42,000</u> G	<u>[100,000] 120,000</u> G	<u>[3,700,000] 4,200,000</u> G	<u>[10,000,000] 12,000,000</u> G	<u>[37,000] 42,000</u> G	<u>[100,000] 120,000</u> G

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Appendix A

Table 1 – Medium-Specific Concentrations (MSCs) for Organic Regulated Substances in Groundwater

Regulated Substance	CASRN	Used Aquifers				Nonuse Aquifers	
		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR		
					0		
METHYL ACRYLATE	96-33-3	[1,100] <u>42</u> <u>N</u> G	[3,100] <u>180</u> <u>N</u> G	[110,000] <u>4,200</u> <u>N</u> G	[310,000] <u>18,000</u> <u>N</u> G	[110,000] <u>4,200</u> <u>N</u> G	[310,000] <u>18,000</u> <u>N</u> G
METHYL CHLORIDE	74-87-3	30 H	30 H	3,000 H	3,000 H	3,000 H	3,000 H
METHYL ETHYL KETONE	78-93-3	4,000 H	4,000 H	400,000 H	400,000 H	400,000 H	400,000 H
METHYL HYDRAZINE	60-34-4	0.042 <u>N</u>	0.18 <u>N</u>	4.2 <u>N</u>	18 <u>N</u>	0.42 <u>N</u>	1.8 <u>N</u>
METHYL ISOBUTYL KETONE	108-10-1	[2,900] <u>3,300</u> G	[8,200] <u>9,300</u> G	[290,000] <u>330,000</u> G	[820,000] <u>930,000</u> G	[290,000] <u>330,000</u> G	[820,000] <u>930,000</u> G
METHYL ISOCYANATE	624-83-9	2.1 N	8.8 N	210 N	880 N	2.1 N	8.8 N
METHYL N-BUTYL KETONE	591-78-6	[11] <u>63</u> N	[44] <u>260</u> N	[1,100] <u>6,300</u> N	[4,400] <u>26,000</u> N	[11] <u>63</u> N	[44] <u>260</u> N
METHYL METHACRYLATE	80-62-6	1,500 N	6,200 N	150,000 N	620,000 N	150,000 N	620,000 N
METHYL METHANESULFONATE	66-27-3	[6.7] <u>7.4</u> G	[26] <u>34</u> G	[670] <u>740</u> G	[2,600] <u>3,400</u> G	[6.7] <u>7.4</u> G	[26] <u>34</u> G
METHYL PARATHION	298-00-0	1 H	1 H	100 H	100 H	1,000 H	1,000 H
METHYL STYRENE (MIXED ISOMERS)	25013-15-4	84 N	350 N	8,400 N	35,000 N	84 N	350 N
METHYL TERT-BUTYL ETHER (MTBE)	1634-04-4	20	20	2,000	2,000	200	200
METHYLCHLOROPHENOXYACETIC ACID (MCPA)	94-74-6	30 H	30 H	3,000 H	3,000 H	30,000 H	30,000 H
METHYLENE BIS(2-CHLOROANILINE), 4,4'-	101-14-4	[2.2] <u>2.3</u> G	[26] <u>34</u> G	[220] <u>230</u> G	[2,600] <u>3,400</u> G	[2.2] <u>2.3</u> G	[26] <u>34</u> G
METHYLNAPHTHALENE, 2-	91-57-6	[150] <u>170</u> G	[410] <u>470</u> G	[15,000] <u>17,000</u> G	25,000 S	[150] <u>170</u> G	[410] <u>470</u> G
METHYLSTYRENE, ALPHA	98-83-9	[2,600] <u>2,900</u> G	[7,200] <u>8,200</u> G	[260,000] <u>290,000</u> G	560,000 S	[2,600] <u>2,900</u> G	[7,200] <u>8,200</u> G
METOLACHLOR	51218-45-2	700 H	700 H	70,000 H	70,000 H	700 H	700 H
METRIBUZIN	21087-64-9	70 H	70 H	7,000 H	7,000 H	70 H	70 H
MONOCHLOROACETIC ACID (HAA)	79-11-8	[70] <u>60</u> H	[70] <u>60</u> H	[7,000] <u>6,000</u> H	[7,000] <u>6,000</u> H	[70] <u>60</u> H	[70] <u>60</u> H
NAPHTHALENE	91-20-3	100 H	100 H	10,000 H	10,000 H	30,000 S	30,000 S
NAPHTHYLAMINE, 1-	134-32-7	[0.37] <u>0.41</u> G	[1.4] <u>1.9</u> G	[37] <u>41</u> G	[140] <u>190</u> G	[370] <u>410</u> G	[1,400] <u>1,900</u> G
NAPHTHYLAMINE, 2-	91-59-8	[0.37] <u>0.41</u> G	[1.4] <u>1.9</u> G	[37] <u>41</u> G	[140] <u>190</u> G	[370] <u>410</u> G	[1,400] <u>1,900</u> G

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Regulated Substance	CASRN	Used Aquifers				Nonuse Aquifers	
		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR		
NAPROPAMIDE	15299-99-7	[3,700] G 4,200	[10,000] G 12,000	70,000 S	70,000 S	[3,700] G 4,200	[10,000] G 12,000
NITROANILINE, M-	99-09-2	[11] 13 G	[31] 35 G	[1,100] G 1,300	[3,100] G 3,500	[11] 13 G	[31] 35 G
NITROANILINE, O-	88-74-4	[110] 420 G	[310] G 1,200	[11,000] G 42,000	[31,000] G 120,000	[110] 420 G	[310] G 1,200
NITROANILINE, P-	100-01-6	[33] 37 G	[130] 170 G	[3,300] G 3,700	[13,000] G 17,000	[33] 37 G	[130] 170 G
NITROBENZENE	98-95-3	[73] 83 G	[200] 230 G	[7,300] G 8,300	[20,000] G 23,000	[73,000] G 83,000	[200,000] G 230,000
NITROGUANIDINE	556-88-7	700 H	700 H	70,000 H	70,000 H	700 H	700 H
NITROPHENOL, 2-	88-75-5	[290] 330 G	[820] 930 G	[29,000] G 33,000	[82,000] G 93,000	[290,000] G 330,000	[820,000] G 930,000
NITROPHENOL, 4-	100-02-7	60 H	60 H	6,000 H	6,000 H	60,000 H	60,000 H
NITROPROPANE, 2-	79-46-9	0.018 N	0.093 N	1.8 N	9.3 N	0.18 N	0.93 N
NITROSODIETHYLAMINE, N-	55-18-5	0.00045 N	0.0058 N	0.045 N	0.58 N	0.0045 N	0.058 N
NITROSODIMETHYLAMINE, N-	62-75-9	0.0014 N	0.018 N	0.14 N	1.8 N	0.014 N	0.18 N
NITROSO-DI-N-BUTYLAMINE, N-	924-16-3	[0.12] 0.14 G	[0.48] 0.63 G	[12] 14 G	[48] 63 G	[120] 140 G	[480] 630 G
NITROSODI-N-PROPYLAMINE, N-	621-64-7	[0.094] 0.1 G	[0.37] 0.49 G	[9.4] 10 G	[37] 49 G	[94] 100 G	[370] 490 G
NITROSODIPHENYLAMINE, N-	86-30-6	[130] 150 G	[530] 690 G	[13,000] G 15,000	35,000 S	35,000 S	35,000 S
NITROSO-N-ETHYLUREA, N-	759-73-9	[0.008] G 0.0084	[0.096] G 0.13	[0.8] 0.84 G	[9.6] 13 G	[8] 8.4 G	[96] 130 G
OCTYL PHTHALATE, DI-N-	117-84-0	[1,500] G 420	[3,000] S 1,200 G	3,000 S	3,000 S	3,000 S	3,000 S
OXAMYL (VYDATE)	23135-22-0	200 M	200 M	20,000 M	20,000 M	200 M	200 M
PARAQUAT	1910-42-5	30 H	30 H	3,000 H	3,000 H	30 H	30 H
PARATHION	56-38-2	[220] 250 G	[610] 700 G	20,000 S	20,000 S	[220] 250 G	[610] 700 G
PCB-1016 (AROCLOR)	12674-11-2	[2.6] 2.9 G	[7.2] 8.2 G	250 S	250 S	[2.6] 2.9 G	[7.2] 8.2 G
PCB-1221 (AROCLOR)	11104-28-2	[0.33] 0.37 G	[1.3] 1.7 G	[33] 37 G	[130] 170 G	[0.33] 0.37 G	[1.3] 1.7 G
PCB-1232 (AROCLOR)	11141-16-5	[0.33] 0.37 G	[1.3] 1.7 G	[33] 37 G	[130] 170 G	[0.33] 0.37 G	[1.3] 1.7 G
PCB-1242 (AROCLOR)	53469-21-9	[0.33] 0.37 G	[1.3] 1.7 G	[33] 37 G	100 S	[0.33] 0.37 G	[1.3] 1.7 G
PCB-1248 (AROCLOR)	12672-29-6	[0.33] 0.37 G	[1.3] 1.7 G	[33] 37 G	54 S	[0.33] 0.37 G	[1.3] 1.7 G
PCB-1254 (AROCLOR)	11097-69-1	[0.33] 0.37 G	[1.3] 1.7 G	[33] 37 G	57 S	[0.33] 0.37 G	[1.3] 1.7 G

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		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR		
PCB-1260 (AROCLOR)	11096-82-5	[0.33] 0.37 G	[1.3] 1.7 G	[33] 37 G	80 S	[0.33] 0.37 G	[1.3] 1.7 G
PEBULATE	1114-71-2	[1,800] 2,100 G	[5,100] 5,800 G	92,000 S	92,000 S	[1,800] 2,100 G	[5,100] 5,800 G
PENTACHLOROBENZENE	608-93-5	[29] 33 G	[82] 93 G	740 S	740 S	740 S	740 S
PENTACHLOROETHANE	76-01-7	[7.3] 8.1 G	[29] 38 G	[730] 810 G	[2,900] 3,800 G	[7.3] 8.1 G	[29] 38 G
PENTACHLORONITROBENZENE	82-68-8	[2.5] 2.8 G	[10] 13 G	[250] 280 G	440 S	440 S	440 S
PENTACHLOROPHENOL	87-86-5	1 M	1 M	100 M	100 M	1,000 M	1,000 M
PHENACETIN	62-44-2	[300] 330 G	[1,200] 1,500 G	[30,000] 33,000 G	[120,000] 150,000 G	[300,000] 330,000 G	760,000 S
PHENANTHRENE	85-01-8	1,100 S	1,100 S	1,100 S	1,100 S	1,100 S	1,100 S
PHENOL	108-95-2	2,000 H	2,000 H	200,000 H	200,000 H	200,000 H	200,000 H
PHENYL MERCAPTAN	108-98-5	[0.37] 42 G	[1] 120 G	[37] 4,200 G	[100] 12,000 G	[0.37] 42 G	[1] 120 G
PHENYLENEDIAMINE, M-	108-45-2	[220] 250 G	[610] 700 G	[22,000] 25,000 G	[61,000] 70,000 G	[220,000] 250,000 G	[610,000] 700,000 G
PHENYLPHENOL, 2-	90-43-7	[350] 380 G	[1,400] 1,800 G	[35,000] 38,000 G	[140,000] 180,000 G	[350,000] 380,000 G	700,000 S
PHORATE	298-02-2	[7.3] 8.3 G	[20] 23 G	[730] 830 G	[2,000] 2,300 G	[7.3] 8.3 G	[20] 23 G
PTHALIC ANHYDRIDE	85-44-9	[73,000] 83,000 G	[200,000] 230,000 G	6,200,000 S	6,200,000 S	6,200,000 S	6,200,000 S
PICLORAM	1918-02-1	500 M	500 M	50,000 M	50,000 M	500 M	500 M
POLYCHLORINATED BIPHENYLS (PCBS)	1336-36-3	0.5 M	0.5 M	50 M	50 M	0.5 M	0.5 M
PROMETON	1610-18-0	400 H	400 H	40,000 H	40,000 H	400 H	400 H
PRONAMIDE	23950-58-5	[2,700] 3,100 G	[7,700] 8,800 G	15,000 S	15,000 S	[2,700] 3,100 G	[7,700] 8,800 G
PROPANIL	709-98-8	[180] 210 G	[510] 580 G	[18,000] 21,000 G	[51,000] 58,000 G	[180] 210 G	[510] 580 G
PROPANOL, 2- (ISOPROPYL ALCOHOL)	67-63-0	15,000 N	62,000 N	1,500,000 N	6,200,000 N	15,000 N	62,000 N
PROPAZINE	139-40-2	10 H	10 H	1,000 H	1,000 H	10 H	10 H
PROPHAM	122-42-9	100 H	100 H	10,000 H	10,000 H	100 H	100 H
PROPYLBENZENE, N-	103-65-1	[1,500] 2,100 G N	[4,100] 8,800 G N	52,000 S	52,000 S	[1,500] 2,100 G]	[4,100] 8,800 G]

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Regulated Substance	CASRN	Used Aquifers				Nonuse Aquifers	
		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR		
						<u>N</u>	<u>N</u>
PROPYLENE OXIDE	75-56-9	[2.8] <u>3</u> G	[11] <u>14</u> G	[280] <u>300</u> G	[1,100] <u>1,400</u> G	[2.8] <u>3</u> G	[11] <u>14</u> G
PYRENE	129-00-0	130 S	130 S	130 S	130 S	130 S	130 S
PYRIDINE	110-86-1	[37] <u>42</u> G	[100] <u>120</u> G	[3,700] <u>4,200</u> G	[10,000] <u>12,000</u> G	[370] <u>420</u> G	[1,000] <u>1,200</u> G
QUINOLINE	91-22-5	[0.22] <u>0.24</u> G	[0.87] <u>1.1</u> G	[22] <u>24</u> G	[87] <u>110</u> G	[220] <u>240</u> G	[870] <u>1,100</u> G
QUIZALOFOP	76578-14-8	300 S	300 S	300 S	300 S	300 S	300 S
RDX (ASSURE)	121-82-4	2 H	2 H	200 H	200 H	2 H	2 H
RESORCINOL	108-46-3	[73,000] <u>83,000</u> G	[200,000] <u>230,000</u> G	[7,300,000] <u>8,300,000</u> G	[20,000,000] <u>23,000,000</u> G	[73,000] <u>83,000</u> G	[200,000] <u>230,000</u> G
RONNEL	299-84-3	[1,800] <u>2,100</u> G	[5,100] <u>5,800</u> G	40,000 S	40,000 S	[1,800] <u>2,100</u> G	[5,100] <u>5,800</u> G
SIMAZINE	122-34-9	4 M	4 M	400 M	400 M	4 M	4 M
STRYCHNINE	57-24-9	[11] <u>13</u> G	[31] <u>35</u> G	[1,100] <u>1,300</u> G	[3,100] <u>3,500</u> G	[11,000] <u>13,000</u> G	[31,000] <u>35,000</u> G
STYRENE	100-42-5	100 M	100 M	10,000 M	10,000 M	10,000 M	10,000 M
TEBUTHIURON	34014-18-1	500 H	500 H	50,000 H	50,000 H	500 H	500 H
TERBACIL	5902-51-2	90 H	90 H	9,000 H	9,000 H	90 H	90 H
TERBUFOS	13071-79-9	0.4 H	0.4 H	40 H	40 H	0.4 H	0.4 H
TETRACHLOROBENZENE, 1,2,4,5-	95-94-3	[11] <u>13</u> G	[31] <u>35</u> G	580 S	580 S	580 S	580 S
TETRACHLORODIBENZO-P-DIOXIN, 2,3,7,8- (TCDD)	1746-01-6	0.00003 M	0.00003 M	0.003 M	0.003 M	0.019 S	0.019 S
TETRACHLOROETHANE, 1,1,1,2-	630-20-6	70 H	70 H	7,000 H	7,000 H	7,000 H	7,000 H
TETRACHLOROETHANE, 1,1,2,2-	79-34-5	0.84 N	4.3 N	84 N	430 N	84 N	430 N
TETRACHLOROETHYLENE (PCE)	127-18-4	5 M	5 M	500 M	500 M	50 M	50 M
TETRACHLOROPHENOL, 2,3,4,6-	58-90-2	[1,100] <u>1,300</u> G	[3,100] <u>3,500</u> G	[110,000] <u>130,000</u> G	180,000 S	180,000 S	180,000 S
TETRAETHYL LEAD	78-00-2	[0.0037] <u>0.0042</u> G	[0.01] <u>0.012</u> G	[0.37] <u>0.42</u> G	1 G	[3.7] <u>4.2</u> G	[10] <u>12</u> G
TETRAETHYLDITHIOPYROPHOSPHATE	3689-24-5	[18] <u>21</u> G	[51] <u>58</u> G	[1,800] <u>2,100</u> G	[5,100] <u>5,800</u> G	[18] <u>21</u> G	[51] <u>58</u> G
TETRAHYDROFURAN	109-99-9	[25] <u>26</u> N	130 N	[2,500] N	13,000 N	[25] <u>26</u> N	130 N

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		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR		
				<u>2,600</u>			
THIOFANOX	39196-18-4	[11] <u>13</u> G	[31] <u>35</u> G	[1,100] G <u>1,300</u>	[3,100] G <u>3,500</u>	[11] <u>13</u> G	[31] <u>35</u> G
THIRAM	137-26-8	[180] <u>210</u> G	[510] <u>580</u> G	[18,000] G <u>21,000</u>	30,000 S	[180] <u>210</u> G	[510] <u>580</u> G
TOLUENE	108-88-3	1,000 M	1,000 M	100,000 M	100,000 M	100,000 M	100,000 M
TOLUIDINE, M-	108-44-1	[3.7] <u>4.1</u> G	[14] <u>19</u> G	[370] <u>410</u> G	[1,400] G <u>1,900</u>	[3.7] <u>4.1</u> G	[14] <u>19</u> G
TOLUIDINE, O	95-53-4	[3.7] G <u>46</u>	[14] G <u>210</u>	[370] G <u>4,600</u>	[1,400] G <u>21,000</u>	[3,700] G <u>46,000</u>	[14,000] G <u>210,000</u>
TOLUIDINE, P-	106-49-0	[3.5] G <u>24</u>	[14] G <u>110</u>	[350] G <u>2,400</u>	[1,400] G <u>11,000</u>	[3.5] G <u>24</u>	[14] G <u>110</u>
TOXAPHENE	8001-35-2	3 M	3 M	300 M	300 M	3 M	3 M
TRIALATE	2303-17-5[[470] <u>540</u> G	[1,300] G <u>1,500</u>	4,000 S	4,000 S	[470] <u>540</u> G	[1,300] G <u>1,500</u>
TRIBROMOMETHANE (BROMOFORM) (THM)	75-25-2	80 M	80 M	8,000 M	8,000 M	8,000 M	8,000 M
TRICHLORO-1,2,2-TRIFLUOROETHANE, 1,1,2-	76-13-1	63,000 N	170,000 S	170,000 S	170,000 S	170,000 S	170,000 S
<u>TRICHLOROACETIC ACID (HAA)</u>	<u>76-03-9</u>	<u>60</u> H	<u>60</u> H	<u>6,000</u> H	<u>6,000</u> H	<u>60</u> H	<u>60</u> H
TRICHLOROBENZENE, 1,2,4-	120-82-1	70 M	70 M	7,000 M	7,000 M	44,000 S	44,000 S
TRICHLOROBENZENE, 1,3,5-	108-70-3	40 H	40 H	4,000 H	4,000 H	40 H	40 H
TRICHLOROETHANE, 1,1,1-	71-55-6	200 M	200 M	20,000 M	20,000 M	2,000 M	2,000 M
TRICHLOROETHANE, 1,1,2-	79-00-5	5 M	5 M	500 M	500 M	50 M	50 M
TRICHLOROETHYLENE (TCE)	79-01-6	5 M	5 M	500 M	500 M	50 M	50 M
TRICHLOROPHENOL, 2,4,5-	95-95-4	[3,700] G <u>4,200</u>	[10,000] G <u>12,000</u>	[370,000] G <u>420,000</u>	1,000,000 [G] S	1,000,000 S	1,000,000 S
TRICHLOROPHENOL, 2,4,6-	88-06-2	[37] <u>42</u> G	[100] <u>120</u> G	[3,700] G <u>4,200</u>	[10,000] G <u>12,000</u>	[37,000] G <u>42,000</u>	[100,000] G <u>120,000</u>
TRICHLOROPHENOXYACETIC ACID, 2,4,5- (2,4,5-T)	93-76-5	70 H	70 H	7,000 H	7,000 H	70,000 H	70,000 H
TRICHLOROPHENOXYPROPIONIC ACID, 2,4,5- (2,4,5-TP)	93-72-1	50 M	50 M	5,000 M	5,000 M	50 M	50 M
TRICHLOROPROPANE, 1,1,2-	598-77-6	[180] <u>210</u> G	[510] <u>580</u> G	[18,000] G <u>21,000</u>	[51,000] G <u>58,000</u>	[180] <u>210</u> G	[510] <u>580</u> G
TRICHLOROPROPANE, 1,2,3-	96-18-4	40 H	40 H	4,000 H	4,000 H	4,000 H	4,000 H
TRICHLOROPROPENE, 1,2,3-	96-19-5	[2.1] <u>0.63</u> N	[8.8] <u>2.6</u> N	[210] <u>63</u> N	[880] <u>260</u> N	[2.1] <u>0.63</u> N	[8.8] <u>2.6</u> N

All concentrations in µg/L

M = Maximum Contaminant Level

N = Inhalation

R = Residential

H = Lifetime health advisory level

S = Aqueous solubility cap

NR = Non-Residential

G = Ingestion

THMs – The values listed for trihalomethanes (THMs) are the total for all THMs combined.

HAAs – The values listed for haloacetic acids (HAAs) are the total for all HAAs combined.

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Appendix A

Table 1 – Medium-Specific Concentrations (MSCs) for Organic Regulated Substances in Groundwater

Regulated Substance	CASRN	Used Aquifers				Nonuse Aquifers	
		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR		
TRIETHYLAMINE	121-44-8	15 N	62 N	1,500 N	6,200 N	15 N	62 N
TRIFLURALIN	1582-09-8	10 H	10 H	1,000 H	1,000 H	10 H	10 H
TRIMETHYLBENZENE, 1,3,4- (TRIMETHYLBENZENE, 1,2,4-)	95-63-6	15 N	62 N	1,500 N	6,200 N	1,500 N	6,200 N
TRIMETHYLBENZENE, 1,3,5-	108-67-8	[13] <u>420</u> [N]] <u>1</u> <u>G</u>	[53] <u>1,200</u> [N]] <u>1</u> <u>G</u>	[1,300] [N] <u>42,000</u>] <u>G</u>	[5,300] [N] <u>49,000</u>] <u>S</u>	[13] <u>420</u> [N]] <u>1</u> <u>G</u>	[53] <u>1,200</u> [N]] <u>1</u> <u>G</u>
TRINITROGLYCEROL (NITROGLYCERIN)	55-63-0	5 H	5 H	500 H	500 H	5 H	5 H
TRINITROTOLUENE, 2,4,6-	118-96-7	2 H	2 H	200 H	200 H	2 H	2 H
VINYL ACETATE	108-05-4	420 N	1,800 N	42,000 N	180,000 N	420 N	1,800 N
VINYL BROMIDE (BROMOETHENE)	593-60-2	1.5 N	7.8 N	150 N	780 N	15 N	78 N
VINYL CHLORIDE	75-01-4	2 M	2 M	200 M	200 M	20 M	20 M
WARFARIN	81-81-2	[11] <u>13</u> G	[31] <u>35</u> G	[1,100] G <u>1,300</u>	[3,100] G <u>3,500</u>	[11,000] G <u>13,000</u>	17,000 S
XYLENES (TOTAL)	1330-20-7	10,000 M	10,000 M	180,000 S	180,000 S	180,000 S	180,000 S
ZINEB	12122-67-7	[1,800] G <u>2,100</u>	[5,100] G <u>5,800</u>	10,000 S	10,000 S	[1,800] G <u>2,100</u>	[5,100] G <u>5,800</u>

All concentrations in µg/L

M = Maximum Contaminant Level

N = Inhalation

R = Residential

H = Lifetime health advisory level

S = Aqueous solubility cap

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THMs – The values listed for trihalomethanes (THMs) are the total for all THMs combined.

HAAs – The values listed for haloacetic acids (HAAs) are the total for all HAAs combined.