

Appendix A

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

Regulated Substance	CASRN	Used Aquifers				Nonuse Aquifers	
		TDS ≤ 2500 mg/L		TDS > 2500 mg/L		R	NR
		R	NR	R	NR	R	NR
ACENAPHTHENE	83-32-9	[2,500] G 2,100	3,800 S	3,800 S	3,800 S	3,800 S	3,800 S
ACENAPHTHYLENE	208-96-8	[2,500] G 2,100	[7,000] G 5,800	16,000 S	16,000 S	16,000 S	16,000 S
ACEPHATE	30560-19-1	[84] 42 G	[390] 120 G	[8,400] G 4,200	[39,000] G 12,000	[84] 42 G	[390] 120 G
ACETALDEHYDE	75-07-0	19 N	79 N	1,900 N	7,900 N	19 N	79 N
ACETONE	67-64-1	[38,000] G 31,000	[110,000] G 88,000	[3,800,000] G 3,100,000	[11,000,000] G 8,800,000	[380,000] G 310,000	[1,100,000] G 880,000
ACETONITRILE	75-05-8	130 N	530 N	13,000 N	53,000 N	1,300 N	5,300 N
ACETOPHENONE	98-86-2	[4,200] G 3,500	[12,000] G 9,700	[420,000] G 350,000	[1,200,000] G 970,000	[4,200] G 3,500	[12,000] G 9,700
ACETYLAMINOFLUORENE, 2- (2AAF)	53-96-3	[0.19] 0.17 G	[0.89] 0.72 G	[19] 17 G	[89] 72 G	[190] 170 G	[890] 720 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	0.19 N	2.5 N	19 N	250 N	0.19 N	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	[0.043] G 0.038	[0.2] 0.16 G	[4.3] 3.8 G	[20] 16 G	20 S	20 S
ALLYL ALCOHOL	107-18-6	0.21 N	0.88 N	21 N	88 N	21 N	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	[0.035] G 0.031	[0.16] 0.13 G	[3.5] 3.1 G	[16] 13 G	[35] 31 G	[160] 130 G
AMITROLE	61-82-5	[0.78] 0.69 G	[3.6] 2.9 G	[78] 69 G	[360] 290 G	[780] 690 G	[3,600] G 2,900
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
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

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		R	NR	R	NR		
ATRAZINE	1912-24-9	3 M	3 M	300 M	300 M	3 M	3 M
AZINPHOS-METHYL (GUTHION)	86-50-0	[130] <u>52</u> G	[350] <u>150</u> G	[13,000] <u>5,200</u> G	[32,000] <u>15,000</u> S G	[130] <u>52</u> G	[350] <u>150</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	[2,000] <u>270</u> S G	[2,000] <u>1,100</u> S G	2,000 S	2,000 S	[2,000] <u>270</u> S G	[2,000] <u>1,100</u> S G
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	[0.00098] <u>0.00092</u> G	[0.015] <u>0.012</u> G	[0.098] <u>0.092</u> G	[1.5] <u>1.2</u> G	[0.98] <u>0.92</u> G	[15] <u>12</u> G
BENZO[A]ANTHRACENE	56-55-3	[0.32] <u>0.3</u> G	[4.9] <u>3.9</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	[0.19] <u>0.18</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	[0.19] <u>0.18</u> G	0.55 S	0.55 S	0.55 S	0.55 S	0.55 S
BENZOIC ACID	65-85-0	[170,000] <u>140,000</u> G	[470,000] <u>390,000</u> G	2,700,000 S	2,700,000 S	[170,000] <u>140,000</u> G	[470,000] <u>390,000</u> G
BENZOTRICHLORIDE	98-07-7	[0.056] <u>0.05</u> G	[0.26] <u>0.21</u> G	[5.6] <u>5</u> G	[26] <u>21</u> G	[56] <u>5</u> G	[260] <u>21</u> G
BENZYL ALCOHOL	100-51-6	[4,200] <u>3,500</u> G	[12,000] <u>9,700</u> G	[420,000] <u>350,000</u> G	[1,200,000] <u>970,000</u> G	[4,200] <u>3,500</u> G	[12,000] <u>9,700</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	[0.12] <u>0.1</u> G	[0.54] <u>0.43</u> G	[12] <u>10</u> G	[54] <u>43</u> G	[120] <u>100</u> G	[540] <u>430</u> G
BHC, BETA-	319-85-7	[0.41] <u>0.36</u> G	[1.9] <u>1.5</u> G	[41] <u>36</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	[91] <u>0.84</u> G N	[430] <u>3.5</u> G N	[7,200] <u>84</u> S N	[7,200] <u>350</u> S N	[7,200] <u>84</u> S N	[7,200] <u>350</u> S N
BIS(2-CHLOROETHOXY)METHANE	111-91-1	[130] <u>100</u> G	[350] <u>290</u> G	[13,000] <u>10,000</u> G	[35,000] <u>29,000</u> G	[130] <u>100</u> G	[350] <u>290</u> G
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

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		R	NR	R	NR	R	NR
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	[2,100] G 1,700	[5,800] G 4,900	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
BROMOBENZENE	108-86-1	0.06 H	0.06 H	6 H	6 H	0.06 H	0.06 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	[830] 6.3 G	[2,300] 26 G	[83,000] 630 G	[130,000] 2,600 S] G	[830] 6.3 G	[2,300] 26 G
BROMOXYNIL OCTANOATE	1689-99-2	[80] 6.3 [S] G	[80] 26 [S] G	80 S	80 S	80 S	80 S
BUTADIENE, 1,3-	106-99-0	[0.21] 1.1 G	[1] 4.5 G	[21] 110 G	[100] 450 G	[21] 110 G	[100] 450 G
BUTYL ALCOHOL, N-	71-36-3	[4,200] 3,500 G	[12,000] 9,700 G	[420,000] 350,000 G	[1,200,000] 970,000 G	[42,000] 35,000 G	[120,000] 97,000 G
BUTYLATE	2008-41-5	400 H	400 H	40,000 H	40,000 H	400 H	400 H
BUTYLBENZENE, N-	104-51-8	[2,100] 1,700 G	[5,800] 4,900 G	15,000 S	15,000 S	[2,100] 1,700 G	[5,800] 4,900 G
BUTYLBENZENE, SEC-	135-98-8	[4,200] 3,500 G	[12,000] 9,700 G	17,000 S	17,000 S	[4,200] 3,500 G	[12,000] 9,700 G
BUTYLBENZENE, TERT-	98-06-6	[4,200] 3,500 G	[12,000] 9,700 G	30,000 S	30,000 S	[4,200] 3,500 G	[12,000] 9,700 G
BUTYLBENZYL PHTHALATE	85-68-7	[380] 340 G	[1,800] 1,400 G	2,700 S	2,700 S	2,700 S	2,700 S
CAPTAN	133-06-2	[320] 280 G	500 S	500 S	500 S	500 S	500 S
CARBARYL	63-25-2	[4,200] 3,500 G	[12,000] 9,700 G	120,000 S	120,000 S	120,000 S	120,000 S
CARBAZOLE	86-74-8	[37] 33 G	[170] 140 G	1,200 S	1,200 S	[37] 33 [S] G	[170] 140 [S] G
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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		R	NR	R	NR		
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] 10 G	240 G	[1,100] 1,000 G	2.4 G	[11] 10 G
[CHLOROACETOPHENONE, 2-]	[532-27-4]	[1.3] [G]]	[3.5] [G]]	[130] [G]]	[350] [G]]	[1,300] [G]]	[3,500] [G]]
CHLOROANILINE, P-	106-47-8	[3.7] 3.3 G	[17] 14 G	[370] 330 G	[1,700] 1,400 G	[3.7] 3.3 G	[17] 14 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	[6.6] 5.9 G	[31] 25 G	[660] 590 G	[3,100] 2,500 G	[6,600] 5,900 G	13,000 S
CHLOROBUTANE, 1-	109-69-3	[1,700] 1,400 G	[4,700] 3,900 G	[170,000] 140,000 G	[470,000] 390,000 G	[1,700] 1,400 G	[4,700] 3,900 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	[250] [G] 21,000] N	[1,200] [G] 88,000] N	[25,000] [G] 2,100,000] N	[20,000] [G] 5,700,000] S	[25,000] [G] 2,100,000] N	[120,000] [G] 5,700,000] S
CHLOROFORM (THM)	67-66-3	80 M	80 M	8,000 M	8,000 M	800 M	800 M
CHLORONAPHTHALENE, 2-	91-58-7	[3,300] 2,800 G	[9,300] 7,800 G	12,000 S	12,000 S	[3,300] 2,800 G	[9,300] 7,800 G
CHLORONITROBENZENE, P-	100-00-5	[42] 4.2 [G]] N	[120] 18 [G]] N	[4,200] [G] 420] N	[12,000] [G] 1,800] N	[42] 4.2 [G]] N	[120] 18 [G]] N
CHLOROPHENOL, 2-	95-57-8	40 H	40 H	4,000 H	4,000 H	40 H	40 H
CHLOROPRENE	126-99-8	0.16 N	0.83 N	16 N	83 N	16 N	83 N
CHLOROPROPANE, 2-	75-29-6	210 N	880 N	21,000 N	88,000 N	210 N	880 N

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CHLOROTHALONIL	1897-45-6	[240] <u>38</u> G	[600] <u>160</u> [S]] G	600 S	600 S	[240] <u>38</u> G	[600] <u>160</u> [S]] G
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	[2,100] G <u>690</u>	[5,800] G <u>1,900</u>	[190,000] [S]] <u>69,000</u> G	190,000 [S]] G	[2,100] G <u>690</u>	[5,800] G <u>1,900</u>
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] <u>1.8</u> G	1.9 S	1.9 S	1.9 S	1.9 S	1.9 S
CRESOL(S)	1319-77-3	1,300 N	5,300 N	130,000 N	530,000 N	130,000 N	530,000 N
CRESOL, DINITRO-O-,4,6-	534-52-1	[3.3] <u>2.8</u> G	[9.3] <u>7.8</u> G	[330] <u>280</u> G	[930] <u>780</u> G	[3,300] G <u>280</u>	[9,300] G <u>780</u>
CRESOL, O- (METHYLPHENOL, 2-)	95-48-7	[2,100] G <u>1,700</u>	[5,800] G <u>4,900</u>	[210,000] G <u>170,000</u>	[580,000] G <u>490,000</u>	[210,000] G <u>170,000</u>	[580,000] G <u>490,000</u>
CRESOL, M (METHYLPHENOL, 3-)	108-39-4	[2,100] G <u>1,700</u>	[5,800] G <u>4,900</u>	[210,000] G <u>170,000</u>	[580,000] G <u>490,000</u>	[2,100,000] G <u>1,700,000</u>]	2,500,000 S
CRESOL, P (METHYLPHENOL, 4-)	106-44-5	[210] <u>170</u> G	[580] <u>490</u> G	[21,000] G <u>17,000</u>	[58,000] G <u>49,000</u>	[210,000] G <u>170,000</u>	[580,000] G <u>490,000</u>
CRESOL, P-CHLORO-M-	59-50-7	[4,200] G <u>3,500</u>	[12,000] G <u>9,700</u>	[420,000] G <u>350,000</u>	[1,200,000] G <u>970,000</u>]	[4,200] G <u>3,500</u>	[12,000] G <u>9,700</u>
CROTONALDEHYDE	4170-30-3	[0.38] <u>0.34</u> G	[1.8] <u>1.4</u> G	[38] <u>34</u> G	[180] <u>140</u> G	[38] <u>34</u> G	[180] <u>140</u> G
CROTONALDEHYDE, TRANS-	123-73-9	[0.38] <u>0.34</u> G	[1.8] <u>1.4</u> G	[38] <u>34</u> G	[180] <u>140</u> G	[38] <u>34</u> G	[180] <u>140</u> 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	1,500 N	6,200 N	150,000 N	620,000 N	1,500 N	6,200 N
CYFLUTHRIN	68359-37-5	1 S	1 S	1 S	1 S	1 S	1 S
CYROMAZINE	66215-27-8	[310] G <u>17,000</u>	[880] G <u>49,000</u>	[31,000] G <u>1,700,000</u>	[88,000] G <u>4,900,000</u>	[310] G <u>17,000</u>	[880] G <u>49,000</u>
DDD, 4,4'-	72-54-8	[3] <u>2.7</u> G	[14] <u>11</u> G	160 S	160 S	160 S	160 S
DDE, 4,4'-	72-55-9	[2.1] <u>1.9</u> G	[10] <u>8</u> G	40 S	40 S	40 S	40 S
DDT, 4,4'-	50-29-3	[2.1] <u>1.9</u> G	5.5 S	5.5 S	5.5 S	5.5 S	5.5 S

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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	[12] 11 G	[56] 45 G	[1,200] G 1,100	[5,600] G 4,500	[12,000] G 11,000	40,000 S
DIAMINOTOLUENE, 2,4-	95-80-7	[0.18] 0.16 G	[0.85] 0.68 G	[18] 16 G	[85] 68 G	[180] 160 G	[850] 680 G
DIAZINON	333-41-5	1 H	1 H	100 H	100 H	1 H	1 H
DIBENZO[A,H]ANTHRACENE	53-70-3	[0.055] G 0.052	0.6 S	0.6 S	0.6 S	0.6 S	0.6 S
DIBENZOFURAN	132-64-9	[42] 35 G	[120] 97 G	[4,200] G 3,500	4,500 S	[4,500] [S 3,500] G	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	[420] 350 G	[1,200] G 970	20,000 S	20,000 S	[420] 350 G	[1,200] G 970
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	8.4 N	35 N	840 N	3,500 N	840 N	3,500 N
DIBUTYL PHTHALATE, N-	84-74-2	[4,200] G 3,500	[12,000] G 9,700	[400,000] [S 350,000] G	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)	7[6]9-43-6	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	[1.6] 1.4 G	[7.6] 6 G	[160] 140 G	[760] 600 G	[1,600] G 1,400	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

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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 mg/L		TDS > 2500 mg/L		R	NR
		R	NR	R	NR		
DICHLOROPHENOL, 2,4-	120-83-2	20 H	20 H	2,000 H	2,000 H	20,000 H	20,000 H
DICHLOROPHENOXYACETIC 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
DICHLOROPROPENE, 1,3-	542-75-6	[7.3] <u>6.5</u> G	[34] <u>27</u> G	[730] <u>650</u> G	[3,400] <u>2,700</u> G	[730] <u>650</u> G	[3,400] <u>2,700</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	[2.5] <u>2.2</u> G	[12] <u>9.4</u> G	[250] <u>220</u> G	[1,200] <u>940</u> G	[2.5] <u>2.2</u> G	[12] <u>9.4</u> G
DICYCLOPENTADIENE	77-73-6	0.63 N	2.6 N	63 N	260 N	0.63 N	2.6 N
DIELDRIN	60-57-1	[0.046] <u>0.041</u> G	[0.21] <u>0.17</u> G	[4.6] <u>4.1</u> G	[21] <u>17</u> G	[46] <u>41</u> G	170 S
DIETHYL PHTHALATE	84-66-2	[33,000] <u>28,000</u> G	[93,000] <u>78,000</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	[8.3] <u>76</u> G	[23] <u>210</u> G	[830] <u>7,600</u> G	[2,300] <u>21,000</u> G	[8,300] <u>76,000</u> G	[23,000] <u>210,000</u> G
DIMETHOXYBENZIDINE, 3,3-	119-90-4	[0.46] <u>0.41</u> G	[2] <u>1.7</u> G	[46] <u>41</u> G	[210] <u>170</u> G	[460] <u>410</u> G	[2,100] <u>1,700</u> G
DIMETHRIN	70-38-2	36 S	36 S	36 S	36 S	36 S	36 S
DIMETHYLAMINOAZOBENZENE, P-	60-11-7	[0.16] <u>0.14</u> G	[0.74] <u>0.59</u> G	[16] <u>14</u> G	[74] <u>59</u> G	[160] <u>140</u> G	[740] <u>590</u> G
DIMETHYLANILINE, N,N-	121-69-7	[83] <u>24</u> G	[230] <u>100</u> G	[8,300] <u>2,400</u> G	[23,000] <u>10,000</u> G	[8,300] <u>2,400</u> G	[23,000] <u>10,000</u> G
DIMETHYLBENZIDINE, 3,3-	119-93-7	[0.066] <u>0.059</u> G	[0.31] <u>0.25</u> G	[6.6] <u>5.9</u> G	[31] <u>25</u> G	[66] <u>59</u> G	[310] <u>250</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	[830] <u>690</u> G	[2,300] <u>1,900</u> G	[83,000] <u>69,000</u> G	[230,000] <u>190,000</u> G	[830,000] <u>690,000</u> G	[2,300,000] <u>1,900,000</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	[83] <u>69</u> G	[230] <u>190</u> G	[8,300] <u>6,900</u> G	[23,000] <u>19,000</u> G	[83,000] <u>69,000</u> G	[230,000] <u>190,000</u> G
DINITROTOLUENE, 2,4-	121-14-2	[2.4] <u>2.1</u> G	[11] <u>8.8</u> G	[240] <u>210</u> G	[1,100] <u>880</u> G	[2,400] <u>2,100</u> G	[11,000] <u>8,800</u> G

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Regulated Substance	CASRN	Used Aquifers				Nonuse Aquifers	
		TDS ≤ 2500 mg/L		TDS > 2500 mg/L		R	NR
		R	NR	R	NR	R	NR
DINITROTOLUENE, 2,6- (2,6-DNT)	606-20-2	[0.49] <u>0.43</u> G	[2] <u>1.8</u> G	[49] <u>43</u> G	[230] <u>180</u> G	[490] <u>430</u> G	[2,300] <u>1,800</u> G
DINOSEB	88-85-7	7 M	7 M	700 M	700 M	7,000 M	7,000 M
DIOXANE, 1,4-	123-91-1	[6.4] <u>6.5</u> [N]] G	[32] <u>27</u> [N]] G	[640] <u>650</u> [N]] G	[3,200] <u>2,700</u> [N]] G	[64] <u>65</u> [N]] G	[320] <u>270</u> [N]] G
DIPHENAMID	957-51-7	200 H	200 H	20,000 H	20,000 H	200 H	200 H
DIPHENYLAMINE	122-39-4	[1,000] G <u>3,500</u>	[2,900] G <u>9,700</u>	[100,000] [G] <u>300,000</u>] S	[290,000] [G] <u>300,000</u>] S	300,000 S	300,000 S
DIPHENYLHYDRAZINE, 1,2-	122-66-7	[0.91] <u>0.22</u> [G]] N	[4.3] <u>1.1</u> [G]] N	[91] <u>22</u> [G]] N	[250] <u>110</u> [S]] N	[250] <u>22</u> [S]] N	[250] <u>110</u> [S]] N
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	[83] <u>69</u> G	[230] <u>190</u> G	[8,300] G <u>6,900</u>	[23,000] G <u>19,000</u>	[83] <u>69</u> G	[230] <u>190</u> G
ENDOSULFAN	115-29-7	[250] <u>210</u> G	480 S	480 S	480 S	480 S	480 S
ENDOSULFAN I (APLHA)	959-98-8	[250] <u>210</u> G	500 S	500 S	500 S	[250] <u>210</u> G	500 S
ENDOSULFAN II (BETA)	33213-65-9	[250] <u>210</u> G	450 S	450 S	450 S	[250] <u>210</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	[210] <u>170</u> G	[580] <u>490</u> G	[21,000] G <u>17,000</u>	[58,000] G <u>49,000</u>	[210] <u>170</u> G	[580] <u>490</u> G
ETHION	563-12-2	[21] <u>17</u> G	[58] <u>49</u> G	850 S	850 S	[21] <u>17</u> G	[58] <u>49</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	150 [G]] N	620 [G]] N	[150,000] [G] <u>15,000</u>] N	62,000 [G]] N	[150,000] [<u>15,000</u> G] N	62,000 [] G] N

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		TDS ≤ 2500 mg/L		TDS > 2500 mg/L		R	NR
		R	NR	R	NR	R	NR
ETHYL ACRYLATE	140-88-5	[15] <u>14</u> G	[70] <u>57</u> [N] <u>1</u> G	[1,500] G <u>1,400</u>	[7,000] [N] <u>5,700</u> G	[1,500] G <u>1,400</u>	[7,000] [N] <u>5,700</u> G
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	[1,000] G <u>1,700</u>	[2,900] G <u>4,900</u>	[100,000] G <u>170,000</u>	[290,000] [G] <u>370,000</u> S	[1,000] G <u>1,700</u>	[2,900] G <u>4,900</u>
ETHYL ETHER	60-29-7	[8,300] G <u>6,900</u>	[23,000] G <u>19,000</u>	[830,000] G <u>690,000</u>	[2,300,000] G <u>1,900,000</u>	[8,300] G <u>6,900</u>	[23,000] G <u>19,000</u>
ETHYL METHACRYLATE	97-63-2	630 N	2,600 N	63,000 N	260,000 N	630 N	2,600 N
ETHYLENE CHLORHYDRIN	107-07-3	[830] <u>690</u> G	[2,300] G <u>1,900</u>	[83,000] G <u>69,000</u>	[230,000] G <u>190,000</u>	[830] <u>690</u> G	[2,300] G <u>1,900</u>
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	[3.3] <u>2.8</u> G	[9.3] <u>7.8</u> G	[330] <u>280</u> G	[930] <u>780</u> G	[3,300] G <u>2,800</u>	[9,300] G <u>7,800</u>
ETHYLP-NITROPHENYL PHENYLPHOSPHOROTHIOATE	2104-64-5	[0.42] <u>0.35</u> G	[1] <u>0.97</u> G	[42] <u>35</u> G	[120] <u>97</u> G	[0.42] <u>0.35</u> G	[1.2] <u>0.97</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	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	[1,700] G <u>1,400</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	0.63 N	2.6 N	63 N	260 N	6.3 N	26 N
FOSETYL-AL	39148-24-8	[130,000] G <u>87,000</u>	[350,000] G <u>240,000</u>	[13,000,00] G <u>8,700,000</u>	[35,000,00] G <u>24,000,000</u>	[130,000] G <u>87,000</u>	[350,000] G <u>240,000</u>
FURAN	110-00-9	[42] <u>35</u> G	[120] <u>97</u> G	[4,200] G <u>3,500</u>	[12,000] G <u>9,700</u>	[4,200] G <u>3,500</u>	[12,000] G <u>9,700</u>

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		R	NR	R	NR	R	NR
FURFURAL	98-01-1	[110] <u>19</u> [N]] G	[350] <u>78</u> G	[11,000] [N] <u>1,900</u>] G	[35,000] G <u>7,800</u>	[110] <u>19</u> [N]] G	[350] <u>78</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	[9.4] <u>8.4</u> G	[44] <u>35</u> G	[940] <u>840</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	[6,200] [N] <u>5,800</u>] G	9,500 S	9,500 S	1,500 N	[6,200] [N] <u>5,800</u>] G
HEXAZINONE	51235-04-2	400 H	400 H	40,000 H	40,000 H	400 H	400 H
HEXYTHIAZOX (SAVEY)	78587-05-0	500 S	500 S	500 S	500 S	500 S	500 S
HMX	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] <u>11</u> G	[57] <u>45</u> G	[1,200] G <u>1,100</u>	[5,700] G <u>4,500</u>	[12,000] G <u>11,000</u>	[57,000] G <u>45,000</u>
INDENO[1,2,3-CD]PYRENE	193-39-5	[0.19] <u>0.18</u> G	[2.8] <u>2.3</u> G	[19] <u>18</u> G	62 S	62 S	62 S
IPRODIONE	36734-19-7	[1,700] <u>15</u> G	[4,700] <u>62</u> G	[13,000] [S] <u>1,500</u>] G	[13,000] [S] <u>6,200</u>] G	[1,700] <u>15</u> G	[4,700] <u>62</u> G
ISOBUTYL ALCOHOL	78-83-1	[13,000] G <u>10,000</u>	[35,000] G <u>29,000</u>	[1,300,000] G] <u>1,000,000</u>	[3,500,000] G] <u>2,900,000</u>	[1,300,000] G] <u>1,000,000</u>	[3,500,000] G] <u>2,900,000</u>
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	[0.073] G <u>0.065</u>	[0.34] <u>0.27</u> G	[7.3] <u>6.5</u> G	[34] <u>27</u> G	[73] <u>65</u> G	[340] <u>270</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	[210] <u>11</u> G	[580] <u>45</u> G	[21,000] G <u>1,100</u>	[23,000] [S] <u>4,500</u>] G	[210] <u>11</u> G	[580] <u>45</u> G

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		R	NR	R	NR	R	NR
MERPHOS OXIDE	78-48-8	[1.3] <u>35</u> 17 G	[3.5] <u>97</u> 49 G	[130] [G <u>2,300</u>] 1,700 S	[350] [G <u>2,300</u>] S	[1.3] <u>35</u> -17 G	[3.5] <u>97</u> 49 G
METHACRYLONITRILE	126-98-7	[4.2] <u>3.5</u> G	[12] <u>9.7</u> G	[420] <u>350</u> G	[1,200] <u>970</u> G	[4.2] <u>3.5</u> G	[12] <u>9.7</u> G
METHAMIDOPHOS	10265-92-6	[2.1] <u>1.7</u> G	[5.8] <u>4.9</u> G	[210] <u>170</u> G	[580] <u>490</u> G	[2.1] <u>1.7</u> G	[5.8] <u>4.9</u> G
METHANOL	67-56-1	[8,400] N <u>42,000</u>	[35,000] N <u>180,000</u>	[840,000] N <u>4,200,000</u>	[3,500,000] N <u>18,000,000</u> 0	[840,000] N <u>4,200,000</u>	[3,500,000] N <u>18,000,000</u> 0
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] <u>420</u> N	[180] <u>1,800</u> N
METHYL ACETATE	79-20-9	[42,000] G <u>35,000</u>	[120,000] G <u>97,000</u>	[4,200,000] G <u>3,500,000</u>	[12,000,000] G <u>9,700,000</u> 0	[42,000] G <u>35,000</u>	[120,000] G <u>97,000</u>
METHYL ACRYLATE	96-33-3	42 N	180 N	4,200 N	18,000 N	4,200 N	18,000 N
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 N	0.18 N	4.2 N	18 N	0.42 N	1.8 N
METHYL ISOBUTYL KETONE	108-10-1	[3,300] G <u>2,800</u>	[9,300] G <u>7,800</u>	[330,000] G <u>280,000</u>	[930,000] G <u>780,000</u>	[330,000] G <u>280,000</u>	[930,000] G <u>780,000</u>
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	63 N	260 N	6,300 N	26,000 N	63 N	260 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	[7.4] <u>6.6</u> G	[34] <u>27</u> G	[740] <u>660</u> G	[3,400] <u>2,700</u> G	[7.4] <u>6.6</u> G	[34] <u>27</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
METHYLCHLOROPHOXYACETIC 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	[2.3] <u>2.1</u> G	[34] <u>27</u> G	[230] <u>210</u> G	[3,400] <u>2,700</u> G	[2.3] <u>2.1</u> G	[34] <u>27</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 mg/L		TDS > 2500 mg/L		R	NR
		R	NR	R	NR	R	NR
METHYLNAPHTHALENE, 2-	91-57-6	[170] <u>6.3</u> [G]] N	[470] <u>26</u> [G]] N	[17,000] [G] <u>630</u>] N	[25,000] [S] <u>2,600</u>] N	[170] <u>6.3</u> [G]] N	[470] <u>26</u> [G]] N
METHYLSTYRENE, ALPHA	98-83-9	[2,900] G <u>2,400</u>	[8,200] G <u>6,800</u>	[290,000] G <u>240,000</u>	560,000 S	[2,900] G <u>2,400</u>	[8,200] G <u>6,800</u>
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
MEVINPHOS	7786-34-7	<u>0.87</u> G	<u>2.4</u> G	<u>87</u> G	<u>240</u> G	<u>0.87</u> G	<u>2.4</u> G
MONOCHLOROACETIC ACID (HAA)	79-11-8	60 H	60 H	6,000 H	6,000 H	60 H	60 H
NAPHTHALENE	91-20-3	100 H	100 H	10,000 H	10,000 H	[30,000] [S] <u>10,000</u>] H	[30,000] [S] <u>10,000</u>] H
NAPHTHYLAMINE, 1-	134-32-7	[0.41] <u>0.36</u> G	[1.9] <u>1.5</u> G	[41] <u>36</u> G	[190] <u>150</u> G	[410] <u>36</u> G	[1,900] G <u>150</u>
NAPHTHYLAMINE, 2-	91-59-8	[0.41] <u>0.36</u> G	[1.9] <u>1.5</u> G	[41] <u>36</u> G	[190] <u>150</u> G	[410] <u>360</u> G	[1,900] G <u>1,500</u>
NAPROPAMIDE	15299-99-7	4,200 G	12,000 G	70,000 S	70,000 S	4,200 G	12,000 G
NITROANILINE, O-	88-74-4	[420] <u>0.11</u> [G]] N	[1,200] [G] <u>0.44</u>] N	[42,000] [G] <u>11</u>] N	[120,000] [G] <u>44</u>] N	[420] <u>0.11</u> [G]] N	[1,200] [G] <u>0.44</u>] N
NITROANILINE, P-	100-01-6	[37] <u>33</u> G	[170] <u>140</u> G	[3,700] G <u>3,300</u>	[17,000] G <u>14,000</u>	[37] <u>33</u> G	[170] <u>140</u> G
NITROBENZENE	98-95-3	[83] <u>1.2</u> [G]] N	[230] <u>6.3</u> [G]] N	[8,300] [G] <u>120</u>] N	[23,000] [G] <u>630</u>] N	[83,000] [G] <u>120</u>] N	[230,000] [G] <u>630</u>] N
NITROGUANIDINE	556-88-7	700 H	700 H	70,000 H	70,000 H	700 H	700 H
NITROPHENOL, 2-	88-75-5	[330] <u>280</u> G	[930] <u>780</u> G	[33,000] G <u>28,000</u>	[93,000] G <u>78,000</u>	[330,000] G <u>28,000</u>	[930,000] G <u>78,000</u>
NITROPHENOL, 4-	100-02-7	60 H	60 H	6,000 H	6,000 H	[60,000] H <u>6,000</u>	[60,000] H <u>6,000</u>
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

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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 mg/L		TDS > 2500 mg/L		R	NR
		R	NR	R	NR	R	NR
NITROSO-DI-N-BUTYLAMINE, N-	924-16-3	[0.14] <u>0.031</u> [G] N	[0.63] <u>0.16</u> [G] N	[14] <u>3.1</u> [G] N	[63] <u>16</u> [G] N	[140] <u>3.1</u> [G] N	[630] <u>16</u> [G] N
NITROSODI-N-PROPYLAMINE, N-	621-64-7	[0.1] <u>0.025</u> [G] N	[0.49] <u>0.13</u> [G] N	[10] <u>2.5</u> [G] N	[49] <u>13</u> [G] N	[100] <u>0.25</u> [G] N	[490] <u>1.3</u> [G] N
NITROSODIPHENYLAMINE, N-	86-30-6	[150] <u>19</u> [G] N	[690] <u>96</u> [G] N	[15,000] <u>1,900</u> [G] N	[35,000] <u>9,600</u> [S] N	[35,000] <u>1,900</u> [S] N	[35,000] <u>9,600</u> [S] N
NITROSO-N-ETHYLUREA, N-	759-73-9	[0.0084] <u>0.0079</u> G	[0.13] <u>0.1</u> G	[0.84] <u>0.79</u> G	[13] <u>10</u> G	[8.4] <u>7.9</u> G	[130] <u>100</u> G
OCTYL PHTHALATE, DI-N-	117-84-0	[420] <u>350</u> G	[1,200] <u>970</u> 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	[250] <u>1</u> G	[700] <u>2.9</u> G	[20,000] <u>100</u> [S] G	[20,000] <u>290</u> [S] G	[250] <u>1</u> G	[700] <u>2.9</u> G
PCBS, TOTAL (POLYCHLORINATED BIPHENYLS) (AROCLORS)	1336-36-3	0.5 M	0.5 M	50 M	50 M	0.5 M	0.5 M
PCB-1016 (AROCLOR)	12674-11-2	[0.37] <u>2.4</u> G	[1.7] <u>6.8</u> G	[37] <u>240</u> G	[170] <u>250</u> [G] S	[0.37] <u>2.4</u> G	[1.7] <u>6.8</u> G
PCB-1221 (AROCLOR)	11104-28-2	[0.37] <u>0.33</u> G	[1.7] <u>1.4</u> G	[37] <u>33</u> G	[170] <u>140</u> G	[0.37] <u>0.33</u> G	[1.7] <u>1.4</u> G
PCB-1232 (AROCLOR)	11141-16-5	[0.37] <u>0.33</u> G	[1.7] <u>1.4</u> G	[37] <u>33</u> G	[170] <u>140</u> G	[0.37] <u>0.33</u> G	[1.7] <u>1.4</u> G
PCB-1242 (AROCLOR)	53469-21-9	[0.37] <u>0.33</u> G	[1.7] <u>1.4</u> G	[37] <u>33</u> G	100 S	[0.37] <u>0.33</u> G	[1.7] <u>1.4</u> G
PCB-1248 (AROCLOR)	12672-29-6	[0.37] <u>0.33</u> G	[1.7] <u>1.4</u> G	[37] <u>33</u> G	54 S	[0.37] <u>0.33</u> G	[1.7] <u>1.4</u> G
PCB-1254 (AROCLOR)	11097-69-1	[0.37] <u>0.69</u> G	[1.7] <u>1.9</u> G	[37] <u>57</u> [G] S	57 S	[0.37] <u>0.69</u> G	[1.7] <u>1.9</u> G
PCB-1260 (AROCLOR)	11096-82-5	[0.37] <u>0.33</u> G	[1.7] <u>1.4</u> G	[37] <u>33</u> G	80 S	[0.37] <u>0.33</u> G	[1.7] <u>1.4</u> G
PEBULATE	1114-71-2	[2,100] <u>1,700</u> G	[5,800] <u>4,900</u> G	92,000 S	92,000 S	[2,100] <u>1,700</u> G	[5,800] <u>4,900</u> G
PENTACHLOROBENZENE	608-93-5	[33] <u>28</u> G	[93] <u>78</u> G	740 S	740 S	740 S	740 S

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

Regulated Substance	CASRN	Used Aquifers				Nonuse Aquifers	
		TDS ≤ 2500 mg/L		TDS > 2500 mg/L		R	NR
		R	NR	R	NR	R	NR
PENTACHLOROETHANE	76-01-7	[8.1] <u>7.2</u> G	[38] <u>30</u> G	[810] <u>720</u> G	[3,800] <u>3,000</u> G	[8.1] <u>7.2</u> G	[38] <u>30</u> G
PENTACHLORONITROBENZENE	82-68-8	[2.8] <u>2.5</u> G	[13] <u>10</u> G	[280] <u>250</u> 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
PERFLUOROBUTANE SULFONATE (PFBS)	375-73-5	690 G	1,900 G	69,000 G	190,000 G	690 G	1,900 G
PERFLUOROOCCTANE SULFONATE (PFOS)	1763-23-1	0.07 H	0.07 H	7 H	7 H	0.07 H	0.07 H
PERFLUOROOCCTANOIC ACID (PFOA)	335-67-1	0.07 H	0.07 H	7 H	7 H	0.07 H	0.07 H
PHENACETIN	62-44-2	[330] <u>300</u> G	[1,500] <u>1,200</u> G	[33,000] <u>30,000</u> G	[150,000] <u>120,000</u> G	[330,000] <u>300,000</u> 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	[42] <u>35</u> G	[120] <u>97</u> G	[4,200] <u>3,500</u> G	[12,000] <u>9,700</u> G	[42] <u>35</u> G	[120] <u>97</u> G
PHENYLENEDIAMINE, M-	108-45-2	[250] <u>210</u> G	[700] <u>580</u> G	[25,000] <u>21,000</u> G	[70,000] <u>58,000</u> G	[250,000] <u>210,000</u> G	[700,000] <u>580,000</u> G
PHENYLPHENOL, 2-	90-43-7	[380] <u>340</u> G	[1,800] <u>1,400</u> G	[38,000] <u>34,000</u> G	[180,000] <u>140,000</u> G	[380,000] <u>340,000</u> G	700,000 S
PHORATE	298-02-2	[8.3] <u>6.9</u> G	[23] <u>19</u> G	[830] <u>690</u> G	[2,300] <u>1,900</u> G	[8.3] <u>6.9</u> G	[23] <u>19</u> G
PHTHALIC ANHYDRIDE	85-44-9	[83,000] <u>42</u> [G N]	[230,000] <u>180</u> [G N]	[6,200,000] <u>4,200</u> [S N]	[6,200,000] <u>18,000</u> [S N]	[6,200,000] <u>4,200</u> [S N]	[6,200,000] <u>18,000</u> [S N]
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	[3,100] <u>2,600</u> G	[8,800] <u>7,300</u> G	15,000 S	15,000 S	[3,100] <u>2,600</u> G	[8,800] <u>7,300</u> G
PROPACHLOR	1918-16-7	0.1 H	0.1 H	10 H	10 H	10 H	10 H
PROPANIL	709-98-8	[210] <u>170</u> G	[580] <u>490</u> G	[21,000] <u>17,000</u> G	[58,000] <u>49,000</u> G	[210] <u>170</u> G	[580] <u>490</u> G
PROPANOL, 2- (ISOPROPYL ALCOHOL)	67-63-0	420 N	1,800 N	42,000 N	180,000 N	420 N	1,800 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

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		TDS ≤ 2500 mg/L		TDS > 2500 mg/L		R	NR
		R	NR	R	NR		
PROPYLBENZENE, N-	103-65-1	2,100 N	8,800 N	52,000 S	52,000 S	2,100 N	8,800 N
PROPYLENE OXIDE	75-56-9	[3] <u>2.7</u> G	[14] <u>11</u> G	[300] <u>270</u> G	[1,400] <u>1,100</u> G	[3] <u>2.7</u> G	[14] <u>11</u> G
PYRENE	129-00-0	130 S	130 S	130 S	130 S	130 S	130 S
PYRETHRUM	8003-34-7	350 S	350 S	350 S	350 S	350 S	350 S
PYRIDINE	110-86-1	[42] <u>35</u> G	[120] <u>97</u> G	[4,200] <u>3,500</u> G	[12,000] <u>9,700</u> G	[420] <u>350</u> G	[1,200] <u>970</u> G
QUINOLINE	91-22-5	[0.24] <u>0.22</u> G	[1.1] <u>0.91</u> G	[24] <u>22</u> G	[110] <u>91</u> G	[240] <u>220</u> G	[1,100] <u>910</u> G
QUIZALOFOP (ASSURE)	76578-14-8	300 S	300 S	300 S	300 S	300 S	300 S
RDX	121-82-4	2 H	2 H	200 H	200 H	2 H	2 H
RESORCINOL	108-46-3	[83,000] <u>69,000</u> G	[230,000] <u>190,000</u> G	[8,300,000] <u>6,900,000</u> G	[23,000,000] <u>19,000,000</u> G	[83,000] <u>69,000</u> G	[230,000] <u>190,000</u> G
RONNEL	299-84-3	[2,100] <u>1,700</u> G	[5,800] <u>4,900</u> G	40,000 S	40,000 S	[2,100] <u>1,700</u> G	[5,800] <u>4,900</u> G
SIMAZINE	122-34-9	4 M	4 M	400 M	400 M	4 M	4 M
STRYCHNINE	57-24-9	[13] <u>10</u> G	[35] <u>29</u> G	[1,300] <u>1,000</u> G	[3,500] <u>2,900</u> G	[13,000] <u>10,000</u> G	[35,000] <u>29,000</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	[13] <u>10</u> G	[35] <u>29</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	[1,300] <u>1,000</u> G	[3,500] <u>2,900</u> G	[130,000] <u>100,000</u> G	180,000 S	180,000 S	180,000 S
TETRAETHYL LEAD	78-00-2	[0.0042] <u>0.0035</u> G	[0.012] <u>0.0097</u> G	[0.42] <u>0.35</u> G	[1] <u>0.97</u> G	[4.2] <u>3.5</u> G	[12] <u>9.7</u> G
TETRAETHYLDITHIOPYROPHOSPHATE	3689-24-5	[21] <u>17</u> G	[58] <u>49</u> G	[2,100] <u>1,700</u> G	[5,800] <u>4,900</u> G	[21] <u>17</u> G	[58] <u>49</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 mg/L		TDS > 2500 mg/L		R	NR
		R	NR	R	NR	R	NR
TETRAHYDROFURAN	109-99-9	[26] <u>25</u> N	130 N	[2,600] <u>2,500</u> N	13,000 N	[26] <u>25</u> N	130 N
THIOFANOX	39196-18-4	[13] <u>10</u> G	[35] <u>29</u> G	[1,300] <u>1,000</u> G	[3,500] <u>2,900</u> G	[13] <u>10</u> G	[35] <u>29</u> G
THIRAM	137-26-8	[210] <u>520</u> G	[580] <u>1,500</u> G	[21,000] <u>30,000</u> [G]] S	30,000 S	[210] <u>520</u> G	[580] <u>1,500</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	[46] <u>41</u> G	[210] <u>170</u> G	[4,600] <u>4,100</u> G	[21,000] <u>17,000</u> G	[46] <u>41</u> G	[210] <u>170</u> G
TOLUIDINE, O	95-53-4	[46] <u>41</u> G	[210] <u>170</u> G	[4,600] <u>4,100</u> G	[21,000] <u>17,000</u> G	[46,000] <u>41,000</u> G	[210,000] <u>170,000</u> G
TOLUIDINE, P-	106-49-0	[24] <u>22</u> G	[110] <u>91</u> G	[2,400] <u>2,200</u> G	[11,000] <u>9,100</u> G	[24] <u>22</u> G	[110] <u>91</u> G
TOXAPHENE	8001-35-2	3 M	3 M	300 M	300 M	3 M	3 M
TRIALATE	2303-17-5[[540] <u>0.91</u> G	[1,500] <u>3.8</u> G	[4,000] <u>91</u> [S]] G	[4,000] <u>380</u> [S]] G	[540] <u>0.91</u> G	[1,500] <u>3.8</u> G
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] <u>11,000</u> N	[170,000] <u>44,000</u> [S]] N	170,000 S	170,000 S	170,000 S	170,000 S
TRICHLOROACETIC ACID (HAA)	76-03-9	60 [H]] M	60 [H]] M	6,000 [H]] M	6,000 [H]] M	60 [H]] M	60 [H]] M
TRICHLOROBENZENE, 1,2,4-	120-82-1	70 M	70 M	7,000 M	7,000 M	[44,000] <u>7,000</u> [S]] M	[44,000] <u>7,000</u> [S]] M
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	[4,200] <u>3,500</u> G	[12,000] <u>9,700</u> G	[420,000] <u>350,000</u> G	[1,000,000] <u>970,000</u> [S]] G	1,000,000 S	1,000,000 S

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Regulated Substance	CASRN	Used Aquifers				Nonuse Aquifers	
		TDS ≤ 2500 mg/L		TDS > 2500 mg/L		R	NR
		R	NR	R	NR	R	NR
TRICHLOROPHENOL, 2,4,6-	88-06-2	[42] 35 G	[120] 97 G	[4,200] G 3,500	[12,000] G 9,700	[42,000] G 35,000	[120,000] G 97,000
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	[210] 170 G	[580] 490 G	[21,000] G 17,000	[58,000] G 49,000	[210] 170 G	[580] 490 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	0.63 N	2.6 N	63 N	260 N	0.63 N	2.6 N
TRIETHYLAMINE	121-44-8	15 N	62 N	1,500 N	6,200 N	15 N	62 N
TRIETHYLENE GLYCOL	112-27-6	[83,000] G 69,000	[230,000] G 190,000	[8,300,000] G 6,900,000	[23,000,000] G 19,000,000	[83,000] G 69,000	[230,000] G 190,000
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] 130 N	[62] 530 N	[1,500] N 13,000	[6,200] N 53,000	[1,500] N 13,000	[6,200] N 53,000
TRIMETHYLBENZENE, 1,3,5-	108-67-8	[420] 130 [G] N	[1,200] [G] 530 N	[42,000] [G] 13,000 N	49,000 S	[420] 130 [G] N	[1,200] [G] 530 N
TRINITROGLYCEROL (NITROGLYCERIN)	55-63-0	5 H	5 H	500 H	500 H	[5] 500 H	[5] 500 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	[13] 10 G	[35] 29 G	[1,300] G 1,000	[3,500] G 2,900	[13,000] G 10,000	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	[2,100] G 1,700	[5,800] G 4,900	10,000 S	10,000 S	[2,100] G 1,700	[5,800] G 4,900

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