

Appendix A

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

[Regulated Substance] REGULATED SUBSTANCE	CASRN	Used Aquifers				Nonuse Aquifers							
		TDS ≤ 2500 mg/L		TDS > 2500 mg/L		R	NR						
		R	NR	R	NR								
ACENAPHTHENE	83-32-9	[2,500] 2,000	G	3,800	S	3,800	S	3,800	S	3,800	S		
ACENAPHTHYLENE	208-96-8	[2,500] 2,000	G	[7,000] 5,600	G	16,000	S	16,000	S	16,000	S		
ACEPHATE	30560-19-1	[84] 40	G	[390] 110	G	[8,400] 4,000	G	[39,000] 11,000	G	[84] 40	G	[390] 110	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] 30,000	G	[110,000] 84,000	G	[3,800,000] 3,000,000	G	[11,000,000] 8,400,000	G	[380,000] 300,000	G	[1,100,000] 840,000	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	[4,200] 3,300	G	[12,000] 9,300	G	[420,000] 330,000	G	[1,200,000] 930,000	G	[4,200] 3,300	G	[12,000] 9,300	G
ACETYLAMINOFLUORENE, 2- (2AAF)	53-96-3	[0.19] 0.17	G	[0.89] 0.58	G	[19] 17	G	[89] 58	G	[190] 170	G	[890] 580	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] 0.037	G	[0.2] 0.13	G	[4.3] 3.7	G	[20] 13	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
AMINOBIHENYL, 4-	92-67-1	[0.035] 0.03	G	[0.16] 0.1	G	[3.5] 3	G	[16] 10	G	[35] 30	G	[160] 100	G
AMITROLE	61-82-5	[0.78] 0.67	G	[3.6] 2.3	G	[78] 67	G	[360] 230	G	[780] 670	G	[3,600] 2,300	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
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

All concentrations in µg/L
 R = Residential
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 N = Inhalation
 S = Aqueous solubility cap

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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		TDS ≤ 2500 mg/L		TDS > 2500 mg/L		R	NR
		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>50</u> G	[350] <u>140</u> G	[13,000] <u>5,000</u> G	[32,000] <u>14,000</u> S G	[130] <u>50</u> G	[350] <u>140</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>260</u> S G	[2,000] <u>920</u> S G	2,000 S	2,000 S	[2,000] <u>260</u> S G	[2,000] <u>920</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>0.0009</u> G	[0.015] <u>0.0096</u> G	[0.098] <u>0.09</u> G	[1.5] <u>0.96</u> G	[0.98] <u>0.9</u> G	[15] <u>9.6</u> G
BENZO[A]ANTHRACENE	56-55-3	[0.32] <u>0.3</u> G	[4.9] <u>3.1</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>0.17</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>0.17</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>130,000</u> G	[470,000] <u>370,000</u> G	2,700,000 S	2,700,000 S	[170,000] <u>130,000</u> G	[470,000] <u>370,000</u> G
BENZOTRICHLORIDE	98-07-7	[0.056] <u>0.049</u> G	[0.26] <u>0.17</u> G	[5.6] <u>4.9</u> G	[26] <u>17</u> G	[56] <u>4.9</u> G	[260] <u>17</u> G
BENZYL ALCOHOL	100-51-6	[4,200] <u>3,300</u> G	[12,000] <u>9,300</u> G	[420,000] <u>330,000</u> G	[1,200,000] <u>930,000</u> G	[4,200] <u>3,300</u> G	[12,000] <u>9,300</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>0.35</u> G	[12] <u>10</u> G	[54] <u>35</u> G	[120] <u>100</u> G	[540] <u>350</u> G
BHC, BETA-	319-85-7	[0.41] <u>0.35</u> G	[1.9] <u>1.2</u> G	[41] <u>35</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>280</u> G	[13,000] <u>10,000</u> G	[35,000] <u>28,000</u> G	[130] <u>100</u> G	[350] <u>280</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		
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 4,700	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] 6.2 G	[2,300] 21 G	[83,000] G 620	[130,000] [S] 2,100] G	[830] 6.2 G	[2,300] 21 G
BROMOXYNIL OCTANOATE	1689-99-2	[80] 6.2 [S]] G	[80] 21 [S]] G	80 S	80 S	80 S	80 S
BUTADIENE, 1,3-	106-99-0	[0.21] 1.1 G	[1] 3.7 G	[21] 110 G	[100] 370 G	[21] 110 G	[100] 370 G
BUTYL ALCOHOL, N-	71-36-3	[4,200] G 3,300	[12,000] G 9,300	[420,000] G 330,000	[1,200,000] G] 930,000	[42,000] G 33,000	[120,000] G 93,000
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] G 1,700	[5,800] G 4,700	15,000 S	15,000 S	[2,100] G 1,700	[5,800] G 4,700
BUTYLBENZENE, SEC-	135-98-8	[4,200] G 3,300	[12,000] G 9,300	17,000 S	17,000 S	[4,200] G 3,300	[12,000] G 9,300
BUTYLBENZENE, TERT-	98-06-6	[4,200] G 3,300	[12,000] G 9,300	30,000 S	30,000 S	[4,200] G 3,300	[12,000] G 9,300
BUTYLBENZYL PHTHALATE	85-68-7	[380] 330 G	[1,800] G 1,200	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] G 3,300	[12,000] G 9,300	120,000 S	120,000 S	120,000 S	120,000 S
CARBAZOLE	86-74-8	[37] 32 G	[170] 110 G	1,200 S	1,200 S	[37] 32 [S]] G	[170] 110 [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] 2.3 G	[11] 8.1 G	[240] 230 G	[1,100] 810 G	[2.4] 2.3 G	[11] 8.1 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] 3.2 G	[17] 11 G	[370] 320 G	[1,700] 1,100 G	[3.7] 3.2 G	[17] 11 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] 5.8 G	[31] 20 G	[660] 580 G	[3,100] 2,000 G	[6,600] 5,800 G	13,000 S
CHLOROBUTANE, 1-	109-69-3	[1,700] 1,300 G	[4,700] 3,700 G	[170,000] 130,000 G	[470,000] 370,000 G	[1,700] 1,300 G	[4,700] 3,700 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] 2,700 G	[9,300] 7,500 G	12,000 S	12,000 S	[3,300] 2,700 G	[9,300] 7,500 G
CHLORONITROBENZENE, P-	100-00-5	[42] 4.2 [G] [N]	[120] 18 [G] [N]	[4,200] 420 [G] [N]	[12,000] 1,800 [G] [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
CHLOROTHALONIL	1897-45-6	[240] 200 G	600 S	600 S	600 S	[240] 200 G	600 S

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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 670	[5,800] G 1,900	[190,000] S 67,000] G	190,000 S G	[2,100] G 670	[5,800] G 1,900
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] 1.7 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] 2.7 G	[9.3] 7.5 G	[330] 270 G	[930] 750 G	[3,300] G 270	[9,300] G 750
CRESOL, O- (METHYLPHENOL, 2-)	95-48-7	[2,100] G 1,700	[5,800] G 4,700	[210,000] G 170,000	[580,000] G 470,000	[210,000] G 170,000	[580,000] G 470,000
CRESOL, M (METHYLPHENOL, 3-)	108-39-4	[2,100] G 1,700	[5,800] G 4,700	[210,000] G 170,000	[580,000] G 470,000	[2,100,000] G 1,700,000]	2,500,000 S
CRESOL, P (METHYLPHENOL, 4-)	106-44-5	[210] 170 G	[580] 470 G	[21,000] G 17,000	[58,000] G 47,000	[210,000] G 170,000	[580,000] G 470,000
CRESOL, P-CHLORO-M-	59-50-7	[4,200] G 3,300	[12,000] G 9,300	[420,000] G 330,000	[1,200,000] G 930,000]	[4,200] G 3,300	[12,000] G 9,300
CROTONALDEHYDE	4170-30-3	[0.38] 0.33 G	[1.8] 1.2 G	[38] 33 G	[180] 120 G	[38] 33 G	[180] 120 G
CROTONALDEHYDE, TRANS-	123-73-9	[0.38] 0.33 G	[1.8] 1.2 G	[38] 33 G	[180] 120 G	[38] 33 G	[180] 120 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] 500 G	[880] G 1,400	[31,000] G 50,000	[88,000] G 140,000	[310] 500 G	[880] G 1,400
DDD, 4,4'-	72-54-8	[3] 2.6 G	[14] 9.2 G	160 S	160 S	160 S	160 S
DDE, 4,4'-	72-55-9	[2.1] 1.9 G	[10] 6.5 G	40 S	40 S	40 S	40 S
DDT, 4,4'-	50-29-3	[2.1] 1.9 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	[12] 10 G	[56] 36 G	[1,200] G	[5,600] G	[12,000] G	[40,000] S

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				1,000	3,600	10,000	36,000] G
DIAMINOTOLUENE, 2,4-	95-80-7	[0.18] 0.16 G	[0.85] 0.55 G	[18] 16 G	[85] 55 G	[180] 160 G	[850] 550 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 0.051	[0.6] 0.54 [S]] G	0.6 S	0.6 S	0.6 S	0.6 S
DIBENZOFURAN	132-64-9	[42] 33 G	[120] 93 G	[4,200] G 3,300	4,500 S	[4,500] [S 3,300] 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] 330 G	[1,200] G 930	20,000 S	20,000 S	[420] 330 G	[1,200] G 930
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 3,300	[12,000] G 9,300	[400,000] [S 330,000] 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] 4.9 G	[160] 140 G	[760] 490 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

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[Regulated Substance] 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
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
DICHLOROPROPENE, 1,3-	542-75-6	[7.3] 6.3 G	[34] 22 G	[730] 630 G	[3,400] 2,200 G	[730] 630 G	[3,400] 2,200 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] 2.2 G	[12] 7.6 G	[250] 220 G	[1,200] 760 G	[2.5] 2.2 G	[12] 7.6 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] 0.04 G	[0.21] 0.14 G	[4.6] 4 G	[21] 14 G	[46] 40 G	[170] 140 [S]] G
DIETHYL PHTHALATE	84-66-2	[33,000] 27,000 G	[93,000] 75,000 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] 73 G	[23] 210 G	[830] 7,300 G	[2,300] 21,000 G	[8,300] 73,000 G	[23,000] 210,000 G
DIMETHOXYBENZIDINE, 3,3-	119-90-4	[0.46] 0.4 G	[2] 1.4 G	[46] 40 G	[210] 140 G	[460] 400 G	[2,100] 1,400 G
DIMETHRIN	70-38-2	36 S	36 S	36 S	36 S	36 S	36 S
DIMETHYLAMINOAZOBENZENE, P-	60-11-7	[0.16] 0.14 G	[0.74] 0.48 G	[16] 14 G	[74] 48 G	[160] 140 G	[740] 480 G
DIMETHYLANILINE, N,N-	121-69-7	[83] 23 G	[230] 81 G	[8,300] 2,300 G	[23,000] 8,100 G	[8,300] 2,300 G	[23,000] 8,100 G
DIMETHYLBENZIDINE, 3,3-	119-93-7	[0.066] 0.058 G	[0.31] 0.2 G	[6.6] 5.8 G	[31] 20 G	[66] 58 G	[310] 200 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] 670 G	[2,300] 1,900 G	[83,000] 67,000 G	[230,000] 190,000 G	[830,000] 670,000 G	[2,300,000] 1,900,000 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] 67 G	[230] 190 G	[8,300] 6,700 G	[23,000] 19,000 G	[83,000] 67,000 G	[230,000] 190,000 G
DINITROTOLUENE, 2,4-	121-14-2	[2.4] 2 G	[11] 7.1 G	[240] 200 G	[1,100] 710 G	[2,400] 2,000 G	[11,000] 7,100 G

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[Regulated Substance] 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>0.42</u> G	[2] <u>1.5</u> G	[49] <u>42</u> G	[230] <u>150</u> G	[490] <u>420</u> G	[2,300] <u>1,500</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>6.3</u> [N] <u>G</u>	[32] <u>22</u> [N] <u>G</u>	[640] <u>630</u> [N] <u>G</u>	[3,200] <u>2,200</u> [N] <u>G</u>	[64] <u>63</u> [N] <u>G</u>	[320] <u>220</u> [N] <u>G</u>
DIPHENAMID	957-51-7	200 H	200 H	20,000 H	20,000 H	200 H	200 H
DIPHENYLAMINE	122-39-4	[1,000] <u>3,300</u> G	[2,900] <u>9,300</u> G	[100,000] <u>300,000</u> [G] <u>S</u>	[290,000] <u>300,000</u> [G] <u>S</u>	300,000 S	300,000 S
DIPHENYLHYDRAZINE, 1,2-	122-66-7	[0.91] <u>0.22</u> [G] <u>N</u>	[4.3] <u>1.1</u> [G] <u>N</u>	[91] <u>22</u> [G] <u>N</u>	[250] <u>110</u> [S] <u>N</u>	[250] <u>22</u> [S] <u>N</u>	[250] <u>110</u> [S] <u>N</u>
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>67</u> G	[230] <u>190</u> G	[8,300] <u>6,700</u> G	[23,000] <u>19,000</u> G	[83] <u>67</u> G	[230] <u>190</u> G
ENDOSULFAN	115-29-7	[250] <u>200</u> G	480 S	480 S	480 S	480 S	480 S
ENDOSULFAN I (APLHA)	959-98-8	[250] <u>200</u> G	500 S	500 S	500 S	250 G	500 S
ENDOSULFAN II (BETA)	33213-65-9	[250] <u>200</u> G	450 S	450 S	450 S	250 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>470</u> G	[21,000] <u>17,000</u> G	[58,000] <u>47,000</u> G	[210] <u>170</u> G	[580] <u>470</u> G
ETHION	563-12-2	[21] <u>17</u> G	[58] <u>47</u> G	850 S	850 S	[21] <u>17</u> G	[58] <u>47</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] <u>N</u>	620 [G] <u>N</u>	150,000 [G] <u>N</u>	62,000 [G] <u>N</u>	150,000 [G] <u>N</u>	62,000 [G] <u>N</u>
ETHYL ACRYLATE	140-88-5	[15] <u>13</u> G	[70] <u>46</u> [N] <u>G</u>	[1,500] <u>1,300</u> G	[7,000] <u>4,600</u> [N] <u>G</u>	[1,500] <u>1,300</u> G	[7,000] <u>4,600</u> [N] <u>G</u>

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

[Regulated Substance] REGULATED SUBSTANCE	CASRN	Used Aquifers				Nonuse Aquifers	
		TDS ≤ 2500 mg/L		TDS > 2500 mg/L		R	NR
		R	NR	R	NR		
			G		G		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 1,700	[2,900] G 4,700	[100,000] G 170,000	[290,000] G 370,000] S	[1,000] G 1,700	[2,900] G 4,700
ETHYL ETHER	60-29-7	[8,300] G 6,700	[23,000] G 19,000	[830,000] G 670,000	[2,300,000] G 1,900,000]	[8,300] G 6,700	[23,000] G 19,000
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] 670 G	[2,300] G 1,900	[83,000] G 67,000	[230,000] G 190,000	[830] 670 G	[2,300] G 1,900
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] 2.7 G	[9.3] 7.5 G	[330] 270 G	[930] 750 G	[3,300] G 2,700	[9,300] G 7,500
ETHYLP-NITROPHENYL PHENYLPHOSPHOROTHIOATE	2104-64-5	[0.42] 0.33 G	[1] 0.93 G	[42] 33 G	[120] 93 G	[0.42] 0.33 G	[1.2] 0.93 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 1,300	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 84,000	[350,000] G 230,000	[13,000,000] G 0] 8,400,000	[35,000,000] G 0] 23,000,000 0	[130,000] G 84,000	[350,000] G 230,000
FURAN	110-00-9	[42] 33 G	[120] 93 G	[4,200] G 3,300	[12,000] G 9,300	[4,200] G 3,300	[12,000] G 9,300
FURFURAL	98-01-1	[110] 18 [N]] G	[350] 63 G	[11,000] [N 1,800] G	[35,000] G 6,300	[110] 18 [N]] G	[350] 63 G

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		TDS ≤ 2500 mg/L		TDS > 2500 mg/L		R	NR
		R	NR	R	NR		
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] 8.1 G	[44] 28 G	[940] 810 G	[2,900] [S 2,800] G	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 5,600] G	9,500 S	9,500 S	1,500 N	[6,200] [N 5,600] 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] 11 G	[57] 37 G	[1,200] G 1,100	[5,700] G 3,700	[12,000] G 11,000	[57,000] G 37,000
INDENO[1,2,3-CD]PYRENE	193-39-5	[0.19] 0.17 G	[2.8] 1.8 G	[19] 17 G	62 S	62 S	62 S
IPRODIONE	36734-19-7	[1,700] 14 G	[4,700] 50 G	[13,000] [S 1,400] G	[13,000] [S 5,000] G	[1,700] 14 G	[4,700] 50 G
ISOBUTYL ALCOHOL	78-83-1	[13,000] G 10,000	[35,000] G 28,000	[1,300,000] G 1,000,000	[3,500,000] G 2,800,000	[1,300,000] G 1,000,000	[3,500,000] G 2,800,000
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 0.063	[0.34] 0.22 G	[7.3] 6.3 G	[34] 22 G	[73] 63 G	[340] 220 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] 11 G	[580] 37 G	[21,000] G 1,100	[23,000] [S 3,700] G	[210] 11 G	[580] 37 G
MERPHOS OXIDE	78-48-8	[1.3] 33 G	[3.5] 93 G	[130] [G	[350] [G	[1.3] 33 G	[3.5] 93 G

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		TDS ≤ 2500 mg/L		TDS > 2500 mg/L		R	NR
		R	NR	R	NR		
				2,300] S	2,300] S		
METHACRYLONITRILE	126-98-7	[4.2] 3.3 G	[12] 9.3 G	[420] 330 G	[1,200] 930 G	[4.2] 3.3 G	[12] 9.3 G
METHAMIDOPHOS	10265-92-6	[2.1] 1.7 G	[5.8] 4.7 G	[210] 170 G	[580] 470 G	[2.1] 1.7 G	[5.8] 4.7 G
METHANOL	67-56-1	[8,400] N 42,000	[35,000] N 180,000	[840,000] N 4,200,000	[3,500,000] N 18,000,000	[840,000] N 4,200,000	[3,500,000] N 18,000,000
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] 420 N	[180] 1,800 N
METHYL ACETATE	79-20-9	[42,000] G 33,000	[120,000] G 93,000	[4,200,000] G 3,300,000	[12,000,000] G 9,300,000	[42,000] G 33,000	[120,000] G 93,000
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 2,700	[9,300] G 7,500	[330,000] G 270,000	[930,000] G 750,000	[330,000] G 270,000	[930,000] G 750,000
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] 6.4 G	[34] 22 G	[740] 640 G	[3,400] 2,200 G	[7.4] 6.4 G	[34] 22 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	[2.3] 2.1 G	[34] 22 G	[230] 210 G	[3,400] 2,200 G	[2.3] 2.1 G	[34] 22 G
METHYLNAPHTHALENE, 2-	91-57-6	[170] 6.3 [G]	[470] 26 [G]	[17,000] 630 [G]	[25,000] 2,600 [S]	[170] 6.3 [G]	[470] 26 [G]

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Appendix A

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

[Regulated Substance] REGULATED SUBSTANCE	CASRN	Used Aquifers				Nonuse Aquifers	
		TDS ≤ 2500 mg/L		TDS > 2500 mg/L		R	NR
		R	NR	R	NR		
		<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>] N</u>	<u>] N</u>
METHYLSTYRENE, ALPHA	98-83-9	[2,900] G <u>2,300</u>	[8,200] G <u>6,500</u>	[290,000] G <u>230,000</u>	560,000 S	[2,900] G <u>2,300</u>	[8,200] G <u>6,500</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	0.84 G	2.3 G	84 G	230 G	0.84 G	2.3 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>0.35</u> G	[1.9] <u>1.2</u> G	[41] <u>35</u> G	[190] <u>120</u> G	[410] <u>35</u> G	[1,900] G <u>120</u>
NAPHTHYLAMINE, 2-	91-59-8	[0.41] <u>0.35</u> G	[1.9] <u>1.2</u> G	[41] <u>35</u> G	[190] <u>120</u> G	[410] <u>350</u> G	[1,900] G <u>1,200</u>
NAPROPAMIDE	15299-99-7	[4,200] G <u>4,000</u>	[12,000] G <u>11,000</u>	70,000 S	70,000 S	[4,200] G <u>2,000</u>	[12,000] G <u>11,000</u>
NITROANILINE, O-	88-74-4	[420] <u>0.11</u> [G] <u>N</u>	[1,200] [G <u>0.44</u>] <u>N</u>	[42,000] [G <u>11</u>] <u>N</u>	[120,000] [G <u>44</u>] <u>N</u>	[420] <u>0.11</u> [G] <u>N</u>	[1,200] [<u>0.44</u>] G] <u>N</u>
NITROANILINE, P-	100-01-6	[37] <u>32</u> G	[170] <u>110</u> G	[3,700] G <u>3,200</u>	[17,000] G <u>11,000</u>	[37] <u>32</u> G	[170] <u>110</u> G
NITROBENZENE	98-95-3	[83] <u>1.2</u> [G] <u>N</u>	[230] <u>6.3</u> [G] <u>N</u>	[8,300] [G <u>120</u>] <u>N</u>	[23,000] [G <u>630</u>] <u>N</u>	[83,000] [<u>120</u>] G] <u>N</u>	[230,000] [<u>630</u>] G] <u>N</u>
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>270</u> G	[930] <u>750</u> G	[33,000] G <u>27,000</u>	[93,000] G <u>75,000</u>	[330,000] G <u>27,000</u>	[930,000] G <u>75,000</u>
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	[0.14] [G <u>0.031</u>]	[0.63] [G <u>0.031</u>]	[14] <u>3.1</u> [G]]	[63] <u>16</u> [G]]	[140] <u>3.1</u> [G]	[630] <u>16</u> [G]

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Appendix A

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[Regulated Substance] REGULATED SUBSTANCE	CASRN	Used Aquifers				Nonuse Aquifers	
		TDS ≤ 2500 mg/L		TDS > 2500 mg/L		R	NR
		R	NR	R	NR		
		<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>]</u> <u>N</u>	<u>]</u> <u>N</u>
NITROSODI-N-PROPYLAMINE, N-	621-64-7	[0.1] <u>0.025</u> [G] <u>]</u> <u>N</u>	[0.49] <u>0.13</u> [G] <u>]</u> <u>N</u>	[10] <u>2.5</u> [G] <u>]</u> <u>N</u>	[49] <u>13</u> [G] <u>]</u> <u>N</u>	[100] <u>0.25</u> [G] <u>]</u> <u>N</u>	[490] <u>1.3</u> [G] <u>]</u> <u>N</u>
NITROSODIPHENYLAMINE, N-	86-30-6	[150] <u>19</u> [G] <u>]</u> <u>N</u>	[690] <u>96</u> [G] <u>]</u> <u>N</u>	[15,000] <u>1,900</u> [G] <u>]</u> <u>N</u>	[35,000] <u>9,600</u> [S] <u>]</u> <u>N</u>	[35,000] <u>1,900</u> [S] <u>]</u> <u>N</u>	[35,000] <u>9,600</u> [S] <u>]</u> <u>N</u>
NITROSO-N-ETHYLUREA, N-	759-73-9	[0.0084] G <u>0.0077</u>	[0.13] G <u>0.081</u>	[0.84] <u>0.77</u> G	[13] <u>8.1</u> G	[8.4] <u>7.7</u> G	[130] <u>81</u> G
OCTYL PHTHALATE, DI-N-	117-84-0	[420] <u>330</u> G	[1,200] <u>930</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>2.8</u> G	[20,000] <u>100</u> [S] <u>]</u> <u>G</u>	[20,000] <u>280</u> [S] <u>]</u> <u>G</u>	[250] <u>1</u> G	[700] <u>2.8</u> G
PCBs, TOTAL (POLYCHLORINATED BIPHENYLS) (AROCHLORS)	1336-36-3	<u>0.5</u> M	<u>0.5</u> M	<u>50</u> M	<u>50</u> M	<u>0.5</u> M	<u>0.5</u> M
[PCB-1016 (AROCLOR)]	[12674-11-2]	[0.37] [G] <u>]</u>	[1.7] [G] <u>]</u>	[37] [G] <u>]</u>	[170] [G] <u>]</u>	[0.37] [G] <u>]</u>	[1.7] [G] <u>]</u>
[PCB-1221 (AROCLOR)]	[11104-28-2]	[0.37] [G] <u>]</u>	[1.7] [G] <u>]</u>	[37] [G] <u>]</u>	[170] [G] <u>]</u>	[0.37] [G] <u>]</u>	[1.7] [G] <u>]</u>
[PCB-1232 (AROCLOR)]	[11141-16-5]	[0.37] [G] <u>]</u>	[1.7] [G] <u>]</u>	[37] [G] <u>]</u>	[170] [G] <u>]</u>	[0.37] [G] <u>]</u>	[1.7] [G] <u>]</u>
[PCB-1242 (AROCLOR)]	[53469-21-9]	[0.37] [G] <u>]</u>	[1.7] [G] <u>]</u>	[37] [G] <u>]</u>	[100] [S] <u>]</u>	[0.37] [G] <u>]</u>	[1.7] [G] <u>]</u>
[PCB-1248 (AROCLOR)]	[12672-29-6]	[0.37] [G] <u>]</u>	[1.7] [G] <u>]</u>	[37] [G] <u>]</u>	[54] [S] <u>]</u>	[0.37] [G] <u>]</u>	[1.7] [G] <u>]</u>
[PCB-1254 (AROCLOR)]	[11097-69-1]	[0.37] [G] <u>]</u>	[1.7] [G] <u>]</u>	[37] [G] <u>]</u>	[57] [S] <u>]</u>	[0.37] [G] <u>]</u>	[1.7] [G] <u>]</u>

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[Regulated Substance] REGULATED SUBSTANCE	CASRN	Used Aquifers				Nonuse Aquifers	
		TDS ≤ 2500 mg/L		TDS > 2500 mg/L		R	NR
		R	NR	R	NR		
[PCB-1260 (AROCOR)]	[11096-82-5]	[0.37] [G]	[1.7] [G]	[37] [G]	[80] [S]	[0.37] [G]	[1.7] [G]
PEBULATE	1114-71-2	[2,100] G 1,700	[5,800] G 4,700	92,000 S	92,000 S	[2,100] G 1,700	[5,800] G 4,700
PENTACHLOROBENZENE	608-93-5	[33] 27 G	[93] 75 G	740 S	740 S	740 S	740 S
PENTACHLOROETHANE	76-01-7	[8.1] 7 G	[38] 24 G	[810] 700 G	[3,800] G 2,400	[8.1] 7 G	[38] 24 G
PENTACHLORONITROBENZENE	82-68-8	[2.8] 2.4 G	[13] 8.5 G	[280] 240 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	57,000.00 S 0	57,000.00 S 0	57,000.00 S 0	57,000.00 S 0	57,000.00 S 0	57,000.00 S 0
PERFLUOROCTANE SULFONATE (PFOS)	1763-23-1	0.07 H	0.07 H	7 H	7 H	0.07 H	0.07 H
PERFLUOROCTANOIC 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] 290 G	[1,500] G 1,000	[33,000] G 29,000	[150,000] G 100,000	[330,000] G 290,000	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] 33 G	[120] 93 G	[4,200] G 3,300	[12,000] G 9,300	[42] 33 G	[120] 93 G
PHENYLENEDIAMINE, M-	108-45-2	[250] 200 G	[700] 560 G	[25,000] G 20,000	[70,000] G 56,000	[250,000] G 200,000	[700,000] G 560,000
PHENYLPHENOL, 2-	90-43-7	[380] 330 G	[1,800] G 1,100	[38,000] G 33,000	[180,000] G 110,000	[380,000] G 330,000	700,000 S
PHORATE	298-02-2	[8.3] 6.7 G	[23] 19 G	[830] 670 G	[2,300] G 1,900	[8.3] 6.7 G	[23] 19 G
PHTHALIC ANHYDRIDE	85-44-9	[83,000] [G] 42] N	[230,000] [G] 180] N	[6,200,000] [S]] 4,200] N	[6,200,000] [S]] 18,000] N	[6,200,000] [S]] 4,200] N	[6,200,000] [S]] 18,000] 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

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		R	NR	R	NR		
PRONAMIDE	23950-58-5	[3,100] G 2,500	[8,800] G 7,000	15,000 S	15,000 S	[3,100] G 2,500	[8,800] G 7,000
PROPACHLOR	1918-16-7	0.1 H	0.1 H	10 H	10 H	10 H	10 H
PROPANIL	709-98-8	[210] 170 G	[580] 470 G	[21,000] G 17,000	[58,000] G 47,000	[210] 170 G	[580] 470 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
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] 2.6 G	[14] 9.2 G	[300] 260 G	[1,400] G 920	[3] 2.6 G	[14] 9.2 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] 33 G	[120] 93 G	[4,200] G 3,300	[12,000] G 9,300	[420] 330 G	[1,200] G 930
QUINOLINE	91-22-5	[0.24] 0.21 G	[1.1] 0.73 G	[24] 21 G	[110] 73 G	[240] 210 G	[1,100] G 730
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] G 67,000	[230,000] G 190,000	[8,300,000] G 6,700,000	[23,000,000] G 19,000,000 0	[83,000] G 67,000	[230,000] G 190,000
RONNEL	299-84-3	[2,100] G 1,700	[5,800] G 4,700	40,000 S	40,000 S	[2,100] G 1,700	[5,800] G 4,700
SIMAZINE	122-34-9	4 M	4 M	400 M	400 M	4 M	4 M
STRYCHNINE	57-24-9	[13] 10 G	[35] 28 G	[1,300] G 1,000	[3,500] G 2,800	[13,000] G 10,000	[35,000] G 28,000
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] 10 G	[35] 28 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

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		R	NR	R	NR		
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] G <u>1,000</u>	[3,500] G <u>2,800</u>	[130,000] G <u>100,000</u>	180,000 S	180,000 S	180,000 S
TETRAETHYL LEAD	78-00-2	[0.0042] G <u>0.0033</u>	[0.012] G <u>0.0093</u>	[0.42] <u>0.33</u> G	[1] <u>0.93</u> G	[4.2] <u>3.3</u> G	[12] <u>9.3</u> G
TETRAETHYLDITHIOPYROPHOSPHATE	3689-24-5	[21] <u>17</u> G	[58] <u>47</u> G	[2,100] G <u>1,700</u>	[5,800] G <u>4,700</u>	[21] <u>17</u> G	[58] <u>47</u> G
TETRAHYDROFURAN	109-99-9	[26] <u>25</u> N	130 N	[2,600] N <u>2,500</u>	13,000 N	[26] <u>25</u> N	130 N
THIOFANOX	39196-18-4	[13] <u>10</u> G	[35] <u>28</u> G	[1,300] G <u>1,000</u>	[3,500] G <u>2,800</u>	[13] <u>10</u> G	[35] <u>28</u> G
THIRAM	137-26-8	[210] <u>500</u> G	[580] G <u>1,400</u>	[21,000] G <u>30,000</u>	[G] S 30,000 S	[210] <u>500</u> G	[580] G <u>1,400</u>
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>40</u> G	[210] <u>140</u> G	[4,600] G <u>4,000</u>	[21,000] G <u>14,000</u>	[46] <u>40</u> G	[210] <u>140</u> G
TOLUIDINE, O	95-53-4	[46] <u>40</u> G	[210] <u>140</u> G	[4,600] G <u>4,000</u>	[21,000] G <u>14,000</u>	[46,000] G <u>40,000</u>	[210,000] G <u>140,000</u>
TOLUIDINE, P-	106-49-0	[24] <u>21</u> G	[110] <u>73</u> G	[2,400] G <u>2,100</u>	[11,000] G <u>7,300</u>	[24] <u>21</u> G	[110] <u>73</u> G
TOXAPHENE	8001-35-2	3 M	3 M	300 M	300 M	3 M	3 M
TRIALATE	2303-17-5[[540] <u>0.88</u> G	[1,500] <u>3.1</u> G	[4,000] <u>88</u> [S] G <u>310</u>	[4,000] [S] G <u>310</u>	[540] <u>0.88</u> G	[1,500] <u>3.1</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] N <u>11,000</u>	[170,000] [S] N <u>44,000</u>	170,000 S	170,000 S	170,000 S	170,000 S
TRICHLOROACETIC ACID (HAA)	76-03-9	60 H	60 H	6,000 H	6,000 H	60 H	60 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

All concentrations in µg/L
 R = Residential
 NR = Non-Residential
 M = Maximum Contaminant Level
 H = Lifetime health advisory level
 G = Ingestion
 N = Inhalation
 S = Aqueous solubility cap

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.

PFOA and PFOS values listed are for individual or total combined.

Appendix A

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

[Regulated Substance] REGULATED SUBSTANCE	CASRN	Used Aquifers				Nonuse Aquifers	
		TDS ≤ 2500 mg/L		TDS > 2500 mg/L		R	NR
		R	NR	R	NR		
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] G 3,300	[12,000] G 9,300	[420,000] G 330,000	[1,000,000] S 930,000] G	1,000,000 S	1,000,000 S
TRICHLOROPHENOL, 2,4,6-	88-06-2	[42] 33 G	[120] 93 G	[4,200] G 3,300	[12,000] G 9,300	[42,000] G 33,000	[120,000] G 93,000
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] 470 G	[21,000] G 17,000	[58,000] G 47,000	[210] 170 G	[580] 470 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 67,000	[230,000] G 190,000	[8,300,000] G 6,700,000]	[23,000,000] G 19,000,000 0	[83,000] G 67,000	[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] [] 530] G N
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	[13] 10 G	[35] 28 G	[1,300] G 1,000	[3,500] G 2,800	[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	[5,800] G	10,000 S	10,000 S	[2,100] G	[5,800] G

All concentrations in µg/L

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Appendix A

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

<i>[Regulated Substance]</i> <u>REGULATED SUBSTANCE</u>	CASRN	<i>Used Aquifers</i>				<i>Nonuse Aquifers</i>	
		<i>TDS ≤ 2500 <u>mg/L</u></i>		<i>TDS > 2500 <u>mg/L</u></i>		<i>R</i>	<i>NR</i>
		<i>R</i>	<i>NR</i>	<i>R</i>	<i>NR</i>		
		<u>1,700</u>	<u>4,700</u>			<u>1,700</u>	<u>4,700</u>

All concentrations in µg/L

R = Residential

NR = Non-Residential

M = Maximum Contaminant Level

H = Lifetime health advisory level

G = Ingestion

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