

APPENDIX A
TABLE 1 – MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN GROUNDWATER

REGULATED SUBSTANCE	CASRN	USED AQUIFERS				NON-USE AQUIFERS	
		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR		
ACENAPHTHENE	83-32-9	2,200 G	3,800 S	3,800 S	3,800 S	3,800 S	3,800 S
ACENAPHTHYLENE	208-96-8	2,200 G	6,100 G	16,000 S	16,000 S	16,000 S	16,000 S
ACEPHATE	30560-19-1	76 G	300 G	7,600 G	30,000 G	76 G	300 G
ACETALDEHYDE	75-07-0	19 N	[52] 79 N	1,900 N	[5,200] 7,900 N	19 N	[52] 79 N
ACETONE	67-64-1	[3,700] 33,000 G	[10,000] 92,000 G	[370,000] 3,300,000 G	[1,000,000] 9,200,000 G	[37,000] 330,000 G	[100,000] 920,000 G
ACETONITRILE	75-05-8	[170] 130 N	[350] 530 N	[17,000] 13,000 N	[35,000] 53,000 N	[1,700] 1,300 N	[3,500] 5,300 N
ACETOPHENONE	98-86-2	3,700 G	10,000 G	370,000 G	1,000,000 G	3,700 G	10,000 G
ACETYLAMINOFLUORENE, 2- (2AAF)	53-96-3	0.17 G	0.68 G	17 G	68 G	170 G	680 G
ACROLEIN	107-02-8	[0.055] 0.042 N	[0.12] 0.18 N	[5.5] 4.2 N	[12] 18 N	[0.55] 0.42 N	[1.2] 1.8 N
ACRYLAMIDE	79-06-1	[0.033] 0.038 N	[0.14] 0.19 N	[3.3] 3.8 N	[14] 19 N	[0.033] 0.038 N	[0.14] 0.19 N
ACRYLIC ACID	79-10-7	[2.8] 2.1 N	[5.8] 8.8 N	[280] 210 N	[580] 880 N	[280] 210 N	[580] 880 N
ACRYLONITRILE	107-13-1	[0.63] 0.72 N	[2.7] 3.7 N	[63] 72 N	[270] 370 N	[63] 72 N	[270] 370 N
ALACHLOR	15972-60-8	2 M	2 M	200 M	200 M	2 M	2 M
ALDICARB	116-06-3	[7] 3 M	[7] 3 M	[700] 300 M	[700] 300 M	[7,000] 3,000 M	[7,000] 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	[0.0087] [N] 0.039 G	[0.037] [N] 0.15 G	[0.87] 3.9 [N] G	[3.7] 15 [N] G	[0.87] 20 [N] S	[3.7] 20 [N] S
ALLYL ALCOHOL	107-18-6	[49] 0.63 N	[100] 2.6 N	[4,900] 63 N	[10,000] 260 N	[4,900] 63 N	[10,000] 260 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 G	0.12 G	3.1 G	12 G	31 G	120 G
AMITROLE	61-82-5	0.7 G	2.8 G	70 G	280 G	700 G	2,800 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	[2.8] 2.1 N	[5.8] 8.8 N	[280] 210 N	[580] 880 N	[2.8] 2.1 N	[5.8] 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 G	310 G	11,000 G	31,000 G	110 G	310 G

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		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR		
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 G	2,000 S	2,000 S	2,000 S	1,800 G	2,000 S
BENTAZON	25057-89-0	<u>[1,100] 200 [G]</u> <u>H</u>	<u>[3,100] 200 [G]</u> <u>H</u>	<u>[110,000] [G]</u> <u>20,000 H</u>	<u>[310,000] [G]</u> <u>20,000 H</u>	<u>[1,100] 200 [G]</u> <u>H</u>	<u>[3,100] 200 [G]</u> <u>H</u>
BENZENE	71-43-2	5 M	5 M	500 M	500 M	500 M	500 M
BENZIDINE	92-87-5	<u>[0.0029]</u> G <u>0.00093</u>	0.011 G	<u>[0.29] 0.093</u> G	1.1 G	<u>[2.9] 0.93</u> G	11 G
BENZO[A]ANTHRACENE	56-55-3	<u>[0.9] 0.29</u> G	3.6 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	<u>[0.9] 0.29</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 G	410,000 G	2,700,000 S	2,700,000 S	150,000 G	410,000 G
BENZOTRICHLORIDE	98-07-7	0.051 G	0.2 G	5.1 G	20 G	51 G	200 G
BENZYL ALCOHOL	100-51-6	<u>[11,000]</u> G <u>18,000</u>	<u>[31,000]</u> G <u>51,000</u>	<u>[1,100,000]</u> G <u>1,800,000</u>	<u>[3,100,000]</u> G <u>5,100,000</u>	<u>[11,000]</u> G <u>18,000</u>	<u>[31,000]</u> G <u>51,000</u>
BENZYL CHLORIDE	100-44-7	<u>[0.87] 1</u> N	<u>[3.7] 5.1</u> N	<u>[87] 100</u> N	<u>[370] 510</u> N	<u>[87] 100</u> N	<u>[370] 510</u> N
BETA PROPIOLACTONE	57-57-8	<u>0.012</u> N	<u>0.063</u> N	<u>1.2</u> N	<u>6.3</u> N	<u>0.12</u> N	<u>0.63</u> N
BHC, ALPHA-	319-84-6	0.1 G	0.41 G	10 G	41 G	100 G	410 G
BHC, BETA-	319-85-7	0.37 G	1.4 G	37 G	100 S	100 S	100 S
[BHC, DELTA-]	[319-86-8]	<u>[22] [G]</u>	<u>[61] [G]</u>	<u>[2,200] [G]</u>	<u>[6,100] [G]</u>	<u>[8,000] [S]</u>	<u>[8,000] [S]</u>
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 G	5,100 G	7,200 S	7,200 S	7,200 S	7,200 S
BIS(2-CHLOROETHOXY)METHANE	111-91-1	<u>110</u> G	<u>310</u> G	<u>11,000</u> G	<u>31,000</u> G	<u>110</u> G	<u>310</u> G
BIS(2-CHLOROETHYL)ETHER	111-44-4	<u>[0.13] 0.15</u> N	<u>[0.55] 0.76</u> N	<u>[13] 15</u> N	<u>[55] 76</u> N	<u>[13] 15</u> N	<u>[55] 76</u> 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	<u>[0.00069]</u> N <u>0.00079</u>	<u>[0.0029]</u> N <u>0.004</u>	<u>[0.069]</u> N <u>0.079</u>	<u>[0.29] 0.4</u> N	<u>[0.069]</u> N <u>0.079</u>	<u>[0.29] 0.4</u> 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 G	5,100 G	120,000 S	120,000 S	120,000 S	120,000 S
BROMACIL	314-40-9	<u>[80] 70</u> H	<u>[80] 70</u> H	<u>[8,000]</u> H <u>7,000</u>	<u>[8,000]</u> H <u>7,000</u>	<u>[80] 70</u> H	<u>[80] 70</u> H
BROMOCHLOROMETHANE	74-97-5	90 H	90 H	9,000 H	9,000 H	90 H	90 H

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		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR		
BROMODICHLOROMETHANE	75-27-4	[100] <u>80</u> M	[100] <u>80</u> M	[10,000] <u>8,000</u> M	[10,000] <u>8,000</u> M	[100] <u>80</u> M	[100] <u>80</u> 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 G	2,000 G	73,000 G	130,000 S	730 G	2,000 G
BROMOXYNIL OCTANOATE	1689-99-2	80 S	80 S	80 S	80 S	80 S	80 S
BUTADIENE, 1,3-	106-99-0	[0.15] <u>0.19</u> [N] <u>G</u>	[0.65] <u>0.76</u> [N] <u>G</u>	[15] <u>19</u> [N] <u>G</u>	[65] <u>76</u> [N] <u>G</u>	[0.15] <u>19</u> [N] <u>G</u>	[0.65] <u>76</u> [N] <u>G</u>
BUTYL ALCOHOL, N-	71-36-3	[970] <u>3,700</u> [N] <u>G</u>	[2,000] [N] <u>10,000</u> <u>G</u>	[97,000] [N] <u>370,000</u> <u>G</u>	[200,000] [N] <u>1,000,000</u> <u>G</u>	[9,700] [N] <u>37,000</u> <u>G</u>	[20,000] [N] <u>100,000</u> <u>G</u>
BUTYLATE	2008-41-5	[350] <u>400</u> H	[350] <u>400</u> H	[35,000] <u>40,000</u> H	[35,000] <u>40,000</u> H	[350] <u>400</u> H	[350] <u>400</u> H
BUTYLBENZENE, N-	104-51-8	1,500 G	4,100 G	15,000 S	15,000 S	1,500 G	4,100 G
BUTYLBENZENE, SEC-	135-98-8	1,500 G	4,100 G	17,000 S	17,000 S	1,500 G	4,100 G
BUTYLBENZENE, TERT-	98-06-6	1,500 G	4,100 G	30,000 S	30,000 S	1,500 G	4,100 G
BUTYLBENZYL PHTHALATE	85-68-7	[2,700] <u>350</u> [S] <u>G</u>	[2,700] [S] <u>1,400</u> <u>G</u>	2,700 S	2,700 S	2,700 S	2,700 S
CAPTAN	133-06-2	[190] <u>290</u> G	500 S	500 S	500 S	500 S	500 S
CARBARYL	63-25-2	[700] <u>3,700</u> [H] <u>G</u>	[700] [H] <u>10,000</u> <u>G</u>	[70,000] [H] <u>120,000</u> <u>S</u>	[70,000] [H] <u>120,000</u> <u>S</u>	120,000 S	120,000 S
CARBAZOLE	86-74-8	33 G	130 G	1,200 S	1,200 S	1,200 S	1,200 S
CARBOFURAN	1563-66-2	40 M	40 M	4,000 M	4,000 M	40 M	40 M
CARBON DISULFIDE	75-15-0	[1,900] <u>1,500</u> N	[4,100] N <u>6,200</u>	[190,000] N <u>150,000</u>	[410,000] N <u>620,000</u>	[1,900] N <u>1,500</u>	[4,100] N <u>6,200</u>
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	[140,000] <u>110,000</u> N	[290,000] N <u>440,000</u>	1,400,000 S	1,400,000 S	[140,000] N <u>110,000</u>	[290,000] N <u>440,000</u>
CHLORO-1-PROPENE, 3- (ALLYL CHLORIDE)	107-05-1	[2.8] <u>2.1</u> N	[5.8] <u>8.8</u> N	[280] <u>210</u> N	[580] <u>880</u> N	[280] <u>210</u> N	[580] <u>880</u> N
CHLOROACETOPHENONE, 2-	532-27-4	[0.31] <u>1.1</u> G	[0.88] <u>3.1</u> G	[31] <u>110</u> G	[88] <u>310</u> G	[310] <u>1,100</u> G	[880] <u>3,100</u> G
CHLOROANILINE, P-	106-47-8	[150] <u>3.3</u> G	[410] <u>13</u> G	[15,000] <u>330</u> G	[41,000] <u>1,300</u> G	[150] <u>3.3</u> G	[410] <u>13</u> G
CHLOROBENZENE	108-90-7	100 M	100 M	10,000 M	10,000 M	10,000 M	10,000 M

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		R	NR	R	NR		
CHLOROBENZILATE	510-15-6	[2.4] <u>6</u> G	[9.6] <u>24</u> G	[240] <u>600</u> G	[960] <u>2,400</u> G	[2,400] G <u>6,000</u>	[9,600] G <u>13,000</u>
CHLOROBUTANE, 1-	109-69-3	[15,000] G <u>1,500</u>	[41,000] G <u>4,100</u>	[680,000] [S] <u>150,000</u> G	[680,000] [S] <u>410,000</u> G	[15,000] G <u>1,500</u>	[41,000] G <u>4,100</u>
CHLORODIBROMOMETHANE	124-48-1	[100] <u>80</u> M	[100] <u>80</u> M	[10,000] M <u>8,000</u>	[10,000] M <u>8,000</u>	[10,000] M <u>8,000</u>	[10,000] M <u>8,000</u>
CHLORODIFLUOROMETHANE	75-45-6	[100] <u>110,000</u> [H] <u>N</u>	[100] [H] <u>440,000</u> N	[10,000] [H] <u>2,900,000</u> S	[10,000] [H] <u>2,900,000</u> S	[100] [H] <u>110,000</u> N	[100] [H] <u>440,000</u> N
CHLOROETHANE	75-00-3	230 G	900 G	23,000 G	90,000 G	23,000 G	90,000 G
CHLOROFORM	67-66-3	[100] <u>80</u> M	[100] <u>80</u> M	[10,000] M <u>8,000</u>	[10,000] M <u>8,000</u>	[1,000] <u>800</u> M	[1,000] <u>800</u> M
CHLORONAPHTHALENE, 2-	91-58-7	2,900 G	8,200 G	12,000 S	12,000 S	2,900 G	8,200 G
CHLORONITROBENZENE, P-	100-00-5	37 G	[140] <u>100</u> G	3,700 G	[14,000] G <u>10,000</u>	37 G	[140] <u>100</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	[19] <u>15</u> N	[41] <u>62</u> N	[1,900] N <u>1,500</u>	[4,100] N <u>6,200</u>	[1,900] N <u>1,500</u>	[4,100] N <u>6,200</u>
CHLOROPROPANE, 2-	75-29-6	[280] <u>210</u> N	[580] <u>880</u> N	[28,000] N <u>21,000</u>	[58,000] N <u>88,000</u>	[280] <u>210</u> N	[580] <u>880</u> N
CHLOROTHALONIL	1897-45-6	[60] <u>210</u> G	[240] <u>600</u> [G] <u>S</u>	600 S	600 S	[60] <u>210</u> G	[240] <u>600</u> [G] <u>S</u>
CHLOROTOLUENE, O-	95-49-8	100 H	100 H	10,000 H	10,000 H	100 H	100 H
CHLOROTOLUENE, P-	95-49-8	<u>100</u> H	<u>100</u> H	<u>10,000</u> H	<u>10,000</u> H	<u>100</u> H	<u>100</u> H
CHLORPYRIFOS	2921-88-2	[20] <u>2</u> H	[20] <u>2</u> H	[1,100] <u>200</u> [S] <u>H</u>	[1,100] <u>200</u> [S] <u>H</u>	[20] <u>2</u> H	[20] <u>2</u> H
CHLORSULFURON	64902-72-3	1,800 G	5,100 G	[130,000] [S] <u>180,000</u> G	[130,000] S <u>190,000</u>	1,800 G	5,100 G
CHLORTHAL-DIMETHYL (DACTHAL) (DCPA)	1861-32-1	[400] <u>70</u> H	[400] <u>70</u> 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 G	510 G	18,000 G	51,000 G	18,000 G	51,000 G
CRESOL, 4,6-DINOTRO-O-	534-52-1	<u>3.7</u> G	<u>10</u> G	<u>370</u> G	<u>1,000</u> G	<u>3,700</u> G	<u>10,000</u> G
CRESOL, O- (METHYLPHENOL, 2-)	95-48-7	1,800 G	5,100 G	180,000 G	510,000 G	180,000 G	510,000 G
CRESOL, M (METHYLPHENOL, 3-)	108-39-4	1,800 G	5,100 G	180,000 G	510,000 G	1,800,000 G	2,500,000 S
CRESOL, P (METHYLPHENOL, 4-)	106-44-5	180 G	510 G	18,000 G	51,000 G	180,000 G	510,000 G

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CRESOL, P-CHLORO-M-	59-50-7	180 G	510 G	18,000 G	51,000 G	180 G	510 G
CROTONALDEHYDE	4170-30-3	[0.079] <u>0.35</u> [N] G	[0.34] <u>1.4</u> [N] G	[7.9] <u>35</u> [N] G	[34] <u>140</u> [N] G	[7.9] <u>35</u> [N] G	[34] <u>140</u> [N] G
CROTONALDEHYDE, TRANS-	123-73-9	[0.079] <u>0.35</u> [N] G	[0.34] <u>1.4</u> [N] G	[7.9] <u>35</u> [N] G	[34] <u>140</u> [N] G	[7.9] <u>35</u> [N] G	[34] <u>140</u> [N] G
CUMENE (<u>ISOPROPYL BENZENE</u>)	98-82-8	[1,100] <u>840</u> N	[2,300] N <u>3,500</u>	50,000 S	50,000 S	50,000 S	50,000 S
<u>CYANAZINE</u>	<u>21725-46-2</u>	<u>1</u> H	<u>1</u> H	<u>100</u> H	<u>100</u> H	<u>1</u> H	<u>1</u> H
<u>CYCLOHEXANE</u>	<u>110-82-7</u>	<u>13,000</u> N	<u>53,000</u> N	<u>55,000</u> S	<u>55,000</u> S	<u>13,000</u> N	<u>53,000</u> N
CYCLOHEXANONE	108-94-1	[49,000] [N] <u>180,000</u> G	[100,000] [N] <u>510,000</u> G	[4,900,000] [N] <u>18,000,000</u> G	[10,000,000] [N] <u>37,000,000</u> G	[49,000] [N] <u>180,000</u> G	[100,000] [N] <u>510,000</u> G
CYFLUTHRIN	68359-37-5	1 S	1 S	1 S	1 S	1 S	1 S
CYROMAZINE	66215-27-8	270 G	770 G	27,000 G	77,000 G	270 G	770 G
DDD, 4,4'-	72-54-8	[0.62] <u>2.8</u> [N] G	[2.7] <u>11</u> [N] G	[62] <u>160</u> [N] S	160 S	[62] <u>160</u> [N] S	160 S
DDE, 4,4'-	72-55-9	1.9 G	7.6 G	40 S	40 S	40 S	40 S
DDT, 4,4'-	50-29-3	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	[2.5] <u>11</u> [N] G	[10] <u>43</u> [N] G	[250] <u>1,100</u> [N] G	[1,000] [N] <u>4,300</u> G	[250] <u>11,000</u> [N] G	[1,000] [N] <u>40,000</u> S
DIAMINOTOLUENE, 2,4-	95-80-7	[0.21] <u>0.17</u> G	[0.81] <u>0.68</u> G	[21] <u>17</u> G	[81] <u>68</u> G	[210] <u>170</u> G	[810] <u>680</u> G
DIAZINON	333-41-5	[0.6] <u>1</u> H	[0.6] <u>1</u> H	[60] <u>100</u> H	[60] <u>100</u> H	[0.6] <u>1</u> H	[0.6] <u>1</u> H
DIBENZO[A,H]ANTHRACENE	53-70-3	[0.09] <u>0.029</u> G	0.36 G	0.6 S	0.6 S	0.6 S	0.6 S
<u>DIBENZOFURAN</u>	<u>132-64-9</u>	<u>37</u> G	<u>100</u> G	<u>3,700</u> S	<u>4,500</u> S	<u>4,500</u> S	<u>4,500</u> 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 G	1,000 G	20,000 S	20,000 S	370 G	1,000 G
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	[97] <u>370</u> [N] G	[200] <u>1,000</u> [N] G	[9,700] [N] <u>37,000</u> G	[20,000] [N] <u>100,000</u> G	[9,700] [N] <u>37,000</u> G	[20,000] [N] <u>100,000</u> G
DIBUTYL PHTHALATE, N-	84-74-2	3,700 G	10,000 G	370,000 G	400,000 S	400,000 S	400,000 S
<u>DICAMBA</u>	<u>1918-00-9</u>	<u>4,000</u> H	<u>4,000</u> H	<u>400,000</u> H	<u>400,000</u> H	<u>4,000</u> H	<u>4,000</u> H
<u>DICHLOROACETIC ACID</u>	<u>76-43-6</u>	<u>60</u> M	<u>60</u> M	<u>6,000</u> M	<u>6,000</u> M	<u>60</u> M	<u>60</u> M
DICHLORO-2-BUTENE, 1,4-	764-41-0	[0.016] <u>0.012</u> N	[0.069] N <u>0.06</u>	[1.6] <u>1.2</u> N	[6.9] <u>6</u> N	[0.016] N <u>0.012</u>	[0.069] <u>0.06</u> N

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REGULATED SUBSTANCE	CASRN	USED AQUIFERS				NON-USE AQUIFERS	
		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR		
<u>DICHLORO-2-BUTENE, TRANS-1-4,</u>	<u>110-57-6</u>	<u>0.012</u> N	<u>0.06</u> N	<u>1.2</u> N	<u>6</u> N	<u>0.012</u> N	<u>0.06</u> 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 G	5.8 G	150 G	580 G	1,500 G	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	[27] <u>31</u> N	[110] <u>160</u> N	[2,700] <u>3,100</u> N	[11,000] <u>16,000</u> N	[270] <u>310</u> N	[1,100] <u>1,600</u> 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
DICHLOROPHENOXYACETIC ACID, 2,4- (2,4-D)	94-75-7	70 M	70 M	7,000 M	7,000 M	[7,000] <u>70,000</u> M	[7,000] <u>70,000</u> 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	6.6 G	26 G	660 G	2,600 G	660 G	2,600 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	[0.52] <u>2.3</u> [N] G	[2.2] <u>9</u> [N] G	[52] <u>230</u> [N] G	[220] <u>900</u> [N] G	[0.52] <u>2.3</u> [N] G	[2.2] <u>9</u> [N] G
DICYCLOPENTADIENE	77-73-6	[0.55] <u>15</u> N	[1.2] <u>62</u> N	[55] <u>1,500</u> N	[120] <u>6,200</u> N	[0.55] <u>15</u> N	[1.2] <u>62</u> N
DIELDRIN	60-57-1	0.041 G	0.16 G	4.1 G	16 G	41 G	160 G
DIETHYL PHTHALATE	84-66-2	[5,000] [H] <u>29,000</u> G	[5,000] [H] <u>82,000</u> G	[500,000] [H] <u>1,100,000</u> S	[500,000] [H] <u>1,100,000</u> 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
<u>DIISOPROPYL METHYLPHOSPHONATE</u>	<u>1445-75-6</u>	<u>600</u> H	<u>600</u> H	<u>60,000</u> H	<u>60,000</u> H	<u>600</u> H	<u>600</u> H
DIMETHOATE	60-51-5	7.3 G	20 G	730 G	2,000 G	7,300 G	20,000 G
DIMETHOXYBENZIDINE, 3,3-	119-90-4	47 G	190 G	4,700 G	19,000 G	47,000 G	60,000 S
<u>DIMETHRIN</u>	<u>70-38-2</u>	<u>36</u> S	<u>36</u> S	<u>36</u> S	<u>36</u> S	<u>36</u> S	<u>36</u> S
DIMETHYLAMINOAZOBENZENE, P-	60-11-7	0.14 G	0.57 G	14 G	57 G	140 G	570 G
DIMETHYLANILINE, N,N-	121-69-7	73 G	200 G	7,300 G	20,000 G	7,300 G	20,000 G
DIMETHYLBENZIDINE, 3,3-	119-93-7	[0.072] <u>0.06</u> G	[0.28] <u>0.24</u> G	[7.2] <u>6</u> G	[28] <u>24</u> G	[72] <u>60</u> G	[280] <u>240</u> G

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		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR		
<u>DIMETHYL METHYLPHOSPHONATE</u>	<u>756-79-6</u>	<u>100 H</u>	<u>100 H</u>	<u>10,000 H</u>	<u>10,000 H</u>	<u>100 H</u>	<u>100 H</u>
DIMETHYLPHENOL, 2,4-	105-67-9	730 G	2,000 G	73,000 G	200,000 G	730,000 G	2,000,000 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	[19] <u>73</u> [N] <u>G</u>	[41] <u>200</u> [N] <u>G</u>	[1,900] [N] <u>7,300 G</u>	[4,100] [N] <u>20,000 G</u>	[190] <u>73,000</u> [N] <u>G</u>	[410] [N] <u>200,000 G</u>
DINITROTOLUENE, 2,4-	121-14-2	2.1 G	8.4 G	210 G	840 G	2,100 G	8,400 G
DINITROTOLUENE, 2,6- (2,6-DNT)	606-20-2	37 G	100 G	3,700 G	10,000 G	37,000 G	100,000 G
DINOSEB	88-85-7	7 M	7 M	700 M	700 M	[700] 7,000 M	[700] 7,000 M
DIOXANE, 1,4-	123-91-1	[5.6] <u>6.4</u> N	[24] <u>32</u> N	[560] <u>640</u> N	[2,400] N <u>3,200</u>	[56] <u>64</u> N	[240] <u>320</u> N
DIPHENAMID	957-51-7	200 H	200 H	20,000 H	20,000 H	200 H	200 H
DIPHENYLAMINE	122-39-4	[200] <u>910</u> [H] <u>G</u>	[200] <u>2,600</u> [H] <u>G</u>	[20,000] [H] <u>91,000 G</u>	[20,000] [H] <u>260,000 G</u>	[200,000] [H] <u>300,000 S</u>	[200,000] [H] <u>300,000 S</u>
DIPHENYLHYDRAZINE, 1,2-	122-66-7	0.83 G	3.3 G	83 G	250 S	250 <u>S</u>	250 S
DIQUAT	85-00-7	20 M	20 M	2,000 M	2,000 M	20 M	20 M
DISULFOTON	298-04-4	[0.3] <u>0.7</u> H	[0.3] <u>0.7</u> H	[30] <u>70</u> H	[30] <u>70</u> H	[30] <u>700</u> H	[30] <u>700</u> H
<u>DITHIANE, 1,4-</u>	<u>505-29-3</u>	<u>80 H</u>	<u>80 H</u>	<u>8,000 H</u>	<u>8,000 H</u>	<u>80 H</u>	<u>80 H</u>
DIURON	330-54-1	[10] <u>73</u> [H] <u>G</u>	[10] <u>200</u> [H] <u>G</u>	[1,000] [H] <u>7,300 G</u>	[1,000] [H] <u>20,000 G</u>	[10] <u>73</u> [H] <u>G</u>	[10] <u>200</u> [H] <u>G</u>
ENDOSULFAN	115-29-7	[58] <u>220</u> [N] <u>G</u>	[120] <u>480</u> [N] <u>S</u>	480 S	480 S	480 S	480 S
ENDOSULFAN I (APLHA)	959-98-8	220 G	500 S	500 S	500 S	220 G	500 S
ENDOSULFAN II (BETA)	33213-65-9	220 G	450 S	450 S	450 S	220 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	[2.8] <u>2.1</u> N	[5.8] <u>8.8</u> N	[280] <u>210</u> N	[580] <u>880</u> N	[280] <u>210</u> N	[580] <u>880</u> N
ETHEPHON	16672-87-0	180 G	510 G	18,000 G	51,000 G	180 G	510 G
ETHION	563-12-2	18 G	51 G	850 S	850 S	18 G	51 G
ETHOXYETHANOL, 2- (EGEE)	110-80-5	[550] <u>420</u> N	[1,200] N <u>1,800</u>	[55,000] N <u>42,000</u>	[120,000] N <u>180,000</u>	[55,000] N <u>42,000</u>	[120,000] N <u>180,000</u>
ETHYL ACETATE	141-78-6	[8,700] [N] <u>33,000 G</u>	[18,000] [N] <u>92,000 G</u>	[870,000] [N] <u>3,300,000 G</u>	[1,800,000] [N] <u>9,200,000 G</u>	[870,000] [N] <u>3,300,000 G</u>	[1,800,000] [N] <u>9,200,000 G</u>

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		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR		
ETHYL ACRYLATE	140-88-5	[3.1] <u>14</u> [N] G	[13] <u>54</u> [N] G	[310] <u>1,400</u> [N] G	[1,300] [N] <u>5,400</u> G	[310] <u>1,400</u> [N] G	[1,300] [N] <u>5,400</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	910 G	2,600 G	91,000 G	260,000 G	910 G	2,600 G
ETHYL ETHER	60-29-7	[1,900] <u>7,300</u> [N] G	[4,100] [N] <u>20,000</u> G	[190,000] [N] <u>730,000</u> G	[410,000] [N] <u>2,000,000</u> G	[1,900] [N] <u>7,300</u> G	[4,100] [N] <u>20,000</u> G
ETHYL METHACRYLATE	97-63-2	[870] <u>3,300</u> [N] G	[1,800] [N] <u>9,200</u> G	[87,000] [N] <u>330,000</u> G	[180,000] [N] <u>920,000</u> G	[870] <u>3,300</u> [N] G	[1,800] [N] <u>9,200</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	[3] <u>2.9</u> [H] G	[3] <u>8.2</u> [H] G	[300] <u>290</u> [H] G	[300] <u>820</u> [H] G	[3,000] [H] <u>2,900</u> G	[3,000] [H] <u>8,200</u> G
ETHYLP-NITROPHENYL PHENYLPHOSPHOROTHIOATE	2104-64-5	0.37 G	1 G	37 G	100 G	0.37 G	1 G
FENAMIPHOS	22224-92-6	[2] <u>0.7</u> H	[2] <u>0.7</u> H	[200] <u>70</u> H	[200] <u>70</u> H	[2] <u>0.7</u> H	[2] <u>0.7</u> 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	1,500 G	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	[19,000] <u>6.3</u> N	[41,000] <u>26</u> N	[1,900,000] N <u>630</u>	[4,100,000] N <u>2,600</u>	[190,000] <u>63</u> N	[410,000] N <u>260</u>
FOSETYL-AL	39148-24-8	110,000 G	310,000 G	11,000,000 G	31,000,000 G	110,000 G	310,000 G
FURAN	110-00-9	[9.7] <u>37</u> [N] G	[20] <u>100</u> [N] G	[970] <u>3,700</u> [N] G	[2,000] [N] <u>10,000</u> G	[970] <u>3,700</u> [N] G	[2,000] [N] <u>10,000</u> G
FURFURAL	98-01-1	110 [G] N	[290] <u>310</u> [N] G	11,000 [G] N	[29,000] [N] <u>31,000</u> G	110 [G] N	[290] <u>310</u> [N] 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	[1] <u>8.5</u> [H] G	[1] <u>33</u> [H] G	[100] <u>850</u> [H] G	[100] <u>2,900</u> [H] S	[1,000] [H] <u>2,900</u> S	[1,000] [H] <u>2,900</u> S
HEXACHLOROCYCLOPENTADIENE	77-47-4	50 M	50 M	1,800 S	1,800 S	1,800 S	1,800 S

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		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR		
HEXACHLOROETHANE	67-72-1	1 H	1 H	100 H	100 H	100 H	100 H
HEXANE	110-54-3	[550] <u>1,500</u> N	[1,200] [N] <u>6,100</u> G	9,500 S	9,500 S	[550] <u>1,500</u> N	[1,200] [N] <u>6,100</u> G
HEXAZINONE	51235-04-2	<u>400</u> H	<u>400</u> H	<u>40,000</u> H	<u>40,000</u> H	<u>400</u> H	<u>400</u> H
HEXYTHIAZOX (SAVEY)	78587-05-0	500 S	500 S	500 S	500 S	500 S	500 S
HMX	2691-41-0	<u>400</u> H	<u>400</u> H	<u>5,000</u> S	<u>5,000</u> S	<u>400</u> H	<u>400</u> H
HYDRAZINE/HYDRAZINE SULFATE	302-01-2	[0.0088] <u>0.01</u> N	[0.038] N <u>0.051</u>	[0.88] <u>1</u> N	[3.8] <u>5.1</u> N	[0.088] <u>0.1</u> N	[0.38] <u>0.51</u> N
HYDROQUINONE	123-31-9	[1,500] <u>12</u> G	[4,100] <u>46</u> G	[150,000] G <u>1,200</u>	[410,000] G <u>4,600</u>	[1,500,000] G <u>12,000</u>	[4,100,000] G <u>46,000</u>
INDENO[1,2,3-CD]PYRENE	193-39-5	[0.9] <u>0.29</u> G	3.6 G	[62] <u>29</u> [S] G	62 S	62 S	62 S
IPRODIONE	36734-19-7	1,500 G	4,100 G	13,000 S	13,000 S	1,500 G	4,100 G
ISOBUTYL ALCOHOL	78-83-1	[2,900] [N] <u>11,000</u> G	[6,100] [N] <u>31,000</u> G	[290,000] [N] <u>1,100,000</u> G	[610,000] [N] <u>3,100,000</u> G	[290,000] [N] <u>1,100,000</u> G	[610,000] [N] <u>3,100,000</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	<u>700</u> H	<u>700</u> H	<u>70,000</u> H	<u>70,000</u> H	<u>700</u> H	<u>700</u> H
KEPONE	143-50-0	0.041 G	0.16 G	4.1 G	16 G	41 G	160 G
MALATHION	121-75-5	[100] <u>500</u> H	[100] <u>500</u> H	[10,000] H <u>50,000</u>	[10,000] H <u>50,000</u>	[10,000] [H] [100,000] S <u>140,000</u>	[10,000] [H] [100,000] S <u>140,000</u>
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	180 G	510 G	18,000 G	23,000 S	180 G	510 G
MERPHOS OXIDE	78-48-8	1.1 G	3.1 G	110 G	310 G	1.1 G	3.1 G
METHACRYLONITRILE	126-98-7	[1.9] <u>1.5</u> N	[4.1] <u>6.2</u> N	[190] <u>150</u> N	[410] <u>620</u> N	[1.9] <u>1.5</u> N	[4.1] <u>6.2</u> N
METHAMIDOPHOS	10265-92-6	1.8 G	5.1 G	180 G	510 G	1.8 G	5.1 G
METHANOL	67-56-1	[4,900] <u>8,400</u> N	[10,000] N <u>35,000</u>	[490,000] N <u>840,000</u>	[1,000,000] N <u>3,500,000</u>	[490,000] N <u>840,000</u>	[1,000,000] N <u>3,500,000</u>
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	[37] <u>42</u> [G] N	[100] <u>180</u> [G] N	[3,700] [G] <u>4,200</u> N	[10,000] [G] <u>18,000</u> N	[37] <u>42</u> [G] N	[100] <u>180</u> [G] N
METHYL ACETATE	79-20-9	37,000 G	100,000 G	3,700,000 G	10,000,000 G	37,000 G	100,000 G
METHYL ACRYLATE	96-33-3	1,100 G	3,100 G	110,000 G	310,000 G	110,000 G	310,000 G
METHYL CHLORIDE	74-87-3	[3] <u>30</u> H	[3] <u>30</u> H	[300] <u>3,000</u> H	[300] <u>3,000</u> H	[300] <u>3,000</u> H	[300] <u>3,000</u> H

All concentrations in µg/L

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APPENDIX A

TABLE 1 – MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN GROUNDWATER

REGULATED SUBSTANCE	CASRN	USED AQUIFERS				NON-USE AQUIFERS	
		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR		
METHYL ETHYL KETONE	78-93-3	[2,800] <u>4,000</u> [N] H	[5,800] [N] <u>4,000</u> H	[280,000] [N] <u>400,000</u> H	[580,000] [N] <u>400,000</u> H	[280,000] [N] <u>400,000</u> H	[580,000] [N] <u>400,000</u> H
METHYL ISOBUTYL KETONE	108-10-1	[190] <u>2,900</u> [N] G	4[10] <u>8,200</u> [N] G	[19,000] [N] <u>290,000</u> G	[41,000] [N] <u>820,000</u> G	[19,000] [N] <u>290,000</u> G	[41,000] [N] <u>820,000</u> G
<u>METHYL ISOCYANATE</u>	<u>624-83-9</u>	<u>2.1</u> N	<u>8.8</u> N	<u>210</u> N	<u>880</u> N	<u>2.1</u> N	<u>8.8</u> N
<u>METHYL-N-BUTYL KETONE (2-HEXANONE)</u>	<u>591-78-6</u>	<u>11</u> N	<u>44</u> N	<u>1,100</u> N	<u>4,400</u> N	<u>11</u> N	<u>44</u> N
METHYL METHACRYLATE	80-62-6	[1,900] <u>1,500</u> N	[4,100] N <u>6,200</u>	[190,000] N <u>150,000</u>	[410,000] N <u>620,000</u>	[190,000] N <u>150,000</u>	[410,000] N <u>620,000</u>
METHYL METHANESULFONATE	66-27-3	6.7 G	26 G	670 G	2,600 G	6.7 G	26 G
METHYL PARATHION	298-00-0	[2] <u>1</u> H	[2] <u>1</u> H	[200] <u>100</u> H	[200] <u>100</u> H	[200] <u>1,000</u> H	[200] <u>1,000</u> H
METHYL STYRENE (MIXED ISOMERS)	25013-15-4	[220] <u>84</u> [G] N	[610] <u>350</u> [G] N	[22,000] [G] <u>8,400</u> N	[61,000] [G] <u>35,000</u> N	[220] <u>84</u> [G] N	[610] <u>350</u> [G] N
METHYL TERT-BUTYL ETHER (MTBE)	1634-04-4	20 [H]	20 [H]	2,000 [H]	2,000 [H]	200 [H]	200 [H]
<u>METHYLCHLOROPHENOXYACETIC ACID (MCPA)</u>	<u>94-74-6</u>	<u>30</u> H	<u>30</u> H	<u>3,000</u> H	<u>3,000</u> H	<u>30,000</u> H	<u>30,000</u> H
METHYLENE BIS(2-CHLOROANILINE), 4,4'-	101-14-4	[5.1] <u>2.2</u> G	[20] <u>26</u> G	[510] <u>220</u> G	[2,000] G <u>2,600</u>	[5.1] <u>2.2</u> G	[20] <u>26</u> G
METHYLNAPHTHALENE, 2-	91-57-6	[730] <u>150</u> G	[2,000] <u>410</u> G	[25,000] [S] <u>15,000</u> G	25,000 S	[730] <u>150</u> G	[2,000] <u>410</u> G
METHYLSTYRENE, ALPHA	98-83-9	[680] <u>2,600</u> [N] G	[1,400] [N] <u>7,200</u> G	[68,000] [N] <u>260,000</u> G	[140,000] [N] <u>560,000</u> S	[680] <u>2,600</u> [N] G	[1,400] [N] <u>7,200</u> G
<u>METOLACHLOR</u>	<u>51218-45-2</u>	<u>700</u> H	<u>700</u> H	<u>70,000</u> H	<u>70,000</u> H	<u>700</u> H	<u>700</u> H
<u>METRIBUZIN</u>	<u>21087-64-9</u>	<u>70</u> H	<u>70</u> H	<u>7,000</u> H	<u>7,000</u> H	<u>70</u> H	<u>70</u> H
<u>MONOCHLOROACETIC ACID</u>	<u>79-11-8</u>	<u>70</u> H	<u>70</u> H	<u>7,000</u> H	<u>7,000</u> H	<u>70</u> H	<u>70</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 G	1.4 G	37 G	140 G	370 G	1,400 G
NAPHTHYLAMINE, 2-	91-59-8	0.37 G	1.4 G	37 G	140 G	370 G	1,400 G
NAPROPAMIDE	15299-99-7	3,700 G	10,000 G	70,000 S	70,000 S	3,700 G	10,000 G
NITROANILINE, M-	99-09-2	[2.1] <u>11</u> G	[5.8] <u>31</u> G	[210] <u>1,100</u> G	[580] <u>3,100</u> G	[2.1] <u>11</u> G	[5.8] <u>31</u> G
NITROANILINE, O-	88-74-4	[2.1] <u>110</u> G	[5.8] <u>310</u> G	[210] <u>11,000</u> G	[580] <u>31,000</u> G	[2.1] <u>110</u> G	[5.8] <u>310</u> G
NITROANILINE, P-	100-01-6	[2.1] <u>33</u> G	[5.8] <u>130</u> G	[210] <u>3,300</u> G	[580] <u>13,000</u> G	[2.1] <u>33</u> G	[5.8] <u>130</u> G
NITROBENZENE	98-95-3	[18] <u>73</u> G	[51] <u>200</u> G	[1,800] G <u>7,300</u>	[5,100] G <u>20,000</u>	[18,000] G <u>73,000</u>	[51,000] G <u>200,000</u>
<u>NITROGUANIDINE</u>	<u>556-88-7</u>	<u>700</u> H	<u>700</u> H	<u>70,000</u> H	<u>70,000</u> H	<u>700</u> H	<u>700</u> H
NITROPHENOL, 2-	88-75-5	290 G	820 G	29,000 G	82,000 G	290,000 G	820,000 G

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TABLE 1 – MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN GROUNDWATER

REGULATED SUBSTANCE	CASRN	USED AQUIFERS				NON-USE AQUIFERS	
		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR		
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	[0.016] 0.018 N	[0.068] 0.093 N	[1.6] 1.8 N	[6.8] 9.3 N	[0.16] 0.18 N	[0.68] 0.93 N
NITROSODIETHYLAMINE, N-	55-18-5	[0.001] 0.00045 N	[0.0043] 0.0058 N	[0.1] 0.045 N	[0.43] 0.58 N	[0.01] 0.0045 N	[0.043] 0.058 N
NITROSODIMETHYLAMINE, N-	62-75-9	[0.0031] 0.0014 N	[0.013] 0.018 N	[0.31] 0.14 N	[1.3] 1.8 N	[0.031] 0.014 N	[0.13] 0.18 N
NITROSO-DI-N-BUTYLAMINE, N-	924-16-3	[0.027] 0.12 [N] G	[0.11] 0.48 [N] G	[2.7] 12 [N] G	[11] 48 [N] G	[2.7] 120 [N] G	[11] 480 [N] G
NITROSODI-N-PROPYLAMINE, N-	621-64-7	0.094 G	0.37 G	9.4 G	37 G	94 G	370 G
NITROSODIPHENYLAMINE, N-	86-30-6	130 G	530 G	13,000 G	35,000 S	35,000 S	35,000 S
NITROSO-N-ETHYLUREA, N-	759-73-9	[0.0047] 0.008 G	[0.019] 0.096 G	[0.47] 0.8 G	[1.9] 9.6 G	[0.47] 8 G	[1.9] 96 G
OCTYL PHTHALATE, DI-N-	117-84-0	[730] 1,500 G	[2,000] 3,000 [G] S	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 G	610 G	20,000 S	20,000 S	220 G	610 G
PCB-1016 (AROCLOR)	12674-11-2	2.6 G	7.2 G	250 S	250 S	2.6 G	7.2 G
PCB-1221 (AROCLOR)	11104-28-2	[1.3] 0.33 G	[5.2] 1.3 G	[130] 33 G	[520] 130 G	[1.3] 0.33 G	[5.2] 1.3 G
PCB-1232 (AROCLOR)	11141-16-5	[1.3] 0.33 G	[5.2] 1.3 G	[130] 33 G	[520] 130 G	[1.3] 0.33 G	[5.2] 1.3 G
PCB-1242 (AROCLOR)	53469-21-9	[1.3] 0.33 G	[5.2] 1.3 G	[100] 33 [S] G	100 S	[1.3] 0.33 G	[5.2] 1.3 G
PCB-1248 (AROCLOR)	12672-29-6	[0.37] 0.33 G	[1.4] 1.3 G	[37] 33 G	54 S	[0.37] 0.33 G	[1.4] 1.3 G
PCB-1254 (AROCLOR)	11097-69-1	[0.37] 0.33 G	[1.4] 1.3 G	[37] 33 G	57 S	[0.37] 0.33 G	[1.4] 1.3 G
PCB-1260 (AROCLOR)	11096-82-5	[1.1] 0.33 G	[4.3] 1.3 G	[80] 33 [S] G	80 S	[1.1] 0.33 G	[4.3] 1.3 G
PEBULATE	1114-71-2	1,800 G	5,100 G	92,000 S	92,000 S	1,800 G	5,100 G
PENTACHLOROBENZENE	608-93-5	29 G	82 G	740 S	740 S	740 S	740 S
PENTACHLOROETHANE	76-01-7	7.3 G	29 G	730 G	2,900 G	7.3 G	29 G
PENTACHLORONITROBENZENE	82-68-8	2.5 G	10 G	250 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 G	1,200 G	30,000 G	120,000 G	300,000 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

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REGULATED SUBSTANCE	CASRN	USED AQUIFERS				NON-USE AQUIFERS	
		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR		
PHENOL	108-95-2	2,000 H	2,000 H	200,000 H	200,000 H	200,000 H	200,000 H
PHENYL MERCAPTAN	109-98-5	0.37 G	1 G	37 G	100 G	0.37 G	1 G
PHENYLENEDIAMINE, M-	108-45-2	220 G	610 G	22,000 G	61,000 G	220,000 G	610,000 G
PHENYLPHENOL, 2-	90-43-7	[340] 350 G	[1,300] 1,400 G	[34,000] 35,000 G	[130,000] 140,000 G	[340,000] 350,000 G	700,000 S
PHORATE	298-02-2	[1.9] 7.3 [N] G	[4.1] 20 [N] G	[190] 730 [N] G	[410] 2,000 [N] G	[1.9] 7.3 [N] G	[4.1] 20 [N] G
PHTHALIC ANHYDRIDE	85-44-9	73,000 G	200,000 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	[100] 400 H	[400] 400 H	[40,000] 40,000 H	[40,000] 40,000 H	[100] 400 H	[400] 400 H
PRONAMIDE	23950-58-5	[50] 2,700 [H] G	[50] 7,700 [H] G	[5,000] 15,000 [H] S	[5,000] 15,000 [H] S	[50] 2,700 [H] G	[50] 7,700 [H] G
PROPANIL	709-98-8	180 G	510 G	18,000 G	51,000 G	180 G	510 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	[730] 100 [G] H	[2,000] 100 [G] H	[73,000] 10,000 [G] H	[200,000] 10,000 [G] H	[730] 100 [G] H	[2,000] 100 [G] H
PROPYLBENZENE, N-	103-65-1	1,500 G	4,100 G	52,000 S	52,000 S	1,500 G	4,100 G
PROPYLENE OXIDE	75-56-9	2.8 G	11 G	280 G	1,100 G	2.8 G	11 G
PYRENE	129-00-0	130 S	130 S	130 S	130 S	130 S	130 S
PYRIDINE	110-86-1	[9.7] 37 [N] G	[20] 100 [N] G	[970] 3,700 [N] G	[2,000] 10,000 [N] G	[97] 370 [N] G	[200] 1,000 [N] G
QUINOLINE	91-22-5	[0.055] 0.22 G	[0.22] 0.87 G	[5.5] 22 G	[22] 87 G	[55] 220 G	[220] 870 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	73,000 G	200,000 G	7,300,000 G	20,000,000 G	73,000 G	200,000 G
RONNEL	299-84-3	1,800 G	5,100 G	40,000 S	40,000 S	1,800 G	5,100 G
SIMAZINE	122-34-9	4 M	4 M	400 M	400 M	4 M	4 M
STRYCHNINE	57-24-9	11 G	31 G	1,100 G	3,100 G	11,000 G	31,000 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

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		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR		
TERBACIL	5902-51-2	90 H	90 H	9,000 H	9,000 H	90 H	90 H
TERBUFOS	13071-79-9	[0.9] 0.4 H	[0.9] 0.4 H	[90] 40 H	[90] 40 H	[0.9] 0.4 H	[0.9] 0.4 H
TETRACHLOROBENZENE, 1,2,4,5-	95-94-3	11 G	31 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	[0.3] 0.84 [H] N	[0.3] 0.4.3 [H] N	[30] 84 [H] N	[30] 430 [H] N	[30] 84 [H] N	[30] 430 [H] 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	[290] 1,100 [N] G	[610] 3,100 [N] G	[29,000] [N] 110,000 G	[61,000] [N] 180,000 S	[29,000] [N] 180,000 S	[61,000] [N] 180,000 S
TETRAETHYL LEAD	78-00-2	0.0037 G	0.01 G	0.37 G	1 G	3.7 G	10 G
TETRAETHYLDITHIOPYROPHOSPHATE	3689-24-5	[4.9] 18 [N] G	[10] 51 [N] G	[490] 1,800 [N] G	[1,000] [N] 5,100 G	[4.9] 18 [N] G	[10] 51 [N] G
TETRAHYDROFURAN	109-99-9	25 N	130 N	2,500 N	13,000 N	25 N	130 N
THIOFANOX	39196-18-4	11 G	31 G	1,100 G	3,100 G	11 G	31 G
THIRAM	137-26-8	180 G	510 G	18,000 G	30,000 S	180 G	510 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	[2.8] 3.7 G	[11] 14 G	[280] 370 G	[1,100] G 1,400	[2.8] 3.7 G	[11] 14 G
TOLUIDINE, O	95-53-4	[2.8] 3.7 G	[11] 14 G	[280] 370 G	[1,100] G 1,400	[2,800] G 3,700	[11,000] G 14,000
TOLUIDINE, P-	106-49-0	3.5 G	14 G	350 G	1,400 G	3.5 G	14 G
TOXAPHENE	8001-35-2	3 M	3 M	300 M	300 M	3 M	3 M
TRIALATE	2303-17-5	470 G	1,300 G	4,000 S	4,000 S	470 G	1,300 G
TRIBROMOMETHANE (BROMOFORM)	75-25-2	[100] 80 M	[100] 80 M	[10,000] M 8,000	[10,000] M 8,000	[10,000] M 8,000	[10,000] M 8,000
TRICHLORO-1,2,2-TRIFLUOROETHANE, 1,1,2-	76-13-1	[83,000] N 63,000	170,000 S	170,000 S	170,000 S	170,000 S	170,000 S
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	10,000 G	370,000 G	1,000,000 G	1,000,000 S	1,000,000 S

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

APPENDIX A

TABLE 1 – MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN GROUNDWATER

REGULATED SUBSTANCE	CASRN	USED AQUIFERS				NON-USE AQUIFERS	
		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR		
TRICHLOROPHENOL, 2,4,6-	88-06-2	[11] <u>37</u> G	[31] <u>100</u> G	[1,100] <u>3,700</u> G	[3,100] <u>10,000</u> G	[11,000] <u>37,000</u> G	[31,000] <u>100,000</u> G
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 G	510 G	18,000 G	51,000 G	180 G	510 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	[180] <u>2.1</u> [G] N	[510] <u>8.8</u> [G] N	[18,000] <u>210</u> [G] N	[51,000] <u>880</u> [G] N	[180] <u>2.1</u> [G] N	[510] <u>8.8</u> [G] N
TRIETHYLAMINE	121-44-8	15 N	62 N	1,500 N	6,200 N	15 N	62 N
TRIFLURALIN	1582-09-8	[5] <u>10</u> H	[5] <u>10</u> H	[500] <u>1,000</u> H	[500] <u>1,000</u> H	[5] <u>10</u> H	[5] <u>10</u> H
TRIMETHYLBENZENE, 1,3,4- (TRIMETHYLBENZENE, 1,2,4-)	95-63-6	[16] <u>15</u> N	[35] <u>62</u> N	[1,600] <u>1,500</u> N	[3,500] <u>6,200</u> N	[1,600] <u>1,500</u> N	[3,500] <u>6,200</u> N
TRIMETHYLBENZENE, 1,3,5-	108-67-8	[16] <u>13</u> N	[35] <u>53</u> N	[1,600] <u>1,300</u> N	[3,500] <u>5,300</u> N	[16] <u>13</u> N	[35] <u>53</u> 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	[550] <u>420</u> N	[1,200] <u>1,800</u> N	[55,000] <u>42,000</u> N	[120,000] <u>180,000</u> N	[550] <u>420</u> N	[1,200] <u>1,800</u> N
VINYL BROMIDE (BROMOETHENE)	593-60-2	[1.4] <u>1.5</u> N	[5.8] <u>7.8</u> N	[140] <u>150</u> N	[580] <u>780</u> N	[14] <u>15</u> N	[58] <u>78</u> N
VINYL CHLORIDE	75-01-4	2 M	2 M	200 M	200 M	20 M	20 M
WARFARIN	81-81-2	11 G	31 G	1,100 G	3,100 G	11,000 G	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	5,100 G	10,000 S	10,000 S	1,800 G	5,100 G

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