

APPENDIX E

PRIORITY POLLUTANTS REFERRED TO IN
THIS ORDINANCE REFERENCING 17-22 F.A.C.

FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION
GROUND WATER GUIDANCE CONCENTRATIONS*
FEBRUARY 1989

<u>CAS #</u>	<u>Parameter</u>	<u>Guidance* Concentration (ug/L)</u>	<u>Practical Quantitation Level (ug/L)</u>	<u>Basis/ Comment</u>
83-32-9	Acenaphthene	20	10	Organoleptic (AWQCD)
208-96-8	Acenaphthylene	10	10	PQL
67-64-1	Acetone	700	5-10 A	IRIS
5094-66-6	Acifluorfen (Blazer)	10	5-10 A	PQL / $1\text{ug/L} = 10^{-6}$ cancer risk (H.A.)
107-02-8	Acrolein (Propenal)	110	5	EPA PPCL
79-06-1	Acrylamide (2-Propeneamide)	1	1	PQL / $0.01\text{ug/L} = 10^{-6}$ cancer risk (CAG)
107-13-1	Acrylonitrile	2.5	2.5	PQL / $0.063\text{ug/L} = 10^{-6}$ cancer risk (AWQCD)
15972-60-8	Alachlor	1.5	1	Lifetime Health Adv.
116-06-3	Aldicarb (Temik)	10	5	Lifetime Health Adv.
	Aldicarb sulfoxide	10	5	Lifetime Health Adv.
1646-88-4	Aldicarb sulfone	40 **	5	Lifetime Health Adv.
309-00-2	Aldrin	0.05	0.05	PQL / RPC= 0.013ug/L
	Alpha, gross ****	15 pCi/L		Primary D.W. Standard
834-12-8	Ametryn	60	5-10 A	Lifetime Health Adv.
7773-06-0	Ammonium sulfamate	2,000	5-10 X	Lifetime Health Adv.
120-12-7	Anthracene	10	10	PQL
7440-36-0	Antimony	29	20	EPA PPCL (ADI)
"	Arsenic ****	50	5	Primary D.W. Standard
1332-21-4	Asbestos ***	7 million fibers/L	0.1 million fibers/L	Proposed EPA MCL
1912-24-9	Atrazine	3	0.25	Lifetime Health Adv.
	Barium ****	1,000	500	Primary D.W. Standard
114-26-1	Baygon (Propoxur)	10	5-10 A	PQL / $3\text{ug/L} = \text{Lifetime}$ Health Advisory
25057-89-0	Bentazon	20	5-10 A	Lifetime Health Adv.
71-43-2	Benzene ****	1	1	Primary D.W. Standard
	Benzenehexachloride (See Hexachloro- cyclohexane)			
92-87-5	Benzidine	10	10	PQL / $0.00015\text{ug/L} = 10^{-6}$ cancer risk (AWQCD)
56-55-3	Benzo(a)anthracene	10	10	PQL
205-99-2	Benzo(b)fluoranthene	10	10	PQL
207-08-9	Benzo(k)fluoranthene	10	10	PQL

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		Concentration (ug/ L)	Level (ug/ L)	
191-24-2	Benzo(g,h,i)perylene	10	10	PQL
50-32-8	Benzo(a)pyrene	10	10	PQL / $0.003 \mu\text{g/L} = 10^{-6}$ cancer risk (AWQCD)
7440-41-7	Beryllium	5	5	PQL / $0.004 \mu\text{g/L} = 10^{-6}$ cancer risk (AWQCD)
	BHC (See Hexachloro- cyclohexane)			
92-52-4	Biphenyl	10	5-10 A	PQL / $0.5 \mu\text{g/L} =$ organoleptic (RPC)
314-40-9	Bromacil	90	10	Lifetime Health Adv.
75-27-4	Bromodichloromethane (See Trihalomethane)			
75-25-2	Bromoform (See Trihalomethane)			
74-83-9	Bromomethane (Methyl bromide)	20	10	RPC
101-55-3	4-Bromophenyl phenyl ether	10	10	PQL
78-93-3	2-Butanone (See Methyl ethyl ketone)			
123-86-4	n-Butyl acetate	43	5-10 X	Organoleptic (RPC)
2008-41-5	Butylate	700	5-10 A	Lifetime Health Adv.
85-68-7	Butyl benzyl phthalate	1,400	10	IRIS
85-70-1	Butyl phthalyl butyl glycolate	120,000	5-10 A	Water solubility limit (AWQCD ADI=350,000ug/L)
	Cadmium ****	10	10	Primary D.W. Standard
63-25-2	Carbaryl (Sevin)	700	5	Lifetime Health Adv.
1563-66-2	Carbofuran	36	5	Lifetime Health Adv.
108-95-2	Carbolic acid (See Phenol)			
56-23-5	Carbon tetrachloride **** (Tetrachloromethane)	3	1	Primary D.W. Standard
5234-68-4	Carboxin	700	5-10 A	Lifetime Health Adv.
133-90-4	Chloramben	100	5-10 A	Lifetime Health Adv.
57-74-9	Chlordane	0.1	0.1	PQL / $0.027 \mu\text{g/L} = 10^{-6}$ cancer risk (H.A.)
	Chloride ****	250,000	1000	Secondary D.W. Std.
108-90-7	Chlorobenzene	10	1	Organoleptic (H.A.)
124-48-1	Chlorodibromomethane (See Trihalomethane)			

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CAS #	Parameter	Guidance* Quantitation		Basis/ Comment
		Concentration (ug/ L)	Level (ug/ L)	
106-89-8	1-Chloro-2,3-epoxypropane (See Epichlorohydrin)			
75-00-3	Chloroethane (Ethyl chloride)	6,300	2.5	RPC
111-91-1	bis(2-Chloroethoxy) methane	10	10	PQL
75-01-4	Chloroethylene **** (Vinyl chloride)	1	1	Primary D.W. Standard
111-44-4	bis(2-Chloroethyl)ether (Dichloroethyl ether)	10	10	PQL / $0.031 \mu\text{g/ L} = 10^{-6}$ cancer risk (AWQCD)
110-75-8	2-Chloroethyl vinyl ether (Vinyl 2- chloroethyl ether)	1	1	PQL
67-66-3	Chloroform (See Trihalomethane)			
108-60-1	bis(2-Chloroisopropyl) ether	10	10	PQL / $7 \mu\text{g/ L} = \text{EPA}$ PPCL ADI
74-87-3	Chloromethane (Methyl chloride)	3,800	1	EPA PPCL (ADI)
542-88-1	bis(Chloromethyl) ether	10	5-10 A	PQL / $3.8 \times 10^{-6} \mu\text{g/ L} =$ 10^{-6} cancer risk (AWQCD)
59-50-7	4-Chloro-3-methyl phenol (p-chloro- m-cresol)	3,000	10	Organoleptic (AWQCD)
94-74-6	4-Chloro-2-methyl- phenoxy acetic acid (See MCPA)			
91-58-7	2-Chloronaphthalene	10	10	PQL
108-43-0	3-Chlorophenol	10	10	PQL / $0.1 \mu\text{g/ L} =$ organoleptic (AWQCD)
106-48-9	4-Chlorophenol	10	10	PQL / $0.1 \mu\text{g/ L} =$ organoleptic (AWQCD)
7005-72-3	4-Chlorophenyl phenyl ether	10	10	PQL
76-06-2	Chloropicrin	7.3	5	Organoleptic (RPC)
1897-45-6	Chlorothalonil (Bravo)	2	1	10^{-6} cancer risk, Health Advisory
	Chromium ****	50	50	Primary D.W. Standard
218-01-9	Chrysene	10	10	PQL
	Color ****	15 (color units)		Secondary D.W. Std.
	Copper ****	1000	100	Secondary D.W. Std.
21725-46-2	Cyanazine	30	30	PQL / $10 \mu\text{g/ L} = \text{Lifetime}$ Health Advisory

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		Concentration (ug/ L)	Quantitation Level (ug/ L)	
57-12-5	Cyanide	154	40	Lifetime Health Adv.
94-75-7	2,4-D ****	100	5	Primary D.W. Standard
861-32-1	Dacthal (DCPA)	4,000	1	Lifetime Health Adv.
75-99-0	Dalapon (2,2-Dichloro- propionic acid)	200	5-10 A	Lifetime Health Adv.
50-29-3	DOT	0.1	0.1	PQL / $0.004 \text{ ug/ L} = 10^{-6}$ cancer risk (AWQCD)
303-16-4	Diallate	10	10	PQL / $0.045 \text{ ug/ L} = 10^{-6}$ cancer risk (AWQCD)
333-41-5	Diazinon	10	5-10 A	PQL / $0.6 \text{ ug/ L} =$ Lifetime Health Adv.
53-70-3	Dibenzo(a,h) anthracene	10	10	PQL
124-48-1	Dibromochloromethane (See Trihalomethane)			
96-12-8	1,2-Dibromo-3- chloropropane (DBCP)	0.025	0.025	Lifetime Health Adv.
106-93-4	1,2-Dibromoethane **** (Ethylene Dibromide, EDB)	0.02	0.02	Primary D.W. Standard
84-74-2	Di-n-butyl phthalate	700	10	IRIS
918-00-9	Dicamba	200	1	Lifetime Health Adv.
95-50-1	o-Dichlorobenzene (1,2-Dichlorobenzene)	10	2	Organoleptic (H.A.)
541-73-1	m-Dichlorobenzene (1,3-Dichlorobenzene)	10	2	Organoleptic (H.A.)
106-46-7	p-Dichlorobenzene **** (1,4-Dichlorobenzene)	75	2	Primary D.W. Standard
91-94-1	3,3-Dichlorobenzidine	20	20	PQL / $0.021 \text{ ug/ L} = 10^{-6}$ cancer risk (AWQCD)
75-27-4	Dichlorobromomethane (See Trihalomethane)			
75-71-8	Dichlorodifluoro- methane (Freon 12)	1,400	5	IRIS
75-34-3	1,1-Dichloroethane	2,400	1	RPC
107-06-2	1,2-Dichloroethane **** (Ethylene dichloride)	3	1	Primary D.W. Standard
75-35-4	1,1-Dichloroethylene **** (Vinylidene chloride)	7	1	Primary D.W. Standard
156-59-2	cis-1,2-Dichloro- ethylene	4.2	1	Organoleptic (RPC)
156-60-5	trans-1,2-Dichloro- ethylene	4.2	1	Organoleptic (RPC)

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		Concentration (ug/ L)	Level (ug/ L)	
111-44-4	Dichloroethyl ether (See bis(2-Chloro-ethyl) ether)			
108-60-1	Dichloroisopropyl ether (See bis(2-Chloroisopropyl) ether)			
75-09-2	Dichloromethane (See Methylene chloride)			
542-88-1	Dichloromethyl ether (See bis(Chloromethyl ether)			
576-24-9	2,3-Dichlorophenol	10	10	PQL / 0.04ug/ L = organoleptic (AWQCD)
120-83-2	2,4-Dichlorophenol	10	10	PQL / 0.3ug/ L = organoleptic (AWQCD)
583-78-8	2,5-Dichlorophenol	10	10	PQL / 0.5ug/ L = organoleptic (AWQCD)
87-65-0	2,6-Dichlorophenol	10	10	PQL / 0.2ug/ L = organoleptic (AWQCD)
95-77-2	3,4-Dichlorophenol	10	10	PQL / 0.3ug/ L = organoleptic (AWQCD)
78-87-5	1,2-Dichloropropane	1	1	PQL / 0.56 ug/ L=10 ⁻⁸ cancer risk (H.A.) ₆
542-75-6	1,3-Dichloropropene (DCP, Telone)	1	1	PQL / 0.2 ug/ L=10 ⁻⁶ cancer risk (H.A.) ₋₆
60-57-1	Dieldrin	0.05	0.05	PQL / 0.002ug/ L=10 ⁻⁶ cancer risk (H.A.)
117-81-7	Di(2-ethylhexyl) phthalate	14	10	RPC
84-66-2	Diethyl phthalate	5,600	10	IRIS
239-16-1	Dimethrin	2,000	5-10 A	Lifetime Health Adv.
105-67-9	2,4-Dimethyl phenol (2,4-Xylenol)	400	10	Organoleptic (AWQCD)
131-11-3	Dimethyl phthalate	70,000	10	EPA PPCL (ADI)
534-52-1	4,6-Dinitro-o-cresol (2-Methyl-4,6-dinitrophenol)	50	50	PQL
51-28-5	2,4-Dinitrophenol	70	50	EPA PPCL (ADI)
121-14-2	2,4-Dinitrotoluene	10	10	PQL / 0.11ug/ L=10 ⁻⁶ cancer risk (AWQCD)
508-20-2	2,6-Dinitrotoluene	10	10	PQL

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88-85-7	Dinoseb	7	0.5	Lifetime Health Adv.
117-84-0	Di-n-octyl phthalate	10	10	PQL
123-91-1	p-Dioxane (1,4-Dioxane)	10	5-10 A	PQL / 7ug/ L = 10^{-6} cancer risk (CAG)
1746-01-6	Dioxin (See 2,3,7,8-Tetra chlorodibenzo-p-dioxin)			
957-51-7	Diphenamid	200	5-10 A	Lifetime Health Adv.
122-66-7	1,2-Diphenyl hydrazine	10	10	PQL / 0.045ug/ L = 10^{-6} cancer risk (AWQCD)
298-04-4	Disulfoton	10	5-10 A	PQL / 0.3 ug/ L = Lifetime Health Adv.
330-54-1	Diuron	10	5-10 A	Lifetime Health Adv.
15-29-7	Endosulfan (alpha + beta)	0.4	0.05	IRIS
1031-07-8	Endosulfan sulfate	0.3	0.3	PQL
145-73-3	Endothall	100	5-10 X	Lifetime Health Adv.
72-20-8	Endrin ****	0.2	0.03	Primary D.W. Standard
7421-93-4	Endrin aldehyde	0.1	0.1	PQL
106-89-8	Epichlorohydrin (unstable in H ₂ O)	10	5-10 A	PQL / 3.5ug/ L = 10^{-6} cancer risk (H.A.)
75-21-8	1,2-Epoxyethane (See Ethylene oxide)			
563-12-2	Ethion	14	0.5	RPC
141-78-6	Ethyl acetate	100	5-10 X	Organoleptic (RPC)
100-41-4	Ethylbenzene	2	2	PQL / 1.6 ug/ L = organoleptic (RPC)
75-00-3	Ethylchloride (See Chloroethane)			
166-93-4	Ethylene dibromide **** (EDB, 1,2-Dibromo- ethane)	0.02	0.02	Primary D.W. Standard
107-06-2	Ethylene dichloride **** (1,2-Dichloroethane)	3	1	Primary D.W. Standard
107-21-1	Ethylene glycol	7,000	5-10 X	Lifetime Health Adv.
75-21-8	Ethylene oxide (unstable in H ₂ O)	10	5-10 A	PQL / 0.028ug/ L = 10^{-6} cancer risk (EPA PPCL)
96-45-7	Ethylene thiourea (2-imidazoli- dinethione)	0.5	0.5 X	PQL / 0.2 ug/ L = 10^{-6} cancer risk (H.A.)
84-72-0	Ethyl phthalate ethyl glycolate	17,500	5-10 A	EPA PPCL (ADI)
22224-92-6	Fenamiphos	10	5-10 X	PQL / 2 ug/ L = Lifetime Health Adv.

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		Concentration (ug/ L)	Level (ug/ L)	
2164-17-2	Fluometuron	90	50	Lifetime Health Adv.
206-44-0	Fluoranthene (Idryl)	42	10	EPA PPCL (ADI)
86-73-7	Fluorene	10	10	PQL
	Fluoride ****	4,000	10	Primary D.W. Standard
	Fluoride ****	2,000	10	Secondary D.W. Std.
75-69-4	Fluorotrichloromethane (See Trichloromono fluoromethane)			
	Foaming agents ****	500	100	Secondary D.W. Std.
944-22-9	Fonofos	10	5-10 A	Lifetime Health Adv.
50-00-0	Formaldehyde	50	50	PQL / 4.1 ug/ L = RPC
1071-83-6	Glyphosate (Roundup)	700	25	Lifetime Health Adv.
76-44-8	Heptachlor	0.076	0.05	10 ⁻⁶ cancer risk, H.A.
1024-57-3	Heptachlor epoxide	0.1	0.1	PQL / 0.038 ug/ L = 10 ⁻⁶ cancer risk (H.A.)
118-74-1	Hexachlorobenzene (HCB)	10	10	PQL / 0.02ug/ L = 10 ⁻⁶ cancer risk (CAG)
87-68-3	Hexachlorobutadiene	10	10	PQL / 0.45ug/ L = 10 ⁻⁶ cancer risk (AWQCD)
319-84-6	alpha-Hexachloro- cyclohexane (BHC)	0.05	0.05	PQL / 0.0035ug/ L = 10 ⁻⁶ cancer risk (CAG)
319-85-7	beta-Hexachloro- cyclohexane (BHC)	0.05	0.05	PQL / 0.01ug/ L = 10 ⁻⁶ cancer risk (CAG)
58-89-9	gamma-Hexachloro- cyclohexane **** (Lindane)	4	0.05	Primary D.W. Standard
319-86-8	delta-Hexachloro- cyclohexane (BHC)	0.05	0.05	PQL
77-47-4	Hexachlorocyclo- pentadiene	10	10	PQL / 1 ug/ L = organoleptic (AWQCD)
67-72-1	Hexachloroethane	10	10	PQL / 3.4ug/ L = 10 ⁻⁶ cancer risk (AWQCD)
110-54-3	n-Hexane	10	5-10 A	PQL / 6.4ug/ L = organoleptic (RPC)
51235-04-2	Hexazinone (Velpar)	200	5	Lifetime Health Adv.
206-44-0	Idryl (See Fluoranthene)			
96-45-7	2-Imidazoli- dinethione (See Ethylene thiourea)			
193-39-5	Indeno(1,2,3-cd) pyrene	10	10	PQL
	Iron ****	300	150	Secondary D.W. Std.

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78-59-1	Isoacetophorone (See Isophorone)			
78-59-1	Isophorone	1,050 #	10	AWQCD (ADI)
98-82-8	Isopropyl benzene (Cumene)	10	5-10 A	PQL / 0.8ug/ L = organoleptic (RPC)
	Lead ****	50	50	Primary D.W. Standard
58-89-9	Lindane ****	4	0.05	Primary D.W. Standard
330-55-2	Linuron	22	0.05	RPC
123-33-1	Maleic hydrazide	4,000	5-10X	Lifetime Health Adv.
1327-38-2	Maneb	75	75	PQL / 14 ug/ L = RPC
	Manganese ****	50	25	Secondary D.W. Std.
94-74-6	MCPA (4-Chloro-2- methylphenoxy acetic acid)	1,000	1,000 A	PQL / 4 ug/ L = Lifetime Health Adv.
	Mercury ****	2	0.2	Primary D.W. Standard
1265-92-6	Methamidophos	18	5-10 X	RPC
752-77-5	Methomyl	200	50	Lifetime Health Adv.
72-43-5	Methoxychlor ****	100	0.5	Primary D.W. Standard
74-83-9	Methyl bromide (See Bromomethane)			
74-87-3	Methyl chloride (See Chloromethane)			
534-52-1	2-Methyl-4,6-dinitro- phenol (See 4,6-Di- nitro-o-cresol)			
75-09-2	Methylene chloride (Dichloromethane)	5	1	10 ⁻⁶ cancer risk (Health Advisory)
78-93-3	Methyl ethyl ketone (MEK, 2-Butanone)	170 #	10	Lifetime Health Adv.
60-34-4	Methyl hydrazine	10	5-10 A	PQL / 0.03ug/ L=10 ⁻⁶ cancer risk (EPA PPCL)
108-10-1	Methyl isobutyl ketone (4-Methyl-2-pentanone)	350 #	5	IRIS
298-00-0	Methyl parathion	10	5-10 A	PQL / 2ug/ L = Lifetime Health Adv.
218-45-2	Metolachlor	100	5-10 A	Lifetime Health Adv.
087-64-9	Metribuzin	200	2	Lifetime Health Adv.
385-85-5	Mirex	3.5	0.1	RPC
91-20-3	Napthalene	10	10	PQL / 6.8ug/ L = organoleptic (RPC)
440-02-0	Nickel	150	50	Lifetime Health Adv.
	Nitrate (as N) ****	10,000	5	Primary D.W. Standard
	Nitrite (as N)	1,000	100	Health Advisory

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98-95-3	Nitrobenzene	30	10	Organoleptic (AWQCD) PQL
88-75-5	2-Nitrophenol (o-Nitrophenol)	20	20	
100-02-7	4-Nitrophenol (p-Nitrophenol)	10	10	PQL
924-16-3	N-Nitrosodi-n- butylamine	10	5-10 A	PQL / 0.0064ug/ L=10 ⁻⁶ cancer risk (AWQCD)
55-18-5	N-Nitrosodi- ethylamine	10	5-10 A	PQL / 0.0008ug/ L=10 ⁻⁶ cancer risk (AWQCD)
62-75-9	N-Nitrosodi- methylamine	20	20	PQL / 0.0014ug/ L=10 ⁻⁶ cancer risk (AWQCD)
86-30-6	N-Nitrosodi- phenylamine	10	10	PQL / 0.0001ug/ L=10 ⁻⁶ cancer risk (EPA PPCL)
759-73-9	N-Nitroso-N- ethylurea	10	5-10 X	PQL / 0.001ug/ L=10 ⁻⁶ cancer risk (EPA PPCL)
684-93-5	N-Nitroso-N- methylurea	10	5-10 X	PQL / 0.0001ug/ L=10 ⁻⁶ cancer risk (EPA PPCL)
621-64-7	N-Nitrosodi-n- propylamine	10	10	PQL
930-55-2	Nitrosopyrrolidine	10	10	PQL / 0.016ug/ L=10 ⁻⁶ cancer risk (AWQCD)
	Odor ****	3 T.O.N.		Secondary D.W. Std.
23135-22-0	Oxamyl (Vydate)	175	10	Lifetime Health Adv.
75-21-8	Oxirane (See Ethylene oxide)			
1910-42-5	Paraquat	30	5-10 X	Lifetime Health Adv.
608-93-5	Pentachlorobenzene	120	10	EPA PPCL (ADI)
87-86-5	Pentachlorophenol (PCP)	30	10	Organoleptic (RPC)
127-18-4	Perchloroethylene **** (Tetrachloro- ethylene)	3	1	Primary D.W. Standard
	pH ****	6.5-8.5 (standard units)		Secondary D.W. Std.
85-01-8	Phenathrene	10	10	PQL
108-95-2	Phenol (Carbolic acid)	20	10	Organoleptic (RPC)
103-85-8	N-Phenylthiourea	1,400	5-10 A	EPA PPCL (ADI)
1918-02-1	Picloram	500	5-10 A	Lifetime Health Adv.
1336-36-3	Polychlorinated Biphenyls (PCBs)	0.5	0.5	PQL / 0.008 ug/ L=10 ⁻⁶ cancer risk (H.A.)
1610-18-0	Prometon	100	5-10 A	Lifetime Health Adv.
23950-58-5	Pronamide	50	5-10 A	Lifetime Health Adv.
1918-16-7	Propachlor	90	5-10 A	Lifetime Health Adv.
139-40-2	Propazine	10	5-10 A	Lifetime Health Adv.

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107-02-8	Propenal (See Acrolein)			
76-06-1	2-Propeneamide (see Acrylamide)			
122-42-9	Propham	100	5-10 A	Lifetime Health Adv.
129-00-0	Pyrene	10	10	PQL
	Radium-226+228 ****	5 pCi/ L		Primary D.W. Standard
	Selenium ****	10	5	Primary D.W. Standard
	Silver ****	50	50	Primary D.W. Standard
93-72-1	Silvex (2,4,5-TP) ****	10	1	Primary D.W. Standard
122-34-9	Simazine	10	5-10 A	PQL / 4ug/ L=Lifetime H.A.
	Sodium ****	160,000	500	Primary D.W. Standard
100-42-5	Styrene (Vinyl benzene)	1	1	PQL / 0.01 ug/ L=10 ⁻⁶ cancer risk (H.A.)
	Sulfate ****	250,000	500	Secondary D.W. Std.
93-76-5	2,4,5-T (See 2,4,5- Trichlorophenoxy- acetic acid)			
	TDS (Total **** Dissolved Solids)	500,000		Secondary D.W. Std.
34014-18-1	Tebuthiuron	500	5-10 A	Lifetime Health Adv.
116-06-3	Temik (See Aldicarb)			
5902-51-2	Terbacil	90	5-10 A	Lifetime Health Adv.
13071-79-9	Terbufos	10	5-10 A	PQL / 0.9 ug/ L= Lifetime Health Adv.
95-94-3	1,2,4,5-Tetrachloro- benzene	35	10	EPA PPCL (ADI)
1746-01-6	2,3,7,8-Tetrachloro- dibenzo-p-dioxin (TCDD, Dioxin)	0.01	0.01	PQL / 2.2 x 10 ⁻⁷ ug/ L= 10 ⁻⁶ cancer risk (Health Advisory)
79-34-5	1,1,2,2-Tetra- chloroethane	1	1	PQL / 0.8 ug/ L = RPC
127-18-4	Tetrachloroethylene **** (Perchloroethylene)	3	1	Primary D.W. Standard
56-23-5	Tetrachloromethane **** (Carbon- tetrachloride)	3	1	Primary D.W. Standard
7440-28-0	Thallium	10	10	PQL / 3.7ug/ L=EPA PPCL
108-88-3	Toluene	24	1	Organoleptic (RPC)
636-21-5	o-Toluidine	10	5-10 X	PQL / 0.146ug/ L=10 ⁻⁶ cancer risk (EPA PPCL)
	hydrochloride			
	Total Dissolved **** Solids (TDS)	500,000		Secondary D.W. Std.
8001-35-2	Toxaphene ****	5	1	Primary D.W. Standard

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CAS #	Parameter	Guidance* Quantitation		Basis/ Comment
		Concentration (ug/ L)	Level (ug/ L)	
73-72-1	2,4,5-TP (Silvex) ****	10	1	Primary D.W. Standard
75-25-2	Tribromomethane (see Bromoform)			
120-82-1	1,2,4-Trichloro- benzene	140	10	IRIS
71-55-6	1,1,1-Trichloro- ethane ****	200	20	Primary D.W. Standard
79-00-5	1,1,2-Trichloro- ethane	1	1	PQL / $0.61 \mu\text{g/L} = 10^{-6}$ cancer risk (AWQCD)
79-01-6	Trichloroethene **** (Trichloro- ethylene, TCE)	3	1	Primary D.W. Standard
67-66-3	Trichloromethane (See Chloroform)			
75-69-4	Trichloromono- fluoromethane	2,400	1	EPA PPCL (ADI)
95-95-4	2,4,5-Trichloro- phenol	10	10	PQL / $1 \mu\text{g/L} =$ organoleptic (AWQCD)
88-06-2	2,4,6-Trichloro- phenol	10	10	PQL / $1.2 \mu\text{g/L} = 10^{-6}$ cancer risk (AWQCD)
93-76-5	2,4,5-Trichloro- phenoxyacetic acid (2,4,5-T)	70	1	Lifetime Health Adv.
1582-09-8	Trifluralin	10	5-10 A	PQL / $2 \mu\text{g/L} =$ Lifetime Health Adv.
	Trihalomethanes **** (total)	100		Primary D.W. Standard
	Trimethyl benzenes (total)	10	5-10 A	PQL / $0.24 \mu\text{g/L} =$ organoleptic (RPC)
786-19-6	Trithion	12	5-10 X	RPC
100-42-5	Vinyl benzene (See Styrene)			
75-01-4	Vinyl chloride **** (Chloroethylene)	1	1	Primary D.W. Standard
110-75-8	Vinyl 2-chloroethyl ether (See 2-Chloro- ethyl vinyl ether)			
107-13-1	Vinyl cyanide (See Acrylonitrile)			
75-35-4	Vinylidene chloride **** (1,1-Dichloro- ethylene)	7	1	Primary D.W. Standard
1330-20-7	Xylenes (total)	50	5	Organoleptic (RPC)
105-67-9	2,4-Xylenol (See 2,4-Dimethyl phenol)			
	Zinc ****	5,000	25	Secondary D.W. Std.
12122-67-7	Zineb	14	5-10 X	RPC

SYMBOLS AND ABBREVIATIONS

- * - The concentrations in this table are only to be used as a screening guideline for ground water contamination. These concentrations are not standards and without further justification can not be used as standards.
- ** - Guidance Concentration for Aldicarb Sulfone in the presence of Aldicarb or Aldicarb Sulfoxide is 10 ug/L.
- *** - Guidance Concentration applies to asbestos fibers exceeding 10 um in length.
- **** - Florida Primary or Secondary Drinking Water Standard: Chapter 17-550.310-320, F.A.C.
- # - Organoleptic threshold data may necessitate a lower Guidance Concentration
- A - Practical Quantitation Level of 5-10 ug/L based on gas chromatograph detection with mass spectrometer confirmation. Estimated by Tom Presely, Methodology Department, EPA Laboratory, Cincinnati, and Geoffrey Watts, Bureau of Waste Cleanup DER, Tallahassee.
- ADI - Acceptable Daily Intake
- AWQCD - Ambient Water Quality Criteria Documents, EPA 1980.
- CAG - Carcinogen Assessment Group, EPA 1980.
- CAS # - American Chemical Society's Chemical Abstract Service, 8th Collective Index
- EPA - Environmental Protection Agency.
- H.A. - Health Advisory, EPA Office of Drinking Water.
- IRIS - Integrated Risk Information System, EPA January 1989
- MCL - Maximum Contaminant Level, EPA.
- OPP - Office of Pesticide Programs, EPA, 1984.
- Organoleptic - taste and odor.
- PPCL - Preliminary Protective Concentration Limits, EPA Draft, 1984.
- PQL - Practical Quantitation Level; the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. The Practical Quantitation Level can be estimated to be five (5) times the method detection limit. Federal Register: Vol.52, No.131, Thursday, July 9, 1987, pgs. 25947-25953.
- RPC - Recommended Protective Concentration: Toxicant Profiles, Center for Biomedical and Toxicological Research, Florida State University, 1985-1988.
- T.O.N. - Threshold Odor Number
- X - An EPA approved method for the analysis of this chemical in water has not been established at this time. Routine analyses for this chemical is not recommended unless its presence is suspected.