

# DRINKING WATER QUALITY STANDARDS & ANALYSES 2009

## Primary Drinking Water Standards

Inorganic Contaminants	MCL* mg/l*	2009 Finished Water mg/l*
Antimony	0 . 006	ND*
Arsenic	0 . 050	ND*
Asbestos	7 MFL	ND*
Barium	2 . 000	ND*
Beryllium	0 . 004	ND*
Cadmium	0 . 005	ND*
Chromium	0 . 100	ND*
Cyanide	0 . 200	ND*
Fluoride***	4 . 000	0.84
Lead	0 . 015	ND*
Mercury	0 . 002	ND*
Nickel	0 . 100	ND*
Nitrate (as N)	10 . 000	2.3 (2.6 BLENDED)
Nitrite (as N)	1 . 000	ND*
Total Nitrate (as N) & Nitrite	10 . 000	2.3 (2.6 BLENDED)
Selenium	0 . 050	ND*
Sodium	160 . 000	19.2 (67 BLENDED)
Thallium	0 . 002	ND*

Turbidity Level	MCL* NTU*	2009 Finished Water NTU*
	1 . 0	0.09

Disinfectant By-Products	MCL* mg/l*	2009 Finished Water mg/l*
Trihalomethanes	0 . 080	0.0106
<b>2009 Annual Average For Distribution mg/l* 0.0098</b>		

Disinfectant By-Products	MCL* mg/l*	2009 Finished Water mg/l*
Haloacetic Acids	0 . 060	NR*
<b>2009 Annual Average For Distribution mg/l* 0.0106</b>		

Volatile Organic Contaminants	MCL* mg/l*	2009 Finished Water mg/l*
Vinyl chloride	0 . 001	ND*
Benzene	0 . 001	ND*
Carbon Tetrachloride	0 . 003	ND*
1,2-Dichloroethane	0 . 003	ND*
Trichloroethylene	0 . 003	ND*
Para-Dichlorobenzene	0 . 075	ND*
1,1-Dichloroethylene	0 . 007	ND*
1,1,1,-Trichloroethane	0 . 200	ND*
cis-1,2-Dichloroethylene	0 . 070	ND*
1,2-Dichloropropane	0 . 005	ND*
Ethylbenzene	0 . 700	ND*
Monochlorobenzene	0 . 100	ND*
o-Dichlorobenzene	0 . 600	ND*
Styrene	0 . 100	ND*
Tetrachloroethylene	0 . 003	ND*
Toluene	1 . 000	ND*
trans-1,2-Dichloroethylene	0 . 100	ND*
Xylenes	10 . 000	ND*
Dichloromethane	0 . 005	ND*
1,2,4-Trichlorobenzene	0 . 070	ND*
1,1,2-Trichloroethane	0 . 005	ND*

Pesticides & PCB Contaminants	MCL* mg/l*	2009 Finished Water mg/l*
Endrin	0 . 00200	ND*
Lindane	0 . 00020	ND*
Methoxychlor	0 . 04000	ND*
Toxaphene	0 . 00300	ND*
Dalapon	0 . 20000	ND*
Diquat	0 . 02000	ND*
Endothall	0 . 10000	ND*
Glyphosate	0 . 70000	ND*
Di(2-ethylhexyl)Adipate	0 . 40000	ND*
Oxamyl (Vydate)	0 . 20000	ND*
Simazine	0 . 00400	ND*
Picloram	0 . 50000	ND*
Dinoseb	0 . 00700	ND*
Hexachlorocyclopentadiene	0 . 05000	ND*
Carbofuran	0 . 04000	ND*
Atrazine	0 . 00300	ND*
Alachlor	0 . 00200	ND*
Heptachlor	0 . 00040	ND*
Heptachlor orepoxide	0 . 00020	ND*
2,4-D	0 . 07000	ND*
2,4,5-TP (silvex)	0 . 05000	ND*
Hexachlorobenzene	0 . 00100	ND*
Di(2-Ethylhexyl) phthalate	0 . 00600	ND*
Benzo (A) pyrene	0 . 00020	ND*
Pentachlorophenol	0 . 00100	ND*
PCB	0 . 00050	ND*
DBCP	0 . 00020	ND*
EDB-ethylene biomide	0 . 00002	ND*
Chlorodane	0 . 00200	ND*
Dioxin	3X10 <sup>-8</sup>	ND*

Radionuclides Contaminant	MCL* pCi/l*	2009 Finished Water pCi/l*
Gross Alpha	15	2.19 (2.2 BLENDED)
Radium 226		ND*
Radium 228		ND*

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## Secondary Drinking Water Standards

## GROUP II UNREGULATED ORGANIC CONTAMINANTS (CONTINUED)

Secondary Contaminant	2009	
	MCL mg/1*	Finished Water mg/1*
Aluminum	0.20	ND*
Chloride	250	33.7 (120 BLENDED)
Color	15 Color Units	ND*
Copper	1.00	0.0014
Fluoride	2.00	0.84
Foaming Agents	0.50	ND*
Iron	0.30	ND*
Manganese	0.05	ND*
Odor	3.0 ton	1.0 (1.0 BLENDED) <sup>1</sup>
PH**	6.50-8.50	9.1
Silver	0.10	ND*
Sulfate	250	47.1 (92 BLENDED)
Total Dissolved Solids (TDS)	500	195 (430 BLENDED)
Zinc	5	ND*

		2003 Finished Water mg/1*
<b>(1) Purgeables (continued)</b>		
(n)	cis- 1,2-dichloroethylene	ND*
(o)	1,3-dichloropropane	ND*
(p)	2,2-dichloropropane	ND*
(q)	cis-1,3-dichloropropylene	ND*
(r)	Trichlorofluoromethane	ND*
(s)	1,2,3-trichloropropane	ND*
(t)	m-dichlorobenzene	ND*
(u)	1,1,1,2-tetrachloroethane	ND*
(v)	1,1,2,2-tetrachloroethane	ND*
(w)	Methyl tert-butyl-ether (MTBE)	ND*
(x)	o-chlorotoluene	ND*

## GROUP I UNREGULATED ORGANIC CONTAMINANTS

	2003 Finished Water mg/1*
(1) Aldrin	ND*
(2) Aldicarb	ND*
(3) Aldicarb sulfoxide	ND*
(4) Aldicarb sulfone	ND*
(5) Butachlor	ND*
(6) Carbaryl	ND*
(7) Dicamba	ND*
(8) Dieldrin	ND*
(9) 3-Hydroxycarbofuran	ND*
(10) Methomyl	ND*
(11) Metolachlor	ND*
(12) Metribuzin	ND*
(13) Propachlor	ND*

## GROUP III UNREGULATED ORGANIC CONTAMINANTS

		2003 Finished Water mg/1*
<b>(2) Base Neutral Extractables</b>		
(a)	Butyl benzyl phthalate	ND*
(b)	Di-n-butylphthalate	ND*
(c)	Diethylphthalate	ND*
(d)	Dimethylphthalate	ND*
(e)	2,4-dinitrotoluene	ND*
(f)	Dioctylphthalate	ND*
(g)	Isophorone	ND*
<b>(3) Acid Extractables</b>		
(a)	2-chlorophenol	ND*
(b)	2-methyl-4,6-dinitrophenol	ND*
(c)	Phenol	ND*
(d)	2,4,6-trichlorophenol	ND*

## GROUP II UNREGULATED ORGANIC CONTAMINANTS

	2003 Finished Water mg/1*	
<b>(1) Purgeables</b>		
(a)	Bromobenzene	ND*
(b)	Bromodichloromethane	0.0006
(c)	Bromoform	ND*
(d)	Bromomethane	ND*
(e)	Chloroethane	ND*
(f)	Chloroform	0.0006
(g)	p-chlorotoluene	ND*
(h)	Chloromethane	ND*
(i)	Dibromochloromethane	ND*
(j)	Dibromomethane	0.0005
(k)	Dichlorodifluoromethane	ND*
(l)	1,1-dichloroethane	ND*
(m)	trans-1,3-dichloropropylene	ND*

General	mg/1*
Total Hardness	100 (135 BLENDED)
(or in grains per gallon)	5.8 (7.9 BLENDED)
Alkalinity	30-50
Orthophosphate	0.0 - 0.4
Total Chlorine	0.6 - 4.5

\*NR=Not required

\*ND=Not detected=Below reportable limits

\*MCL=Maximum contaminant level

\*mg/l=Milligrams per liter

\*MFL=Million fibers per liter greater than 10 micrometers

\*\*\*Fluoride has a secondary standard

\*pCi/l=Picocuries per liter

\*NTU=Nephelometric turbidity units

\*mg/1=milligrams per liter except color, odor, and PH

\*\*The pH has no health effects. The pH is high to improve the stability of the disinfection.

(Blended) = Biscayne Aquifer water blended with approximately 3.6% of Floridan Aquifer water  
1= 2008 data

**Note:** The primary drinking water standards are established for health reasons and the secondary drinking water standards are established for aesthetic reasons. The MCL is the maximum allowable level a regulated contaminant should be present in drinking water. The finished water results indicate the measured level that is found in FKA drinking water. The contaminants that do not have a MCL are not regulated at this time and were last monitored in 2003.