



FLORIDA KEYS AQUEDUCT AUTHORITY
 1100 KENNEDY DRIVE, KEY WEST, FL 33040

DRINKING WATER STANDARDS & ANALYSES 2019

Primary Drinking Water Standards

Inorganic Contaminants	MCL mg/l*	2019 Finished Water mg/l*
Antimony	0.006	ND
Arsenic	0.010	ND
Asbestos	7 MFL	ND in 2017
Barium	2.0	ND
Beryllium	0.004	ND
Cadmium	0.005	ND
Chromium	0.100	ND
Cyanide	0.200	ND
Fluoride***	4.0	0.58
Lead	0.015	ND
Mercury	0.002	ND
Nickel	0.100	ND
Nitrate (as N)	10.0	2.9
Nitrite (as N)	1.0	ND
Total Nitrate (as N) & Nitrite	10.0	2.9
Selenium	0.050	ND
Sodium	160.0	21.6
Thallium	0.002	ND

Disinfectant By-Products	MCL mg/l*	2019 Distribution Water mg/l*
Trihalomethanes (THM)	0.080	0.0225
Haloacetic Acids (HAA)	0.060	0.0121

Radionuclides Contaminant	MCL pCi/l*	2019 Finished Water pCi/l*
Gross Alpha	15	3.36 in 2018
Radium 226	5	0.898 in 2018
Radium 228		ND in 2018

Volatile Organic Contaminants	MCL mg/l*	2019 Finished Water mg/l*
2,3,7,8-TCDD (Dioxin)	3 X 10 ⁻⁸	ND in 2018
2,4-D	0.070	ND
2,4,5-TP (Silvex)	0.050	ND
1,1,2-Trichloroethane	0.005	ND
1,1-Dichloroethylene	0.007	ND
1,2,4-Trichlorobenzene	0.070	ND
1,2-Dichloroethane	0.003	ND
1,2-Dichloropropane	0.005	ND
Benzene	0.001	ND
Carbon tetrachloride	0.003	ND
cis-1,2-Dichloroethylene	0.070	ND
Dichloromethane	0.005	ND
Ethylbenzene	0.700	ND
Chlorobenzene	0.100	ND
o-Dichlorobenzene	0.600	ND
para-Dichlorobenzene	0.075	ND
Styrene	0.100	ND
Tetrachloroethylene	0.003	ND
Toluene	1.000	ND
trans-1,2-Dichloroethylene	0.100	ND
Trichloroethylene	0.003	ND
Vinyl chloride	0.001	ND
Xylenes	10.0	ND

Pesticides & PCB Contaminants	MCL mg/l*	2019 Finished Water mg/l*
2,3,7,8-TCDD (Dioxin)	3 X 10 ⁻⁸	ND in 2018
2,4-D	0.070	ND
2,4,5-TP (Silvex)	0.050	ND
Alachlor	0.002	ND
Atrazine	0.003	ND
Benzo(a)pyrene	0.000	ND
Carbofuran	0.040	ND in 2018
Chlordane	0.002	ND
Dalapon	0.200	ND
Di(2-ethylhexyl)adipate	0.400	ND
Di(2-ethylhexyl)phthalate	0.006	ND
Dibromochloropropane (DBCP)	0.000	ND
Dinoseb	0.007	ND
Diquat	0.020	ND
Endothall	0.100	ND in 2018
Endrin	0.002	ND
Ethylene dibromide (EDB)	0.000	ND
Glyphosate	0.700	ND
Heptachlor	0.000	ND
Heptachlor epoxide	0.000	ND
Hexachlorobenzene	0.001	ND
Hexachlorocyclopentadiene	0.050	ND
Lindane	0.000	ND
Methoxychlor	0.040	ND
Oxamyl (Vydate)	0.200	ND in 2018
Pentachlorophenol	0.001	ND
Picloram	0.500	ND
Polychlorinated biphenyls (PCBs)	0.001	ND
Simazine	0.004	ND
Toxaphene	0.003	ND

Turbidity Level	MCL NTU	2019 Finished Water NTU
Turbidity	1.0	0.06



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Secondary Drinking Water Standards

Secondary Contaminant	MCL mg/l*	2019 Finished Water mg/l*
Aluminum	0.20	ND
Chloride	250	49.7
Color	15 Color Units	ND
Copper	1.0	ND
Fluoride	2.0	0.58
Foaming Agents (MBAS)	0.50	ND
Iron	0.30	ND
Manganese	0.05	ND
Odor	3 TON	1.0 TON
pH**	6.5 - 8.5	9.1
Silver	0.10	ND
Sulfate	250	40.7
Total Dissolved Solids (TDS)	500	167
Zinc	5.0	ND

General	2019 Finished Water mg/l*
Total Hardness	101
(Hardness in grains per gallon)	5.9
Calcium Hardness	85
Alkalinity	42
Total Chlorine	4.3

MCL = Maximum Contaminant Level

MFL = Million Fibers per Liter greater than 10 micrometers

ND = Analyzed for but not detected/value is below reportable limits

NR = Not required

NTU = Nephelometric Turbidity Units

pCi/l = picocuries per liter

TON = Threshold Odor Number

*mg/l = milligrams per liter (except asbestos, color, odor, and pH)

**pH has no health effects. FCAA maintains pH at 9.0 - 9.5 to aid in corrosion control and to improve disinfection stability.

***Fluoride also has a secondary standard

Note: The primary drinking water standards are established for health reasons, while 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 FCAA drinking water.