

City of Jacksonville Regulated Contaminants Detected in 2006 (collected in 2006 unless noted)

Coliform Bacteria							
Maximum Contaminant Level Goal	Total Coliform Maximum Contaminant Level	Highest # of positive	Fecal Coliform or E. Coli Maximum Contaminant Level	Total # of Positive E. Coli or Fecal Coliform Samples	Violation	Likely Source of Contamination	
0	1 Positive Monthly Sample	1	Fecal Coliform or E. Coli MCL: A routine sample and a repeat sample are total coliform positive, and one is also fecal coliform or E. coli positive		No	Naturally present in the environment	

Lead and Copper Date Sampled: 12/31/2004								
Lead MCLG	Lead Action Level (AL)	Lead 90th Percentile	# Sites Over Lead (AL)	Copper MCLG	Copper Action Level (AL)	Copper 90th Percentile	# Sites Over Copper (AL)	Likely Source of Contamination
0 ppb	15 ppb	<5 ppb	0	1.3 ppm	1.3 ppm	<0.1 ppm	0	Corrosion of household plumbing systems; Erosion of natural deposits.

Regulated Contaminants	Highest Level Detected	Range of Levels Detected	Unit of Measurement	MCLG	MCL	Violation?	Collection Date	Likely Source of Contaminant
Disinfectants & Disinfection By-Products								
Total Haloacetic Acids (HAA5)	35.5	4.2-35.5	ppb	n/a	60	No	12/18/2006	By-product of drinking water chlorination
TTHMs (Total Trihalomethanes)	78.6	28.3-78.6	ppb	n/a	80	No	9/20/2006	By-product of drinking water chlorination
Chlorine	1.5322	1.4679-1.5322	ppm	MRDLG=4	MRDL=4	No	12/31/2006	Water additive used to control microbes

Inorganic Contaminants								
Barium	0.005	Not Applicable	ppm	2	2	No	5/2/2006	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Chromium	4	Not Applicable	ppb	100	100	No	5/2/2006	Discharge from steel and pulp mills; Erosion of natural deposits.
Fluoride	0.81	Not Applicable	ppm	4	4	No	5/2/2006	Erosion of natural deposits; Water additive which promotes strong teeth; Fertilizer discharge
Nitrate-Nitrite	1.9	Not Applicable	ppm	10	10	No	5/2/2006	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrate (As N)	1.9	Not Applicable	ppm	10	10	No	5/2/2006	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Selenium	2	Not Applicable	ppb	50	50	No	5/2/2006	Discharge from petroleum and metal refineries; Erosion of natural deposits.

State Regulated Contaminants								
Sodium	27	Not Applicable	ppm	n/a	n/a	No	5/2/2006	Erosion of naturally occurring deposits; used in water softener regeneration

There is not a state or federal MCL for sodium. Monitoring is required to provide information to consumers and health officials that are concerned about sodium intake due to dietary precautions. If you are on a sodium-restricted diet, you should consult a physician about this level of sodium in the water.

Total Organic Carbon The percentage of Total Organic Carbon (TOC) removal was measured each month and the system met all TOC removal requirements set by IEPA, Unless a TOC violation is noted in the violations section.

Note: The state requires monitoring of certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. Therefore, some of this data may be more than one year old.

MCL (Maximum Contaminant Level): The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

MCLG (Maximum Contaminant Level Goal): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

AL (Action Level): The concentration of a contaminant which, if exceeded triggers treatment or other requirements which a water system must follow.

ALG (Action Level Goal): The level of a contaminant in drinking water below which there is no known or expected risk to health. ALG's allow for a margin of safety.

ppm: parts per million ppb: parts per billion ppt: parts per trillion pCi/l: picoCuries per liter (measurement of radioactivity) N/A: not applicable

mg/l: milligrams per litre or parts per million - or one ounce in 7,350 gallons of water. ug/l: micrograms per litre or parts per billion - or one ounce in 7,350,000 gallons of water.

Avg: Regulatory compliance with some MCLs are based on running annual average of monthly samples. MRDL (Maximum Residual Disinfectant Level): The highest level of disinfectant allowed in drinking water.

MRDLG (Maximum Residual Disinfectant Level): The level of disinfectant in drinking water below which there is no known or expected risk to health. MRDLG's allow for a margin of safety.

Turbidity			
Limit (Treatment Technique)	Lowest Monthly % meeting limit	Violation	Source
0.3 NTU (Pop. served > 9,999)	100	No	Soil Runoff
Limit (Treatment Technique)	Highest Single Measurement	Violation	Source
1 NTU (Pop. served > 9,999)	0.46	No	Soil Runoff

Information Statement: Turbidity is a measurement of the cloudiness of the water caused by suspended particles.

We monitor it because it is a good indicator of water quality and the effectiveness of our filtration system and disinfectants.

