City of Jacksonville Regulated Contaminants Detected in 2010 (collected in 2010 unless noted)

Untreated Source Water

Inorganic Contaminants	Highest Level Detected	Range of Levels Detected	Unit of Measurement	Likely Source of Contaminant
Iron	3.8	.76 - 3.8	ppm	Erosion of natural deposits
Manganese	380	130 - 380	ppb	Erosion of natural deposits
Barium	0.094	.055 - .094	ppm	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Chromium	4	4	ppb	Discharge from steel and pulp mills; Erosion of natural deposits
Fluoride	0.31	.25 - .31	ppm	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Nitrate (measured as Nitrogen)	1.3	.036 - 1.3	ppm	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Selenium	1.9	1.0 -1.9	ppb	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines
Sodium	24	21 -24	ppm	Erosion of naturally occuring deposits; used in water softener regeneration
Arsenic	6.8	3.6 -6.8	ppb	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.

Definitions: The following tables contain scientific terms and measures, some of which may require explanation.

ppb: Micrograms per liter or parts per billion - or one ounce in 7,350,000 gallons of water

ppm: Milligrams per liter or parts per million - or one ounce in 7,350 gallons of water.