

Table 1. 2013 Detected <b>REGULATED</b> Contaminants				East Jefferson		West Jefferson		Violation Yes / No	Source of Contaminant
MCL Violation If	Units	MCLG	Highest Month		Highest Month				
<b>Total Coliform Bacteria</b> (% of monthly samples containing coliform bacteria)	>5% of monthly samples containing coliform bacteria	%	0	1.0		0.7		No	An indicator which is naturally present in the environment and not in itself harmful.
MCL Violation If				East Jefferson		West Jefferson		Violation Yes / No	Source of Contaminant
Units	MCLG	Max Value	Min %	Max Value	Min %				
<b>Turbidity</b> (lowest monthly % of samples at or below 0.3 NTU and the highest single sample result)	TT	%	NA	NA	100	NA	100	No	Naturally present particulate matter derived from soil runoff which as an indicator and is not in itself harmful.
		< 95 % at or below 0.3 NTU or a single sample > 1 NTU	NA	0.3	NA	0.3	NA		
Contaminant	MCL Violation If	Units	MCLG	East Jefferson		West Jefferson		Violation Yes / No	Source of Contaminant
				Range	Max	Range	Max		
<b>Alachlor</b>	> 2 (Annual Average)	ppb	3	BD - 0.2	0.10	BD - 0.2	0.10	No	Runoff from herbicide used on row crops, primarily in the corn belt
<b>Arsenic</b>	> 10 (Annual Average)	ppb	0	0.3 - 1.1	0.8	0.3 - 0.9	0.9	No	Erosion of natural deposits; Runoff from orchards, glass and electronics production wastes
<b>Atrazine</b>	> 3 (Annual Average)	ppb	3	BD - 0.5	0.20	BD - 0.4	0.20	No	Runoff from herbicide used on row crops, primarily in the corn belt
<b>Barium</b>	>2000 (Annual Average)	ppb	2000	46 - 71	62	45 - 71	61	No	Discharges of drilling wastes & metal refineries; erosion of natural deposits
<b>Dalapon</b>	>200 (Annual Average)	ppb	200	18-72	72	35-39	39	No	Runoff from herbicide used on rights of way
<b>Di(2-ethylhexyl)phthalate</b>	>6 (Annual Average)	ppb	0	BD - 0.5	0.5	NA	0.9	No	Discharge from rubber and chemical factories
<b>Fluoride</b>	> 4 (Annual Average)	ppm	4	0.2 - 0.5	0.5	NA	0.6	No	Erosion of natural deposits and water additive promoting strong teeth
<b>Nitrate (as nitrogen)</b>	> 10 (Any time)	ppm	10	0.4 - 2.8	2.8	0.5 - 2.7	2.7	No	Runoff from fertilizer use and erosion of natural deposits
<b>Simazine</b>	> 3 (Annual Average)	ppb	3	BD - 0.3	0.20	BD - 0.3	0.20	No	Runoff from herbicide used on row crops, primarily in the corn belt
<b>Total Chlorine Residual</b>	> 4 (Annual Average)	ppm	4	0.1 - 3.2	1.5	0.1 - 2.4	1.6	No	Required by EPA for Disinfection
<b>TTHMs (Total trihalomethanes)</b>	> 80 (Annual Average)	ppb	0	27-83	54	29-79	75	No	By-product of drinking water disinfection using chlorine
<b>THAAs (Total haloacetic acids)</b>	> 60 (Annual Average)	ppb	0	7 - 64	39	2 - 64	41	No	By-product of drinking water disinfection using chlorine
<b>Uranium</b>	> 30 (Annual Average)	ppb	0	BD-1	1	NA	BD	No	Erosion of natural deposits
MCL Violation If				East Jefferson		West Jefferson		Violation Yes / No	Source of Contaminant
Units	MCLG	Range	Min	Range	Min				
<b>Total Organic Carbon (TOC)</b> (ratio of the percentage of the TOC removed divided by the percentage TOC required to be removed)	TT	ratio < 1 (Annual Average)	NA	0.9 - 1.6	1.2	0.6 - 1.6	1.2	No	Harmless natural organic material which forms chlorinated by-products (TTHMs & THAAs) during disinfection
Action Level (AL) Exceeded If				East Jefferson		West Jefferson		Violation Yes / No	Source of Contaminant
Units	MCLG	90th Pct	# > AL	90th Pct	# > AL				
<b>Copper</b> (2013 last required monitoring)	> 1.3	ppm	1.3	0.3	0	0.4	1	No	Household plumbing corrosion and erosion of natural deposits
<b>Lead</b> (2013 last required monitoring)	> 15	ppb	0	3	0	3	0	No	Corrosion of household plumbing
Table 1. 2013 Detected <b>UNREGULATED</b> Contaminants				East Jefferson		West Jefferson		Violation Yes / No	Source of Contaminant
Units	MCLG	Range	Max	Range	Max				
<b>Molybdenum</b>	Not regulated	ppb	NA	1.1 - 2.3	2.3	sampling scheduled for 2015		No	Naturally occurring element found in ores and present in plants, animals and bacteria
<b>Strontium</b>	Not regulated	ppb	NA	140-220	220	sampling scheduled for 2015		No	Naturally occurring element
<b>Vanadium</b>	Not regulated	ppb	NA	0.8 - 2.6	2.6	sampling scheduled for 2015		No	Naturally occurring elemental metal; used as a catalyst
<b>Chromium</b>	Not regulated	ppb	NA	BD-0.24	0.24	sampling scheduled for 2015		No	Naturally occurring element; used in making steel and other alloys
<b>Chromium-6</b>	Not regulated	ppb	NA	BD-0.15	0.15	sampling scheduled for 2015		No	Naturally occurring element found in ores and present in plants, animals and bacteria
<b>Chlorate</b>	Not regulated	ppb	NA	BD - 26	26	sampling scheduled for 2015		No	Agricultural defoliant or desiccant; disinfection byproduct; used in the production of chlorine dioxide
<b>1,4-Dioxane</b>	Not regulated	ppb	NA	BD-0.14	0.14	sampling scheduled for 2015		No	Used as a solvent or solvent stabilizer in manufacture of paper, cotton textile products, automotive coolant
Unregulated contaminants are those who don't yet have a drinking water standard set by USEPA.									
The purpose of monitoring for these contaminants is to help EPA decide whether the contaminants should have a standard.									
">" = Greater than; "<" = Less than; <b>AL</b> = Action Level - The concentration of the 90th percentile of analysis results, when exceeded, triggers treatment or other requirements which a water system must follow (there is no MCL or MCLG for these contaminants); <b>Annual Ave</b> = annual running average determined from the average of the sample results over the previous 12 months; <b>BD</b> = Below Detection of the analytical method - the substance was not found; <b>Max</b> = Maximum observed value or maximum annual running average (Annual Ave) used for regulatory compliance; <b>MCL</b> = Maximum Contaminant Level - The highest level of a contaminant that is allowed in drinking water which are set as close to the MCLGs as feasible using the best available treatment technology; <b>MCLG</b> = 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; <b>na</b> = not applicable; <b>NTU</b> = Nephelometric Turbidity Units; <b>pCi/L</b> = picocuries per liter (a measure of radioactivity); <b>50 pCi/L</b> = 4 millirem equivalent man/year (4 mrem/yr); <b>ppm</b> = parts per million or milligrams per liter (mg/L) - equivalent to 1 minute in 2 years or \$0.01 in \$10,000; <b>ppb</b> = parts per billion, or micrograms per liter (ug/L) - equivalent to 1 minute in 2,000 years or \$0.01 in \$10 million; <b>Range</b> = Range of all sample analysis results observed; <b>TT</b> = Treatment Technique - A required process intended to reduce the level of a contaminant in drinking water; <b>90th Pct</b> = 90th percentile of sample analysis results # > AL = number of samples greater than the action level:									