

Table 1. 2013 Detected REGULATED Contaminants				East Jefferson		West Jefferson		Violation Yes / No	Source of Contaminant
MCL Violation If	Units	MCLG	Range	Max	Range	Max			
Total Coliform Bacteria (% 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 %				
Turbidity (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	Range	Max	Range	Max	Violation Yes / No	Source of Contaminant
Alachlor	> 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
Arsenic	> 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
Atrazine	> 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
Barium	>2000 (Annual Average)	ppb	2000	46 - 71	62	45 - 71	61	No	Discharges of drilling wastes & metal refineries; erosion of natural deposits
Dalapon	>200 (Annual Average)	ppb	200	18-72	72	35-39	39	No	Runoff from herbicide used on rights of way
Di(2-ethylhexyl)phthalate	>6 (Annual Average)	ppb	0	BD - 0.5	0.5	NA	0.9	No	Discharge from rubber and chemical factories
Fluoride	> 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
Nitrate (as nitrogen)	> 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
Simazine	> 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
Total Chlorine Residual	> 4 (Annual Average)	ppm	4	0.1 - 3.2	1.5	0.1 - 2.4	1.6	No	Required by EPA for Disinfection
TTHMs (Total trihalomethanes)	> 80 (Annual Average)	ppb	0	27-83	54	29-79	75	No	By-product of drinking water disinfection using chlorine
THAAs (Total haloacetic acids)	> 60 (Annual Average)	ppb	0	7 - 64	39	2 - 64	41	No	By-product of drinking water disinfection using chlorine
Uranium	> 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				
Total Organic Carbon (TOC) (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				
Copper (2013 last required monitoring)	> 1.3	ppm	1.3	0.3	0	0.4	1	No	Household plumbing corrosion and erosion of natural deposits
Lead (2013 last required monitoring)	> 15	ppb	0	3	0	3	0	No	Corrosion of household plumbing
Table 1. 2013 Detected UNREGULATED Contaminants				East Jefferson		West Jefferson		Violation Yes / No	Source of Contaminant
Units	MCLG	Range	Max	Range	Max				
Molybdenum	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
Strontium	Not regulated	ppb	NA	140-220	220	sampling scheduled for 2015		No	Naturally occurring element
Vanadium	Not regulated	ppb	NA	0.8 - 2.6	2.6	sampling scheduled for 2015		No	Naturally occurring elemental metal; used as a catalyst
Chromium	Not regulated	ppb	NA	BD-0.24	0.24	sampling scheduled for 2015		No	Naturally occurring element; used in making steel and other alloys
Chromium-6	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
Chlorate	Not regulated	ppb	NA	BD - 26	26	sampling scheduled for 2015		No	Agricultural defoliant or dessicant; disinfection byproduct; used in the production of chlorine dioxide
1,4-Dioxane	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 ; AL = 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) ; Annual Ave = annual running average determined from the average of the sample results over the previous 12 months ; BD = Below Detection of the analytical method - the substance was not found ; Max = Maximum observed value or maximum annual running average (Annual Ave) used for regulatory compliance ; MCL = 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 ; 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; na = not applicable ; NTU = Nephelometric Turbidity Units ; pCi/L = picocuries per liter (a measure of radioactivity); 50 pCi/L = 4 milliroentgen equivalent man/year (4 mrem/yr) ; ppm = parts per million or milligrams per liter (mg/L) - equivalent to 1 minute in 2 years or \$0.01 in \$10,000; ppb = parts per billion, or micrograms per liter (ug/L) - equivalent to 1 minute in 2,000 years or \$0.01 in \$10 million ; Range = Range of all sample analysis results observed ; TT = Treatment Technique - A required process intended to reduce the level of a contaminant in drinking water ; 90th Pct = 90th percentile of sample analysis results # > AL = number of samples greater than the action level:									