

Sampling Results

The data presented in this report are from the most recent testing done in accordance with administrative regulations in 401 KAR Chapter 8. As authorized and approved by the EPA, the State has reduced monitoring requirements for certain contaminants to less often than once per year because the concentrations are not expected to vary significantly from year to year. Some of the data in this table, though representative, may be more than one year old. Unless otherwise noted, the report level is the highest level detected.

	Allowable Levels		Highest Single Measurement	Lowest Monthly %		Violation	Likely Source		
Turbidity (NTU) TT *Representative samples of filtered water	No more than 1 NTU* Less than 0.3 NTU in 95% of monthly samples		0.053	100		No	Soil runoff		
Regulated Contaminant Test Results									
Contaminant [code] (units)	MCL	MCLG	Report Level	Range of Detection		Date of Sample	Violation	Likely Source of Contamination	
Microbiological Contaminants									
Total Coliform Bacteria # or % positive samples	1	0	1	N/A		Aug	No	Naturally present in the environment	
Radioactive Contaminants									
Beta photon emitters (pCi/L)	50	0	2.00	2	to	2	Apr-08	No	Decay of natural and man-made deposits
Alpha emitters [4000] (pCi/L)	15	0	1.10	1.1	to	1.1	Apr-08	No	Erosion of natural deposits
Combined radium (pCi/L)	5	0	0.20	0.2	to	0.2	Apr-08	No	Erosion of natural deposits
Uranium (µg/L)	30	0	0.50	0.5	to	0.5	Apr-08	No	Erosion of natural deposits
Inorganic Contaminants									
Copper [1022] (ppm) sites exceeding action level 0	AL= 1.3	1.3	.01 (90th percentile)	0.0036	to	0.11	Jun-10	No	Corrosion of household plumbing systems
Fluoride [1025] (ppm)	4	4	1.03	0.85	to	1.3	Feb-10	No	Water additive which promotes strong teeth
Lead [1030] (ppb) sites exceeding action level 0	AL= 1.5	0 (percentile)	1 (90th)	0	to	12	Jun-10	No systems	Corrosion of household plumbing
Disinfectants/Disinfection Byproducts and Precursors									
Chlorine (ppm)	MRDL= 4	MRDLG= 4	1.20 (highest average)	0.22	to	1.44	N/A	No	Water additive used to control microbes
HAA (ppb) (all sites) [Haloacetic Acids]	60	N/A	2 (system average)	0	to	2 (range of system sites)	N/A	No	Byproduct of drinking water disinfection
TTHM (ppb) (all sites) [total trihalomethanes]	80	N/A	5 (system average)	3	to	8 (range of system sites)	N/A	No	Byproduct of drinking water disinfection