

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 EPA, the State has reduced monitoring requirements for certain contaminants to less often than once per year because the concentrations of these contaminants 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	0.23	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
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Microbiological Contaminants

Total Coliform Bacteria # or % positive samples	5%	0		N/A			Naturally present in the environment
Fecal coliform & E.coli % positive samples	0%	0		N/A			Human and animal fecal waste

Inorganic Contaminants

Arsenic [1005] (ppb)	10	N/A	1	1 to 1	Mar-06	No	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
Barium [1010] (ppm)	2	2	0.048	0.048 to 0.048	Mar-06	No	Drilling wastes; metal refineries; erosion of natural deposits
Beryllium [1075] (ppb)	4	4	0.1	0.1 to 0.1	Mar-06	No	Metal refineries and coal-burning factories; electrical, aerospace, and defense industries
Cadmium [1015] (ppb)	5	5	0.5	0.5 to 0.5	Mar-06	No	Corrosion of galvanized pipes; erosion of natural deposits; metal refineries; waste batteries and paints
Chromium [1020] (ppb)	100	100	1	1 to 1	Mar-06	No	Discharge from steel and pulp mills; erosion of natural deposits
Copper [1022] (ppm) sites exceeding action level 0	AL = 1.3	1.3	0.123 (90 th percentile)	0.001 to 0.289	Sep-06	No	Corrosion of household plumbing systems
Cyanide [1024] (ppb)	200	200	10	10 to 10	Feb-06	No	Discharge from steel/metal factories; plastic and fertilizer factories
Fluoride [1025] (ppm)	4	4	1.24	0.96 to 1.24	Jul	No	Water additive which promotes strong teeth
Lead [1030] (ppb) sites exceeding action level 0	AL = 15	0	1 (90 th percentile)	0 to 3	Sep-06	No	Corrosion of household plumbing systems
Mercury [1035] (ppb)	2	2	0.1	0.1 to 0.1	Mar-06	No	Erosion of natural deposits; refineries and factories; landfills; runoff from cropland
Nitrate [1040] (ppm)	10	10	0.43	0.25 to 0.43	Feb-06	No	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Nitrite [1041] (ppm)	1	1	0.05	0.05 to 0.05	Feb-06	No	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Selenium [1045] (ppb)	50	50	2	2 to 2	Mar-06	No	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Thallium [1085] (ppb)	2	0.5	1	1 to 1	Mar-06	No	Leaching from ore-processing sites; discharge from electronics, glass, and drug factories

Disinfectants/Disinfection Byproducts and Precursors

Total Organic Carbon (ppm) (measured as ppm, but reported as a ratio)	TT*	N/A	1.33 (lowest average)	1 to 2.18 (monthly ratios)	N/A	No	Naturally present in environment.
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*Monthly ratio is the % TOC removal achieved to the % TOC removal required. Annual average of the monthly ratios must be 1.00 or greater for compliance.

Chlorine (ppm)	MRDL = 4	MRDLG = 4	1.19 (highest average)	0.20 to 1.87	N/A	No	Water additive used to control microbes.
HAA (ppb) [Haloacetic acids]	60	N/A	54 (highest average)	27 to 102	N/A	No	Byproduct of drinking water disinfection
TTHM (ppb) [total trihalomethanes]	80	N/A	61 (highest average)	31.3 to 95	N/A	No	Byproduct of drinking water disinfection.

EPA has not established drinking water standards for unregulated contaminants. There are no MCL's and therefore no violations if found.