

Kenosha Water Utility

2015 Drinking Water Quality Report

(CCR Data for Wholesale Customers)

Substance (Units)		MCL or {MRDL}	MCLG or {MRDLG}	Level Found	Range	Year Tested	Violation	Typical Source of Contaminant/Comments
Microbiological Results								
Total Coliform Bacteria (% positive)	< 5% of monthly samples	0	0	0%	0%	2015	No	Naturally present in the environment. <i>E.coli</i> is present in human and animal waste
Cryptosporidium (oocysts/l)	T T	0	0	0.00	0.00	2015	No	Naturally present in the environment. Present in human and animal waste. (3 of 24 samples completed.)
Disinfection Results								
Total Chlorine (ppm)	{ 4 }	{ 4 }	1.27	1.00 - 1.27	1.00 - 1.27	2015	No	Drinking water disinfectant
Haloacetic Acids (ppb)	60	60	12 (avg)	4 - 17	4 - 17	2015	No	By-product of drinking water Chlorination
Total Trihalomethanes (ppb)	80	0	24.35 (avg)	9.5 - 36.7	9.5 - 36.7	2015	No	By-product of drinking water Chlorination
Bromodichloromethane (ppb)	80	0	6.9 (avg)	3.9 - 11.0	3.9 - 11.0	2015	No	By-product of drinking water Chlorination
Bromoform (ppb)	80	0	0.28 (avg)	ND - 0.43	ND - 0.43	2015	No	By-product of drinking water Chlorination
Chloroform (ppb)	80	0	8.77 (avg)	2.8 - 20.0	2.8 - 20.0	2015	No	By-product of drinking water Chlorination
Dibromochloromethane (ppb)	80	0	3.74 (avg)	2.6 - 5.3	2.6 - 5.3	2015	No	By-product of drinking water Chlorination
Regulated Inorganic Results								
Antimony (ppb)	6	6	ND	ND	ND	2014	No	Discharge from petroleum refineries, fire retardants, ceramics, electronics, solder
Arsenic (ppb)	10	N/A	0.65	0.65	0.65	2014	No	Erosion of natural deposits
Barium (ppm)	2	2	0.022	0.022	0.022	2014	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Cadmium (ppb)	5	5	ND	ND	ND	2014	No	Erosion of natural deposits
Chromium (ppb)	100	100	ND	ND	ND	2014	No	Erosion of natural deposits
Copper (ppm)	1.3 (AL)	1.3	0.1 (90th percentile)	0.002 - 0.260	0.002 - 0.260	2014	No	Corrosion of household plumbing systems; Erosion of natural deposits; leaching from wood preservatives
Cyanide (ppb)	200	200	9	9	9	2014	No	Discharge from Steel/Metal factories; Discharge from plastic and fertilizer factories
Fluoride (ppm)	4	4	0.85	0.57 - 0.85	0.57 - 0.85	2015	No	Erosion of natural deposits; Water additive that promotes strong teeth;
Lead (ppb)	15 (AL)	0	6.20 (90th percentile)	1.5 - 100	1.5 - 100	2014	No	Corrosion of household plumbing systems; Erosion of natural deposits
Nickel (ppb)	100	N/A	0.86	0.86	0.86	2014	No	Nickel occurs naturally in soils, ground water and surface waters and is often used in electroplating, stainless steel and alloy products
Nitrate as N (ppm)	10	10	0.46	0.46	0.46	2015	No	Runoff from fertilizer use; Leaching from septic tanks; Erosion of natural deposits
Sodium (ppm)	N/A	N/A	7.9	7.9	7.9	2015	N/A	N/A
Radioactive Result								
Radium (226+228) (pCi/L)	5	0	1.5	1.5	1.5	2014	No	Erosion of natural deposits

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Unregulated Contaminant Monitoring Program							
Chromium 6 (ppb)	N/A	N/A	0.247	0.190 - 0.247	2013	N/A	Naturally occurring element; used in making steel and other alloys.
Chromium Total (ppb)	N/A	N/A	1.220	0.241 - 1.220	2013	N/A	Naturally occurring element; used in making steel and other alloys.
Molybdenum (ppb)	N/A	N/A	1.1873	ND - 1.1873	2013	N/A	Naturally occurring element found in ores and present in plants, animals and bacteria
Strontium (ppb)	N/A	N/A	127.365	117.625 - 127.365	2013	N/A	Naturally occurring element. Has been used in the faceplate glass of cathode-ray tube televisions to block x-ray emissions.
Vanadium (ppb)	N/A	N/A	0.318	0.2407 - 0.318	2013	N/A	Naturally occurring elemental metal
Temperature (°F)	N/A	N/A	63.1	32.9 - 63.1	2015	N/A	N/A
Other Monitored Parameters							
Sulfate (ppm)	N/A	N/A	28	28	2014	N/A	N/A
Ortho-phosphate (ppm)	N/A	N/A	0.16 (avg)	0.13 - 0.22	2015	N/A	Water additive to reduce corrosion of household plumbing systems
Total Organic Carbon (ppm)	TT	N/A	1.36 (avg)	1.00 - 2.00	2015	N/A	N/A
Turbidity (NTU)	< 0.30	N/A	0.029 (avg)	0.024 - 0.069	2015	No	Erosion of natural deposits
Alkalinity (ppm)	N/A	N/A	104 (avg)	99 - 117	2015	N/A	N/A
Conductivity (µS/cm)	N/A	N/A	306 (avg)	287 - 330	2015	N/A	N/A
Total Hardness (ppm)	N/A	N/A	137 (avg)	130 - 148	2015	N/A	N/A
pH (pH Units)	N/A	N/A	7.66 (avg)	7.42 - 7.96	2015	N/A	N/A

AL: Action Level The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow. Action levels are reported at the 90th percentile from homes at greatest risk.

MCL: Maximum Contaminant Level The highest level of a contaminant that is allowed in drinking water. MCLs 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.

{MRDL}: Maximum Residual Disinfectant Level The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

{MRDLG}: Maximum Residual Disinfectant Level Goal The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contamination.

TT: Treatment Technique A required process intended to reduce the level of a contaminant in drinking water.

DEFINITIONS

Abbreviations:

- avg: average
- N/A: Not Applicable
- ND: Not Detected
- pCi/L: picocuries per liter
- NTU: Nephelometric Turbidity Units
- ppb: parts per billion (µg/L)
- ppm: parts per million (mg/L)
- µS/cm: microsiemens per centimeter

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