

## Kenosha Water Utility - 2012 Drinking Water Quality Report

Substance (Units)	Year Tested	Highest Level Detected	Range/Comments	MCL or {MRDL}	MCLG or {MRDLG}	Possible Sources In Water
<b>Microbiological Results</b>						
Total Coliform Bacteria (% positive)	2012	0.98	0 - 0.98	<5% of monthly samples	0	Naturally present in the environment; E.coli comes from human and animal waste
<b>Disinfection Results</b>						
Haloacetic Acids (ppb)	2012	10.6 (avg)	7.3 - 14.0	60	N/A	By-product of disinfection process
Total Trihalomethanes (ppb)	2012	30.2 (avg)	15.0 - 41.0	80	0	By-product of disinfection process
Bromodichloromethane (ppb)	2012	8.36 (avg)	5.6 - 13.0	80	N/A	By-product of disinfection process
Bromoform (ppb)	2012	0.29	ND - 0.54	80	N/A	By-product of disinfection process
Chloroform (ppb)	2012	10.98 (avg)	4.7 - 22.0	80	N/A	By-product of disinfection process
Dibromochloromethane (ppb)	2012	4.54 (avg)	3.8 - 6.3	80	N/A	By-product of disinfection process
<b>Regulated Inorganic Results</b>						
Antimony (ppb)	2011	0.18	0.18	6	6	Fire retardants, electronics
Arsenic (ppb)	2011	ND	ND	10	N/A	Erosion of natural deposits
Barium (ppm)	2011	0.021	0.021	2	2	Erosion of natural deposits
Cadmium (ppb)	2011	ND	ND	5	5	Erosion of natural deposits
Chromium (ppb)	2011	ND	ND	100	100	Erosion of natural deposits
Copper (ppm)	2011	0.13 (AL*)	0 of 31 sites > AL	1.3 (AL)	1.3	Corrosion of household plumbing materials
Fluoride (ppm)	2012	1.43	0.17 - 1.43	4	4	Additive to reduce tooth decay
Lead (ppb)	2011	6.3 (AL*)	1 of 31 sites > AL	15 (AL)	0	Corrosion of household plumbing materials
Nickel (ppb)	2011	0.98	0.98	100	N/A	Naturally present in the environment
Nitrate as N (ppm)	2012	0.53	0.53	10	10	Runoff from fertilizers
Sodium (ppm)	2012	9.6	9.6	N/A	N/A	Naturally present in the environment
<b>Radioactive Result</b>						
Radium (pCi/L) (226+228)	2009	0.8	0.8	5	0	Erosion of natural deposits
<b>Other Monitored Parameters</b>						
Sulfate (ppm)	2011	27	27	N/A	N/A	Naturally present in the environment
Total Chlorine (ppm)	2012	1.4	1.00 - 1.40	{ 4 }	{ 4 }	Additive to control microbials
Total Hardness (ppm)	2012	150	132 - 150	500		
Total Organic Carbon (ppm)	2012	1.3 (avg)	0.8 - 1.5	T T	N/A	Naturally present in the environment
Turbidity (NTU)	2012	0.038	0.025 - 0.038	<0.30		Soil Runoff
Alkalinity (ppm)	2012	112	98 - 112			
Conductivity (µS/cm)	2012	460	273 - 460			
Ortho-phosphate (ppm)	2012	0.24	0.11 - 0.24			
pH (pH Units)	2012	7.82	7.31 - 7.82			
Temperature (Fahrenheit)	2012	76	33.0 - 76.0			

**Abbreviations/Notes:**

avg - average  
 N/A - Not Applicable  
 ND - Not Detected  
 NTU - Nephelometric Turbidity Units  
 \*AL reported at the 90th percentile  
 ppb - parts per billion (µg/L)  
 ppm - parts per million (mg/L)  
 pCi/L - picocuries per liter  
 µS/cm - microsiemens/centimeter