

2011 Boonsboro/Keedysville Water Quality Data Table

The table below represents drinking water contaminants detected for the 2011 calendar year. Some of the data represented in this report is more than one year old. This is because the state allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently.

Contaminant	Source	Sample Date	Unit of Measure	MCLG	MCL/TT	Your Water	Violation	Typical Source of Contamination
Volatile Organic Chemicals (VOC's)								
HAA5 Haloacetic Acids	D	2011	ppb	N/A	60	.66	N	By-product of drinking water chlorination
TTHM Total Trihalomethanes	D	2011	ppb	N/A	80	4.05	N	By-product of drinking water chlorination
Inorganic Contaminants								
Fluoride	1	2009	ppm	4	4	.635	N	Erosion of natural deposits; water additives promoting strong teeth; discharge from fertilizer and aluminum factories
Fluoride	2	2010	ppm	4	4	.74	N	
Fluoride	3	2009	ppm	4	4	.487	N	
Nitrate	1	2011	ppm	10	10	3.4	N	Fertilizer runoff; leaching from septic tanks, sewage; erosion of natural deposits
Nitrate	2	2011	ppm	10	10	4.7	N	
Nitrate	3	2011	ppm	10	10	4.1	N	
Copper	consumers tap	2011	ppm	1.3	1.3	.33	N	Corrosion of household plumbing systems, Erosion of natural deposits
Lead	consumers tap	2011	ppm	0	0.015	0	N	
Synthetic Organic Contaminants including Pesticides and Herbicides								
Dinoseb	2	2010	ppb	7	7	.1	N	Runoff from herbicides used on soybeans and vegetables
Pentachloro-phenol	3	2009	ppb	0	1	.04	N	Runoff from wood preserving factories
Unregulated Contaminants- monitoring of unregulated contaminants helps EPA to determine where certain contaminants occur and whether the Agency should consider regulating those contaminants in the future.								
Sodium	1	2009	ppm	N/A	N/A	31.1	N	Erosion of natural deposits
Sodium	2	2010	ppm	N/A	N/A	26.2	N	
Sodium	3	2009	ppm	N/A	N/A	19	N	
Dibromochloromethane	1	2011	ppm	N/A	N/A	.6	N	Byproducts of Chlorine disinfection
Dibromochloromethane	3	2011	ppm	N/A	N/A	.6	N	
Bromodichloromethane	1	2011	ppm	N/A	N/A	.4	N	
Bromodichloromethane	3	2011	ppm	N/A	N/A	.4	N	
Drinking Water Definitions and (Unit) Descriptions								
MCLG	Maximum Contaminant Level Goal; the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLG's allow for a margin of safety.							
MCL	Maximum Contaminant Level; the highest level of a contaminant that is allowed in drinking water. MCL's are set as close to the MCLG's as feasible using the best available treatment technology.							
NA	Not Applicable							
NTU	Nephelometric Turbidity Unit. A measure of the clarity of water.							
ppb (ug/L)	Parts Per Billion (micrograms per liter). One part per billion corresponds to one minute in 2,000 years.							
ppm (mg/L)	Parts Per Million (milligrams per liter). One part per million corresponds to one minute in two years.							
pCi/L	Picocuries per liter--measure of radioactivity in water.							
Source	Monitoring results are for three water sources and the distribution system as a whole (noted as 1, 2, 3 & D)							
TT	Treatment Technique. Required process to reduce the level of a contaminant in drinking water.							

The Town's of Boonsboro and Keedysville take great pride in providing the best quality of water possible to every tap. We ask all of our customers to invest in the welfare of our children's future by helping us to protect and safeguard our water sources.

For more information or questions regarding this report, please contact Debra A. Smith, Boonsboro Town Manager at 301-432--5141 or town.manager@myactv.net or visit the EPA website at www.epa.gov/safewater

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