

Mecklenburg County

WATER

Quality Report



COLLECTION DATE AND TIME:

March 30th, 2015 3:06

Definition and Legend

This informational water quality report compares the actual test result to national standards as defined in the EPA's Primary and Secondary Drinking Water Regulations.

Primary Standards: Are expressed as the maximum contaminant level (MCL) which is the highest level of contaminant that is allowed in drinking water. MCLs are enforceable standards.

Secondary standards: Are non-enforceable guidelines regulating contaminants that may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water. Individual states may choose to adopt them as enforceable standards.

Action levels: Are defined in treatment techniques which are required processes intended to reduce the level of a contaminant in drinking water.

mg/L (ppm): Unless otherwise indicated, results and standards are expressed as an amount in milligrams per liter or parts per million.

Minimum Detection Level (MDL): The lowest level that the laboratory can detect a contaminant.

ND: The contaminant was not detected above the minimum detection level.

NA: The contaminant was not analyzed.



The contaminant was not detected in the sample above the minimum detection level.



The contaminant was detected at or above the minimum detection level, but not above the referenced standard.



The contaminant was detected above the standard, which is not an EPA enforceable MCL.



The contaminant was detected above the EPA enforceable MCL.



These results may be invalid.

Status	Contaminant	Results	Units	National Standards	Min. Detection Level
Inorganic Analytes - Metals					
✓	Aluminum	ND	mg/L	0.2	EPA Secondary 0.1
✓	Arsenic	ND	mg/L	0.010	EPA Primary 0.005
✓	Barium	ND	mg/L	2	EPA Primary 0.30
✓	Cadmium	ND	mg/L	0.005	EPA Primary 0.002
●	Calcium	10.3	mg/L	--	2.0
✓	Chromium	ND	mg/L	0.1	EPA Primary 0.010
✓	Copper	ND	mg/L	1.3	EPA Action Level 0.004
✓	Iron	ND	mg/L	0.3	EPA Secondary 0.020
✓	Lead	ND	mg/L	0.015	EPA Action Level 0.002
●	Magnesium	1.80	mg/L	--	0.10
✓	Manganese	ND	mg/L	0.05	EPA Secondary 0.004
✓	Mercury	ND	mg/L	0.002	EPA Primary 0.001
✓	Nickel	ND	mg/L	--	0.020
✓	Selenium	ND	mg/L	0.05	EPA Primary 0.020
✓	Silver	ND	mg/L	0.100	EPA Secondary 0.002
●	Sodium	4	mg/L	--	1
✓	Zinc	ND	mg/L	5	EPA Secondary 0.004
Physical Factors					
●	Alkalinity (Total as CaCO3)	30	mg/L	--	20
●	Hardness	33	mg/L	100	NTL Internal 10
▲	pH	8.6	pH Units	6.5 to 8.5	EPA Secondary
●	Total Dissolved Solids	52	mg/L	500	EPA Secondary 20
Inorganic Analytes - Other					
✓	Bromate	ND	mg/L	0.010	EPA Primary 0.005
●	Chloramine (Field)	0.4	mg/L	--	0.1
●	Chloride	6.7	mg/L	250	EPA Secondary 5.0
●	Chlorine-Free (Field)	0.40	mg/L	--	0.05

Status	Contaminant	Results	Units	National Standards	Min. Detection Level
	Chlorine-Total (Field)	0.8	mg/L	--	0.1
	Chlorite	ND	mg/L	1.0	EPA Primary 0.005
	Fluoride	ND	mg/L	4.0	EPA Primary 0.5
	Nitrate as N	ND	mg/L	10	EPA Primary 0.5
	Nitrite as N	ND	mg/L	1	EPA Primary 0.5
	Ortho Phosphate	ND	mg/L	--	2.0
	Sulfate	8.7	mg/L	250	EPA Secondary 5.0
Organic Analytes - Trihalomethanes					
	Bromodichloromethane	0.017	mg/L	--	0.002
	Bromoform	0.010	mg/L	--	0.004
	Chloroform	0.006	mg/L	--	0.002
	Dibromochloromethane	0.025	mg/L	--	0.004
	Total THMs	0.058	mg/L	0.080	EPA Primary 0.002
Organic Analytes - Haloacetic Acids					
	Dibromoacetic Acid	0.007	mg/L	--	0.001
	Dichloroacetic Acid	0.002	mg/L	--	0.001
	Monobromoacetic Acid	ND	mg/L	--	0.001
	Monochloroacetic Acid	ND	mg/L	--	0.001
	Trichloroacetic Acid	0.001	mg/L	--	0.001
	Total HAAs	0.010	mg/L	0.060	EPA Primary 0.001
Organic Analytes - Volatiles					
	1,1,1,2-Tetrachloroethane	ND	mg/L	--	0.002
	1,1,1-Trichloroethane	ND	mg/L	0.2	EPA Primary 0.001
	1,1,2,2-Tetrachloroethane	ND	mg/L	--	0.002
	1,1,2-Trichloroethane	ND	mg/L	0.005	EPA Primary 0.002
	1,1-Dichloroethane	ND	mg/L	--	0.002
	1,1-Dichloroethene	ND	mg/L	0.007	EPA Primary 0.001
	1,1-Dichloropropene	ND	mg/L	--	0.002

Status	Contaminant	Results	Units	National Standards	Min. Detection Level
✓	1,2,3-Trichlorobenzene	ND	mg/L	--	0.002
✓	1,2,3-Trichloropropane	ND	mg/L	--	0.002
✓	1,2,4-Trichlorobenzene	ND	mg/L	0.07 EPA Primary	0.002
✓	1,2-Dichlorobenzene	ND	mg/L	0.6 EPA Primary	0.001
✓	1,2-Dichloroethane	ND	mg/L	0.005 EPA Primary	0.001
✓	1,2-Dichloropropane	ND	mg/L	0.005 EPA Primary	0.002
✓	1,3-Dichlorobenzene	ND	mg/L	--	0.001
✓	1,3-Dichloropropane	ND	mg/L	--	0.002
✓	1,4-Dichlorobenzene	ND	mg/L	0.075 EPA Primary	0.001
✓	2,2-Dichloropropane	ND	mg/L	--	0.002
✓	2-Chlorotoluene	ND	mg/L	--	0.001
✓	4-Chlorotoluene	ND	mg/L	--	0.001
✓	Acetone	ND	mg/L	--	0.01
✓	Benzene	ND	mg/L	0.005 EPA Primary	0.001
✓	Bromobenzene	ND	mg/L	--	0.002
✓	Bromomethane	ND	mg/L	--	0.002
✓	Carbon Tetrachloride	ND	mg/L	0.005 EPA Primary	0.001
✓	Chlorobenzene	ND	mg/L	0.1 EPA Primary	0.001
✓	Chloroethane	ND	mg/L	--	0.002
✓	Chloromethane	ND	mg/L	--	0.002
✓	cis-1,2-Dichloroethene	ND	mg/L	0.07 EPA Primary	0.002
✓	cis-1,3-Dichloropropene	ND	mg/L	--	0.002
✓	DBCP	ND	mg/L	--	0.001
✓	Dibromomethane	ND	mg/L	--	0.002
✓	Dichlorodifluoromethane	ND	mg/L	--	0.002
✓	Dichloromethane	ND	mg/L	0.005 EPA Primary	0.002
✓	EDB	ND	mg/L	--	0.001
✓	Ethylbenzene	ND	mg/L	0.7 EPA Primary	0.001

Status	Contaminant	Results	Units	National Standards	Min. Detection Level
✓	Methyl Tert Butyl Ether	ND	mg/L	--	0.004
✓	Methyl-Ethyl Ketone	ND	mg/L	--	0.01
✓	Styrene	ND	mg/L	0.1 EPA Primary	0.001
✓	Tetrachloroethene	ND	mg/L	0.005 EPA Primary	0.002
✓	Tetrahydrofuran	ND	mg/L	--	0.01
✓	Toluene	ND	mg/L	1 EPA Primary	0.001
✓	trans-1,2-Dichloroethene	ND	mg/L	0.1 EPA Primary	0.002
✓	trans-1,3-Dichloropropene	ND	mg/L	--	0.002
✓	Trichloroethene	ND	mg/L	0.005 EPA Primary	0.001
✓	Trichlorofluoromethane	ND	mg/L	--	0.002
✓	Vinyl Chloride	ND	mg/L	0.002 EPA Primary	0.001
✓	Xylenes (Total)	ND	mg/L	10 EPA Primary	0.001
Organic Analytes - Others					
✓	2,4-D	ND	mg/L	0.07 EPA Primary	0.010
✓	Alachlor	ND	mg/L	0.002 EPA Primary	0.001
✓	Aldrin	ND	mg/L	--	0.002
✓	Atrazine	ND	mg/L	0.003 EPA Primary	0.002
✓	Chlordane	ND	mg/L	0.002 EPA Primary	0.001
✓	Dichloran	ND	mg/L	--	0.002
✓	Dieldrin	ND	mg/L	--	0.001
✓	Endrin	ND	mg/L	0.002 EPA Primary	0.0001
✓	Heptachlor	ND	mg/L	0.0004 EPA Primary	0.0004
✓	Heptachlor Epoxide	ND	mg/L	0.0002 EPA Primary	0.0001
✓	Hexachlorobenzene	ND	mg/L	0.001 EPA Primary	0.0005
✓	Hexachlorocyclopentadiene	ND	mg/L	0.05 EPA Primary	0.001
✓	Lindane	ND	mg/L	0.0002 EPA Primary	0.0002
✓	Methoxychlor	ND	mg/L	0.04 EPA Primary	0.002
✓	Pentachloronitrobenzene	ND	mg/L	--	0.002

Status	Contaminant	Results	Units	National Standards	Min. Detection Level
✓	Silvex 2,4,5-TP	ND	mg/L	0.05 EPA Primary	0.005
✓	Simazine	ND	mg/L	0.004 EPA Primary	0.002
✓	Total PCBs	ND	mg/L	0.0005 EPA Primary	0.0005
✓	Toxaphene	ND	mg/L	0.003 EPA Primary	0.001
✓	Trifluralin	ND	mg/L	--	0.002

We certify that the analyses performed for this report are accurate, and that the laboratory tests were conducted by methods approved by the U.S. Environmental Protection Agency or variations of these EPA methods.

These test results are intended to be used for informational purposes only and may not be used for regulatory compliance.

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