

CCWA Water Quality Data Table - 2001

The table below lists all of the drinking water contaminants that we detected during the calendar year of this report. The presence of contaminants in the water does not necessarily indicate that the water poses a health risk. The following table is a more extensive list of contaminants list and/or tested. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report. The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. Since the Snake Creek Water Treatment Plant did not go into service until June of 2001, some of the laboratory data is from February of 2002.

Important Drinking Water Definitions:

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.

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.

AL: Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

| Contaminants (units) | MCLG | MCL | CCWA Value | Range Low High | Violation | Typical Source |
|--|------|-----|------------|----------------|-----------|---|
| Inorganic Contaminants | | | | | | |
| Fluoride (ppm) | 4 | 4 | 1.0 | 0.23 - 1.40 | No | Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories |
| Nitrate [measured as Nitrogen] (ppm) | 10 | 10 | 0.2 | 0 - 0.2 | No | Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits. |
| Nitrite [measured as Nitrogen] (ppm) | 1 | 1 | 0.1 | 0 - 0.3 | No | Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits. |
| Turbidity | 0 | TT | < 0.2 | 0 - 0.5 | No | Soil runoff |
| Total Coliform (% of monthly positive samples) | 0 | 5 | 0 | 0 - 6.7* | No | Naturally present in the environment |
| Unregulated Contaminants | | | | | | |
| Bromodichloromethane (ppb) | MNR | MNR | 0.14 | 0 - 1.1 | No | |
| Chlorodibromomethane (ppb) | MNR | MNR | 5.9 | 0 - 7.5 | No | |
| Chloroform (ppb) | MNR | MNR | 35 | 7.5 - 49 | No | |
| Volatile Organic Contaminants | | | | | | |
| Dichloromethane (ppb) | 0 | 5 | 4.54 | 0 - 4.54** | No | Discharge from pharmaceutical and chemical factories |
| Total Haloacetic Acids [THAA] (ppb) | 0 | 60 | 54 | 4.7 - 138*** | No | By-product of drinking water chlorination |
| Total Trihalomethanes [TTHM] (ppb) | 0 | 100 | 43 | 21 - 66 | No | By-product of drinking water chlorination |
| Lead and Copper | | | | | | |
| Copper (ppm) **** | 0 | 1.3 | 0.16 | 0 - 0.19 | No | Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems |
| Lead (ppb) **** | 0 | 15 | 2.9 | 0 - 8.9 | No | Corrosion of household plumbing systems; Erosion of natural deposits |

Units Description:

* Present in 2 of 30 samples in August 2001 by Carroll County Water Authority (but not found in subsequent testing)

** Present in samples of City of Carrollton water

*** City of Carrollton water had samples to 138 ppb, Douglas County water had samples to 62 ppb

**** Lead detection up to 18 ppb, and copper detection up to 1.1 ppm found in City of Bowdon system

NA: Not applicable

ND: Not detected

NR: Not reported

MNR: Monitoring not required, but recommended.

ppm: parts per million, or milligrams per liter

ppb: parts per billion, or micrograms per liter

ppt: parts per trillion, or nanograms per liter

ppq: parts per quadrillion, or picograms per liter

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

% of monthly positive samples: Percent of samples taken monthly that were positive

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We welcome your questions. If you are interested in learning more about the Water Authority, and how we deliver safe water to your home, please feel free to contact us.

For more information contact:

Carroll County Water Authority
P.O. Box 739
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Carrollton, GA 30117

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Jim Baxley, Executive Director

Our Board meets the third Thursday of each month, at 10:00 a.m., at the County Commission meeting room.
Please feel free to participate in these meetings.

Learn more about the Carroll County Water Authority at: www.ccwageorgia.com

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