

## Canaan Utilities Test Results 2022

Canaan Utilities routinely monitors for constituents in your drinking water according to Federal and State laws. Canaan Utilities is pleased to inform you that there were no violations in 2022.

The table below lists all the contaminants that we detected during the 2022 calendar year. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise indicated, the data presented in this table is from testing done between January 1 and December 31, 2022. The Indiana Department of Environmental Management (IDEM) requires us to monitor for certain contaminants at a frequency less than once per year because the concentrations of these contaminants are not expected to vary significantly from one year to another. Some of the data, though representative of the water quality, may however be more than one year old.

Some of the terms and abbreviations used in this report are:

*MCL: Maximum Contaminant Level, the highest level of a contaminant that is allowed in drinking water*

*MCLG: Maximum Contaminant Level Goal, the level of a contaminant in drinking water below which there is no known or expected risk to health*

*MRDL: Maximum Residual Disinfectant Level, the highest level of disinfectant allowed in drinking water*

*MRDLG: Maximum Residual Disinfectant Level Goal, the level of drinking water disinfectant below which there is no known or expected risk to health*

*AL: Action Level, the concentration of a contaminant which, when exceeded, triggers treatment or other requirements or action which a system must follow*

*ppm: parts per million, a measure for concentration equivalent to milligrams per liter*

*ppb: parts per billion, a measure for concentration equivalent to micrograms per liter*

*n/a: either not available or not applicable*

*ND: Not Detected-the result was not detected at or above the analytical method detection level*

### **Section I – Contaminates Detected Inorganic Contaminants**

<b>Date</b>	<b>Contaminant</b>	<b>MCL</b>	<b>MCLG</b>	<b>Units</b>	<b>Result</b>	<b>Min</b>	<b>Max</b>	<b>Violates</b>	<b>Likely Sources</b>
Valid until 12/31/2022	Copper (90 <sup>th</sup> percentile)	1.3(A L)	1.3	PPM	0.199			No	Erosion of natural deposits; Leaching from wood Preservatives; Corrosion of household plumbing systems
Valid until 12/31/2022	Lead (90 <sup>th</sup> percentile)	15 (AL)	0	PPB	2.8			No	Corrosion of household plumbing systems Erosion of natural deposits

### **Disinfection Byproducts & Precursors**

<b>Date</b>	<b>Contaminant</b>	<b>MCL</b>	<b>MCLG</b>	<b>Units</b>	<b>Result</b>	<b>Min</b>	<b>Max</b>	<b>Violates</b>	<b>Likely Sources</b>
2022	Chlorine	MRDLG=4	MRDL=4	ppm	1	1	1	No	Water additive used to control microbes
2022	Total Haloacetic Acids (HAA5)	60		ppb	4.44	4.44	4.4	No	By-product of drinking water chlorination
2022	Total Trihalomethanes (TTHM)	80		ppb	11.8	11.8	11.8	No	By-product of drinking water chlorination

*MCLs are set at very stringent levels. To understand the possible health effects described for many regulated constituents we have provided the following example: a person would have to drink 2 liters of water every day at the maximum MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.*

Once again, Canaan Utilities is proud to present our annual water quality report to reveal the test results for January 1 thru December 31, 2022. As always, we are committed to delivering to you a safe and dependable supply of drinking water. We currently have on staff 1 State Certified operator that is vigilant in meeting the challenges of new regulations, water conservation and community outreach while continuing to serve the needs of all of our water users. Thank you for allowing us to continue providing you and your family with quality water. We purchase our water from the Madison Water Department, Patriot Water Department, and Aberdeen Pate Water Company.

We would encourage you to share your thoughts with us concerning the information contained in this report. Should you ever have any questions or concerns, we are always available to assist you. To obtain more information about this report or for any questions related to your drinking water, please contact Superintendent David Hiatt (812) 839-4000.

We would also invite you to attend any water board meeting should you have concerns about your drinking water. Meetings are held at the water office located at 8990 N Canaan Main St Canaan on the second Tuesday of each month beginning at 7 p.m.

**Water Safety** – in order to insure that tap water is safe to drink, the Department of Environmental Management and the EPA prescribe regulations, which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

## Aberdeen-Pate Water Test Results 2022

Aberdeen-Pate Water Company routinely monitors for constituents in your drinking water according to Federal and State Laws. Aberdeen-Pate Water Company is pleased to inform you that there were no violations in 2022.

This report shows the results of our monitoring for the period of 2022. The EPA has determined that your water IS SAFE at these levels. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at (800) 426-4791.

### **INORGANIC CONTAMINANTS**

Date	Contaminant	MCL	MCLG	Units	Result	Min	Max	Violates	Likely Sources
2022	Copper (90 <sup>th</sup> percentile)	1.3 (AL)	1.3	PPM	1.45			No	Erosion of natural deposits; leaching from wood preservatives. Corrosion of household plumbing systems
2022	Lead (90 <sup>th</sup> percentile)	15 AL	0	PPB	3.3			No	Corrosion of household plumbing systems, erosion of natural deposits
12/14/2021	Arsenic	10	0	PPB	1.1	1.1	1.1	No	Erosion of natural deposits, Runoff from orchards and glass and electronics production waste
12/14/2021	Barium	2	2	PPM	0.033	0.033	0.033	No	Discharge of drilling waste and metal refineries; Erosion of natural deposits
12/14/2021	Fluoride	4	4	PPM	0.226	0.226	0.226	No	Erosion of natural deposits; water additive; Discharge from fertilizer and aluminum factories
2022	Nitrate	10	10	PPM	4	4.43	4.43	No	Runoff from fertilizer; Leaching from septic tanks, sewage; Erosion of natural deposits
<b>RADIOACTIVE CONTAMINANTS</b>									
03/06/2019	Beta/photon emitters	0	4	Mrem/yr	3.1	3.1	3.1	No	Decay of natural and man-made deposits
07/09/2019	Gross alpha excluding radon and uranium	0	15	pCi/L	1.7	1.7	1.7	No	Erosion of natural deposits

### **DISINFECTION BYPRODUCTS & PRECURSORS**

Date	Contaminant	MCL	MCLG	Units	Results	Min	Max	Violates	Sources
2022	Chlorine	MRDLG=4	MRDL=4	PPM	1	1	1	No	Water additive to control microbes
2022	Total Haloacetic Acids (HAA5)	60		PPB	7	6.7	6.7	No	Byproduct of water chlorination
2022	Total Trihalomethanes (TTHM)	80		PPB	6.92	6.92	6.92	No	Byproduct of water chlorination

"If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and compounds associated with service lines and home plumbing. Canaan Utilities is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>."

**Water Sources** – the source of drinking water (both tap water and bottled water) includes rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land, or through the ground, it dissolves naturally occurring minerals, and in some cases, radioactive material, and can pick up substances resulting from the presence of animals or human activities.

**Contaminants** – contaminants that may be present in source water include: microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife. Inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm water runoff, industrial or domestic waste water discharges, oil and gas production, mining or farming. Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential use. Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems, and radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

**Drinking Water** – drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at (800) 426-4791.

**For Your Health** – some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants can be obtained from the Safe Drinking Water Hotline at (800) 426-4791.