

**O**ur source of supply, which is groundwater, comes from four wells completed in Silurian and Ordovician bedrock aquifers,

containing carbonate limestone and dolomites. As water travels over the land or underground, it can pick up substances or contaminants. Contaminants that may be present in source water include: microbes, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, 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 wastewater discharges, oil and gas production, mining, or farming; organic chemical contaminants, which are by-products of industrial processes and petroleum production and can also come from gas stations, urban storm water runoff, and septic systems; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm runoff, and residential uses; and radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities. Drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. It is important to remember that the presence of these contaminants does not necessarily pose a health risk. Some people may be more vulnerable to substances found in drinking water than the general population. Immunocompromised persons such as people undergoing chemotherapy, people 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 provider. We monitor S.O.C.'s (Synthetic Organic Chemicals), V.O.C.'s (Volatile Organic Chemicals), nitrate, sodium, lead, copper, asbestos and radioactive contaminants. Bacteriological sample tests are done weekly. All testing is done in accordance with State and Federal Rules.

Lead and Copper	Date sampled	MCLG	Action Level (AL)	90th Percentile	#Sites over AL	Units	Violation	Likely Source of Contamination
Copper	2019	1.3	1.3	0.2	0	ppm	N	Erosion of natural deposits, leaching from wood preservatives, corrosion of household plumbing systems.
Lead	2017	0	1.5	1.3	0	ppb	N	Corrosion of household plumbing systems, erosion of natural deposits.

**Regulated Contaminants**

Disinfectants and Disinfection by-products	Collection Date	Highest Level Detected	Range of levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Chlorine	2019	1	0.1	MRLDG=4	MRDL=4	ppm	N	Water additive used to control microbes.
Total Trihalomethanes (TTHM)	2019	1	1.2-1.2	No goal for the total.	80	ppb	N	By-product of drinking water disinfection.
Haloacetic Acids	2019	10	9.9-9.9	No goal for the total.	60	ppb	N	By-product of drinking water disinfection.

Inorganic Contaminants	Collection Date	Highest Level Detected	Range of levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Arsenic	2018	1.9	1.9-1.9	0	10	ppb	N	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes.
Barium	2018	0.16	0.15-0.16	2	2	ppm	N	Discharge of drilling waste; discharge from metal refineries; erosion of natural deposits.
Fluoride	2018	0.75	0.61-0.75	4	4.0	ppm	N	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
Nitrate (Measured as Nitrogen)	2018	1	0-2.1	10	10	ppm	N	Runoff from fertilizer use; leaching from septic tank sewage; erosion of natural deposits.

Radioactive Contaminants	Collection Date	Highest Level Detected	Range of levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Gross Alpha Including Radon and Uranium	2018	1.41	1.41-1.41	0	15	pCi/L	N	Erosion of natural deposits.
Uranium	2018	0.3106	0.3106-0.3106	0	30	Ug/L	N	Erosion of natural deposits.
Beta/Photon Emitters	2018	3.64	3.64	0	4	mrem/yr	N	Decay of natural and manmade deposits.
Combined Radium 226/228	2018	0.51	0.51-0.51	0	5	pCi/L	N	Erosion of natural deposits.

**W**e are pleased to report that our drinking water is safe and meets Federal and State requirements. If you have any questions concerning this report or your water utility concerning this report or your water utility, please leave a message for the Water Superintendent, Wayne Studebaker at 765-759-8521. Your call will be returned in a timely manner. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our Town Council meetings held on the third Monday of each month at 5:30 p.m. in the Town Council Chambers, 9312 W. Smith St., Yorktown.

*Our drinking water is safe and meets Federal and State requirements.*

*Lead*

**I**f 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 components associated with service lines and home plumbing. Yorktown Municipal Water Works 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 lead exposure by flushing your tap for 30 seconds or 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have it 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: (800) 426-4797 or at: <http://www.epa.gov/safewater/lead>

**Source Water Information**

Source Water Name	Location	Type of Water
WELL #1	Broadway	Groundwater
WELL #2	Broadway	Groundwater
WELL #3	Lion's Club	Groundwater
WELL #4	Neko Road	Groundwater

## Indoors

Check all pipes and faucets for leaks—hundreds of gallons of water could be dripping away daily.

Check toilets for hidden or “silent” leaks. Add food coloring to the water in the tank. If color appears in the bowl without flushing, you have a leak.

Install water-saving shower head; turn off water while soaping up or shampooing; take shorter showers.

Turn off the tap while you shave or brush your teeth.

Adjust the load setting on the washing machine with the amount to be washed.

## Outdoors

Use a broom instead of a water hose to clear debris from patios, driveways, and sidewalks.

To reduce evaporation, water your lawn in the early morning or in the evening.

Apply a layer of mulch around trees and plants so more water can be retained by the roots.

Wash the car with soap, water, and bucket, using a hose with a shut-off nozzle for a quick final rinse.

Adjust sprinklers so only the lawn is watered and not the house, sidewalk, or street.

**Table shows the detected contaminants for the period of January 1, 2019 to December 31, 2019. To help you better understand the table and abbreviations used in the table provided the following definitions:**

**Maximum Contaminant Level Goal (MCLG)** – The level of a contaminant in drinking water which there is no known or expected risk to health.

MCLG's allow for a margin of safety.

**Maximum Contaminant Level (MCL)** – The highest level of a contaminant that is allowed in drinking water. MCL's are set as close as possible to MCLG's as feasible using the available treatment technology.

**Maximum Residual Disinfectant Level (MRDL)** – The concentration of a disinfectant in drinking water when exceeded, triggers treatment or other actions which a system must follow.

**Parts per million (ppm)** – One part per million corresponds to one minute in two years or a single penny in \$10,000.

**Parts per billion (ppb)** – One part per billion corresponds to one minute in two thousand years or a single penny in \$10,000,000.

**Inorganic contaminants** – Chemical substance of mineral

**Volatile organic compounds (VOCs)** – By-products of industrial processes and petroleum production and can come from gas stations, urban storm water run-off and septic systems.

Call the Safe Drinking Water Hotline (800-426-4791) for information. The Environmental Protection Agency and The Center for Disease Control guidelines the appropriate means to lessen the risk of infection by drinking water contaminated by these contaminants. Or visit their website at [www.epa.gov/safewater/](http://www.epa.gov/safewater/).

**BDL** - Below Detection Level pCi/L - picocuries per liter

**MRDL** - (Maximum Residual Disinfectant Level) – The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

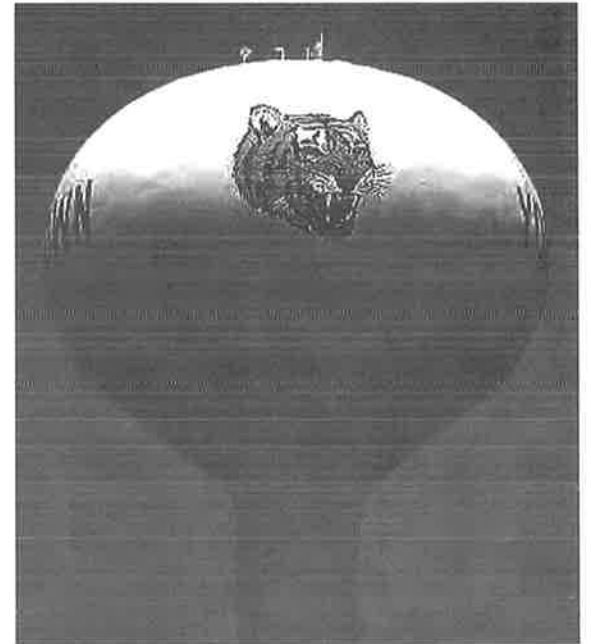
**MRDLG** - (Maximum Residual Disinfectant Level Goal) – The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

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Town of Yorktown  
Yorktown Municipal Water Works  
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# WATER

## Quality Report



## Town of Yorktown

Yorktown Municipal Water Works  
(PWSID)IN5218014

**Jan 1st-Dec 31st 2019**

We are pleased to present you with this year's Annual Drinking Water Quality Report. This report is designed to inform you about the quality of the water and services provided to you daily. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources.