



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
DRINKING WATER AND ENVIRONMENTAL HEALTH DIVISION

**CONSUMER CONFIDENCE REPORT FOR COMMUNITY WATER SUPPLY
CERTIFICATE OF DISTRIBUTION**

Issued under authority of the Safe Drinking Water Act, 1976 PA 399, and Administrative Rules, as amended.
Failure to submit certification is a violation of the Act and may subject the water supply to enforcement penalties.

Supply Name: <u>7230 - City of Yale</u>	County: <u>St Clair</u>	WSSN: <u>7230</u>
Population: <input type="checkbox"/> 500 or fewer people	<input checked="" type="checkbox"/> 501 - 9,999 people	<input type="checkbox"/> 10,000 or more people

Community water supplies must confirm that the Consumer Confidence Report (CCR) and any enclosed Public Notices (PN) or notices of CCR availability, have been distributed to customers by July 1 as required under administrative rules R 325.10415 and R 325.10404(4)(c). Supplies must also certify that the information contained in the CCR is correct and consistent with the compliance monitoring data previously submitted to the Michigan Department of Environment, Great Lakes, and Energy (EGLE). **Return the certification to the appropriate EGLE district office by October 1.** For addresses, visit Michigan.gov/CommunityWater, then click on District Offices Map and Contact Information.

Method of delivery to EGLE

Mail Email Hand Delivery Other published Date delivered: 6-22-2022

Method of delivery to Local Health Department

Mail Email Hand Delivery Other F&V Date delivered: _____

Method or combination of methods to directly deliver CCR to each bill paying customer. Check all that apply.

Mail or hand deliver a paper copy of CCR. Date(s) mailed or hand delivered: _____

Mail or hand deliver notification that the CCR is available at a direct URL. Date(s) delivered to customers: _____

Email notification that CCR is available at direct URL: Date(s) emailed: _____

Email notification that CCR is attached to the email. Date(s) emailed: _____

Email notification that CCR is embedded in the email. Date(s) emailed: _____

- If using notification of CCR availability:
1. Mail a paper CCR to customers who request it and to customers known to be incapable of receiving electronically.
 2. Include a copy of the notification to EGLE district office with this certification form.
 3. Explain the nature of the notification, prominently display the direct URL, include statement how to request a paper copy.

Example of Notification of CCR Availability Subject Line: 2018 Drinking Water Quality Report Available.
Message: Your annual report on the source and quality of your drinking water is available online at www.anytown.gov/waterqualityreport. To have a copy mailed to you, contact Anytown at 555-111-1111 or water@anytown.gov.

Option for supplies serving fewer than 10,000 persons: Publish entire report in newspaper, and notify customers via newspaper(s) in which CCR published, mail, email or hand delivery that individual copies will not be mailed, and include statement how to request a paper copy.
Date(s) of publication: _____

Option for supplies serving 500 or fewer persons: Notify customers via mail, email, hand delivery or, with EGLE approval, posting in public places, that a copy of the report is available from the water supply on request.
Date(s) of notification: _____

Post on Internet (required for supplies serving ≥100,000, optional for others)

Internet address: www.yalemi.us Date accessible: _____

"Good Faith" efforts to reach non-bill-paying consumers (in addition to the method(s) above). Check all that apply.

Mail the report to all postal patrons. Zip codes and dates mailed: _____

Mail to each service connection physical address. Date(s) mailed: _____

Advertise the availability of the report in the newspapers, on TV, and on the radio.

Publish the report in a local newspaper.

Post the report in public places such as cafeterias in public buildings, libraries, churches, and schools.

Deliver multiple copies for distribution by single-bill customers, e.g., apartments or private employers.

Deliver the report to community organizations.

Other: _____

Send to EGLE a copy of the news articles, a list of channels broadcast and dates, and a list of locations/organizations reports delivered to and dates.

A Tier 3 Public Notice is Distributed with this CCR

This CCR is being used to deliver a Tier 3 Public Notice for one or more violations. To use this Tier 3 delivery option, the CCR must be directly delivered to each bill paying customer or, with EGLE approval, continuously posted, and must be issued within 12 months of learning of the violation. A copy of this form must be delivered to the EGLE within ten days of delivering the CCR to customers to meet the public notification requirements.

Name/Title: Shannon Preister

Signature: Shannon Preister, Utility Biller Date: 6/24/22

2021 Water Quality Report for Yale

Water Supply Serial Number: 07230

This report covers the drinking water quality for Yale for the 2021 calendar year. This information is a snapshot of the quality of the water that we provided to you in 2021. Included are details about where your water comes from, what it contains, and how it compares to United States Environmental Protection Agency (U.S. EPA) and state standards.

Your water comes from three groundwater wells, each over 180 feet. There are no significant sources of contamination in our water supply. We are making efforts to protect our sources by participating in a Wellhead Protection Program.

If you would like to know more about this report, please contact: Jason Hart 810-387-3311.

Contaminants and their presence in 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 water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the U.S. EPA's Safe Drinking Water Hotline (800-426-4791).

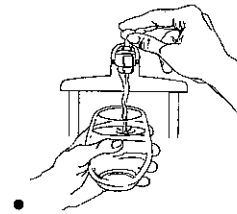
Vulnerability of sub-populations: Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune systems 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. U.S. EPA/Center for Disease Control guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

Sources of drinking water: The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. Our water comes from 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 from human activity.

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 stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming.
- **Pesticides and herbicides**, which may come from a variety of sources such as agriculture and residential uses.
- **Radioactive contaminants**, which can be naturally occurring or be the result of oil and gas production and mining activities.
- **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 stormwater runoff, and septic systems.



In order to ensure that tap water is safe to drink, the U.S. EPA prescribes regulations that limit the levels of certain contaminants in water provided by public water systems. Federal Food and Drug Administration regulations establish limits for contaminants in bottled water which provide the same protection for public health.

Water Quality Data

The table below lists all the drinking water contaminants that we detected during the 2021 calendar year. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done January 1 through December 31, 2021. The State allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. All the data is representative of the water quality, but some are more than one year old.

Terms and abbreviations used below:

- Maximum Contaminant Level Goal (MCLG): 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.
- Maximum Contaminant Level (MCL): 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.
- Maximum Residual Disinfectant Level (MRDL): 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.
- Maximum Residual Disinfectant Level Goal (MRDLG): 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.
- Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.
- N/A: Not applicable
- ND: not detectable at testing limit
- ppm: parts per million or milligrams per liter
- ppb: parts per billion or micrograms per liter
- ppt: parts per trillion or nanograms per liter
- pCi/l: picocuries per liter (a measure of radioactivity)
- Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

1 Monitoring Data for Regulated Contaminants

Regulated Contaminant	MCL, TT, or MRDL	MCLG or MRDLG	Level Detected	Range	Year Sampled	Violation Yes/No	Typical Source of Contaminant
Arsenic (ppb)	10	0	4	2-4	2021	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
Barium (ppm)	2	2	0.10	0.10-0.16	2020	No	Discharge of drilling wastes; Discharge of metal refineries; Erosion of natural deposits
Selenium	50	50	2	2-2	2020	No	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Nitrate	10	10	0.25	0.08-0.25	2021	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Fluoride (ppm)	4	4	0.88	0.39-0.88	2020	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Sodium ¹ (ppm)	N/A	N/A	180	15-180	2020	No	Erosion of natural deposits
TTHM Total Trihalomethanes (ppb)	80	N/A	20	8-20	2021	No	Byproduct of drinking water disinfection
HAA5 Haloacetic Acids (ppb)	60	N/A	15.6	3.8-15.6	2021	No	Byproduct of drinking water disinfection
Chlorine ² (ppm)	4	4	1.3	1.1-1.5	2021	No	Water additive used to control microbes
Alpha emitters (pCi/L)	15	0	0	N/A	2016	No	Erosion of natural deposits
Combined radium (pCi/L)	5	0	0.9	N/A	2016	No	Erosion of natural deposits
Inorganic Contaminant Subject to Action Levels (AL)	Action Level	MCLG	Your Water ³	Range of Results	Year Sampled	Number of Samples Above AL	Typical Source of Contaminant
Lead (ppb)	15	0	0	0-0	2019	0	Lead service lines, corrosion of household plumbing including fittings and fixtures; Erosion of natural deposits
Copper (ppm)	1.3	1.3	0.4	0-0.5	2019	0	Corrosion of household plumbing systems; Erosion of natural deposits

Information about lead: 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 components associated with service lines and home plumbing. Yale 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 have a lead service line it is recommended that you run your water for at least 5 minutes to flush water from both your home plumbing and the lead service line. 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>.

Infants and children who drink water containing lead could experience delays in their physical or mental development. Children could show slight deficits in attention span and learning abilities. Adults who drink this water over many years could develop kidney problems or high blood pressure.

Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could suffer liver or kidney damage. People with Wilson's Disease should consult their personal doctor.

Monitoring and Reporting to the Department of Environment, Great Lakes, and Energy (EGLE) Requirements: The State of Michigan and the U.S. EPA require us to test our water on a regular basis to ensure its safety. We met all the monitoring and reporting requirements for 2020.

We will update this report annually and will keep you informed of any problems that may occur throughout the year, as they happen. Copies are available at Yale City Hall. This report will not be sent to you.

We invite public participation in decisions that affect drinking water quality. For more information about your water, or the contents of this report, contact Jason Hart 810-387-3311. For more information about safe drinking water, visit the U.S. EPA at <http://www.epa.gov/safewater>.

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Reporting Requirements Not Met for the City of Yale

We are required to report the results of your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not your drinking water meets health standards. While we collected our monthly total coliform sample on time, we did not report the results to the Michigan Department of Environment, Great Lakes, and Energy (EGLE) by the January 10, 2022, deadline for the December 1 to December 31, 2021, compliance period.

What should I do?

There is nothing you need to do at this time. This is not an emergency. You do not need to boil water or use an alternative source of water at this time. The results of the sample were negative for bacteria. Even though public health was not impacted, as our customers, you have a right to know what happened and what we did to correct the situation.

What happened? What is being done?

While we collected the sample on time, we inadvertently missed reporting the sample results to EGLE by the required deadline. We are required to monitor total coliform by collecting two samples per month. We collected the required samples on December 15 and 29, 2021 but failed to report the result until January 26, 2022. We are making efforts to ensure this does not happen again. We have already returned to compliance.

For more information, please contact Jason Hart 810-387-3311

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

This notice is being sent to you by the City of Yale.

1. Sodium is not a regulated contaminant.
2. The chlorine "Level Detected" was calculated using a running annual average.
3. Ninety (90) percent of the samples collected were at or below the level reported for our water.