



# WATER QUALITY DATA TABLE

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. 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.

## regulated contaminants

Disinfectants and Disinfection By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Total Trihalomethanes (TTHm) *	8/20/2019	44.6	44.6	No goal for the total	80	ppb	N	By-product of drinking water chlorination.
Haloacetic Acids (HAA5) *	8/20/2019	9.5	9.5	No goal for the total	60	ppb	N	By-product of drinking water chlorination.

Not all sample results may have been used for calculating the Highest Level Detected because some results may be part of an evaluation to determine where compliance sampling should occur in the future

Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Barium	04/13/2017	0.055	<0.010-0.055	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride	04/13/2017	1.01	0.848-1.01	4	4.0	ppm	N	Erosion of natural deposits; water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Chlorine	2017	1.6	0.5-1.6	4	4	ppm	N	Water additive used to control microbes.
Sodium	04/13/2017	176	156-176	n/a	n/a	ppm	N	Runoff/ leaching from natural deposits.
Arsenic	04/13/2017	<3.0	<3.0	0	10	ppb	N	Erosion of natural deposits; Runoff from orchards; runoff from glass and electronics production waste.
Nitrate [Measured as Nitrogen]	04/08/2019	0.32	0 - 0.32	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Synthetic organic contaminants including pesticides and Herbicides	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination

## coliform bacteria

Maximum Contaminant Level Goal	Total Coliform Maximum Contaminant Level	Highest No. of Positive	Fecal Coliform or E. Coli Maximum Contaminant Level	Total No. of E. Coli or Fecal Coliform Samples	Violation	Likely Source of Contamination
0	1 Positive monthly sample	0		0	N	Naturally present in the environment

## lead and copper

**Definitions:**  
**Action Level Goal (ALG):** The level of a contaminant in drinking water below which there is no known or expected risk to health. ALGs allow for a margin of safety.  
**Action Level:** The concentration of contaminant which, if exceeded, triggers treatment or other requirements, which a water system must follow.  
 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. We are responsible for providing high quality drinking water, but we 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>.

Lead and Copper	Date Sampled	MCLG	Action Level	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	2017	1.3	1.3	0.14	0	ppm	N	Erosion of Natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	2017	0	0.015	0.0067	0	ppm	N	Corrosion of household plumbing systems; erosion of natural deposits

Unit Descriptions	
Term	Definition
ppm	ppm: parts per million, or milligrams per liter (mg/L)
ppb	ppb: parts per billion, or micrograms per liter (µg/L)
pCi/L	pCi/L: picocuries per liter (a measure of radioactivity)
NA	NA: not applicable
ND	ND: Not detected
NR	NR: Monitoring not required, but recommended.

## Important Drinking Water Definitions

Term	Definition
MCLG	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	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.
TT	TT: Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.
AL	AL: Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
Variations and Exemptions	Variations and Exemptions: State or EPA permission not to meet an MCL or a treatment technique under certain conditions.
MRDLG	MRDLG: Maximum residual disinfection 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.
MRDL	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.
MNR	MNR: Monitored Not Regulated
MPL	MPL: State Assigned Maximum Permissible Level

## Comparisons

**Think of one part per million as:**  
 1 inch in 16 miles  
 1 minute in 2 years  
 1 cent in \$10,000

**Think of one part per billion as:**  
 1 inch in 16,000 miles  
 1 second in 32 years  
 1 cent in \$10 million

## For more information please contact:

Thomas Selman  
 Address: 210 N. Public Sq., Angola, IN 46703  
 PH: 260-665-9363 • FX: 260-665-9164  
[tselman@angolain.org](mailto:tselman@angolain.org)

## STEPS OF OUR WATER TREATMENT

1. Aeration: This process is applied in which water is brought into contact with air for the purpose of changing the concentration of volatile substances contained in the water, which is useful in the improvement of taste and odor and for the oxidation of iron, manganese, hydrogen sulfide, and to a limited extent organic matter.
2. Filtration: Iron and manganese removal.
3. Water Hardness: The raw well water that we treat is supplied by ten wells that range from 18-31 gpg, being treated by the ion exchange water softeners, to an average of 5 gpg.
4. Ion Exchange Softening: The calcium and magnesium in the hard water are replaced by sodium from the exchanger.
5. Disinfection: A small amount of chlorine is added to kill any harmful bacteria or microorganisms that may be in the water.

6. Fluoridation: Fluoride is added to a recommended optimum concentration of 0.7 mg/l for the prevention of dental decay.

## FOR YOUR INFORMATION

How will I know if there is a problem with my water:  
 • If the amount of any substances exceeds the MCL limits, you would be notified through newspapers, radio, and/or other means with notification on what appropriate actions you can take to protect your family's health.

Water utility customers looking for a source of independent information on drinking water-related issues may access the NSF International web site @ [www.nsf.org](http://www.nsf.org) to include helpful information on water-related topics, such as

“Water Quality (CCR) Reports” and “Common Contaminates” and U.S. Environmental protection Agency's web site @ [www.epa.gov/wat/home/](http://www.epa.gov/wat/home/)

We encourage public interest and participation in our community's decisions affecting drinking water. Board of Works Meetings are held on the 1st Monday of the month at City Hall, 210 North Public Square at 6:30 p.m. The public is welcome.

**Angola Water Works PWSID #: 5276001 Member of:**

American Water Works Association (AWWA)  
 Alliance of Indiana Rural Water (AIRW)  
 Indiana Rural Water Association (IRWA)