

# 2022 WATER QUALITY REPORT FOR GARNER WATER WORKS

This report contains important information regarding the water quality in our water system. The source of our water is groundwater. Our water quality testing shows the following results:

CONTAMINANT	MCL - (MCLG)	Compliance		Date	Violation	Source
		Type	Value & (Range)			
Total Trihalomethanes (ppb) [TTHM]	80 (N/A)	LRAA	19.00 (19 - 19)	08/09/2022	No	By-products of drinking water chlorination
Total Haloacetic Acids (ppb) [HAA5]	60 (N/A)	LRAA	11 (11- 11)	08/09/2022	No	By-products of drinking water disinfection
Copper (ppm)	AL=1.3 (1.3)	90th	0.21(0.09-0.24)	07/06/2020	No	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
Lead (ppb)	AL=15 (0)	90th	15.00(ND-16) 1 sample exceeded AL	07/06/2020	No	Corrosion of household plumbing systems; erosion of natural deposits
<b>950 - DISTRIBUTION SYSTEM</b>						
Chlorine (ppm)	MRDL=4.0 (MRDLG=4.0)	RAA	0.6 (.09-3.5)	06/30/2022	No	Water additive used to control microbes
Fluoride (ppm)	4 (4)	RAA	0.80 (0.6060-.9255)	12/31/2022	No	Water additive which promotes strong teeth; Erosion of natural deposits; Discharge from fertilizer and aluminum factories
<b>03 - S/EP FOR WELLS #1, #2 &amp; #3-TREATED</b>						
Combined Radium (pCi/L)	5 (0)	SGL	1.3	11/04/2020	No	Erosion of natural deposits
Fluoride (ppm)	4 (4)	RAA	.76 (0.54-1.14)	12/31/2022	No	Water additive which promotes strong teeth; Erosion of natural deposits; Discharge from fertilizer and aluminum factories
Sodium (ppm)	N/A (N/A)	SGL	12	04/21/2021	No	Erosion of natural deposits; Added to water during treatment process
Nitrate (as N) ppm	10 (10)	SGL	0.1110	04/21/2022	No	Runoff from fertilizer use, leaching from septic tanks ,sewage ;erosion of natural deposits
Asbestos (MFL)	7	SGL	<3.9	03/21/18	No	Decay of asbestos cement mains; Erosion of natural deposits
Barium	2 (2)	SGL	.17	4/21/2021	No	Discharge of drilling waste; Discharge from metal refineries; Erosion of natural deposits

Note: Contaminants with dates indicate results from the most recent testing done in accordance with regulations.

## DEFINITIONS

- 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 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.
- ppb -- parts per billion.