2024 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)		Yes/No	
Total Trihalomethanes (ppb) [TTHM]	80 (N/A)	LRAA	3.00 (3-3)	08/13/24	No	By-products of drinking water chlorination
Total Haloacetic Acids (ppb) [HAA5]	60 (N/A)	LRAA	<.006 (0-ND)	08/13/24	No	By-products of drinking water disinfection
Copper (ppm)	AL=1.3 (1.3)	90th	0.17 (0.01-0.31)	8/08/23	No	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
Lead (ppb)	AL=15 (0)	90th	2.00 (ND-2)	8/08/23	No	Corrosion of household plumbing systems; erosion of natural deposits
950 - DISTRIBUTION SYSTEM						
Chlorine (ppm)	MRDL=4.0 (MRDLG=4.0)	RAA	08 (.07-1.99)	12/31/2024	No	Water additive used to control microbes
Fluoride (ppm)	4 (4)	RAA	0.70 (0.2981-.9890)	12/31/2024	No	Water additive which promotes strong teeth; Erosion of natural deposits; Discharge from fertilizer and aluminum factories
03 - S/EP FOR WELLS #1, #2 & #3-TREATED						
Combined Radium (pCi/L)	5 (0)	SGL	1.3	11/04/2020	No	Erosion of natural deposits
Fluoride (ppm)	4 (4)	RAA	.6321	07/16/2024	No	Water additive which promotes strong teeth; Erosion of natural deposits; Discharge from fertilizer and aluminum factories
Sodium (ppm)	N/A (N/A)	SGL	22	04/16/2024	No	Erosion of natural deposits; Added to water during treatment process
Nitrate (as N) ppm	10 (10)	SGL	<.0611 mg/L	04/16/2024	No	Runoff from fertilizer use, leaching from septic tanks ,sewage ;erosion of natural deposits
Gross Alpha, inc (pCi/L)	15 (0)	SGL	1.8	10/03/23	No	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.
- ppm -- parts per million.