

Hixson Utility District 2016 Water Quality Report

Contaminant	Violation Y/N	Level Found	Range of Detections	Date of Sample	MCLG	MCL	Typical Source of Contamination
Chlorine	N	1.4 ppm	0.8 to 1.4 ppm	2016	MRDLG= 4 ppm	MRDL= 4 ppm	Drinking Water disinfectant
Fluoride	N	0.665 ppm	0.548 to 0.665 ppm	2016	4 ppm	4 ppm	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
Total Coliform Bacteria (1) (3)	N	0	0	2016	0%	<5%	Naturally present in the environment
Turbidity (2)	N	0.58 NTU	0.1 to 1.5 NTU	2016	N/A	TT	Soil runoff
Lead	N	90th% =1.4 ppb	BDL to 1.6 ppb	2014	AL= 15 ppb	AL= 15 ppb	Corrosion of house hold plumbing; erosion of natural deposits
Copper	N	90th% =0.58 ppm	0.17 to 0.58 ppm	2014	AL= 1.3 ppm	AL= 1.3 ppm	Corrosion of house hold plumbing; erosion of natural deposits
Sodium	N	1.6 ppm	1.4 to 1.6 ppm	2015	N/A	N/A	Erosion of natural deposits; used in water treatment chemicals
TTHM (Total Trihalomethanes)	N	8.83 ppb	3.53 to 8.83 ppb	2016	N/A	80 ppb	By-product of drinking water chlorination
HAA5 (Total Halocetic Acids)	N	1.74 ppb	1.32 to 1.74 ppb	2016	N/A	60 ppb	By-product of drinking water chlorination
Nitrate	N	0.70 ppm	0.59 to 0.70 ppm	2015	10 ppm	10 ppm	runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Alpha Emitters	N	1.4 pCi/l	1.3 to 1.4 pCi/l	2014	0	15 pCi/l	Erosion of natural deposits
Combined Radium	N	0.96 pCi/l	BDL to 0.96 pCi/l	2014	0	5 pCi/l	Erosion of natural deposits

(1) Less than 5% can test positive with no backup samples testing positive

(2) Only 7 daily readings exceeded 1 NTU. All others were less than 1 NTU. No monthly averages exceeded 1 NTU.

(3) All 720 samples taken for year tested negative