

# 2016 Water Quality Data #1

## What does this chart mean?

- MCLG: Maximum Contaminant Level Goal, or the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLG's allow for a margin of safety.
- MCL: Maximum Contaminant Level, or the highest level a contaminant that is allowed in drinking water. MCL's are set as close to the MCLG's as feasible using the best available treatment technology.
- MRDLG: Maximum Disinfectant Residual Level Goal
- MRDL: Maximum Disinfectant Residual Level

Contaminant	EPA Limit (MCLG)	EPA Limit (MCL)	Level Found In M.U.D. Samples	Range of Detection	Violation Yes/No	Date Of Samples	Typical Source Of Contaminants
<b>Total Coliform Bacteria</b>	0	<5% Positive	0.0%	N/A	No	2016	Naturally present In the environment
<b>Turbidity (NTU)</b>	N/A	0.3	0.04	NTU 0.03-0.24	No	2016	Soil run off
<b>Copper* (ppm)</b>	1.3	AL 1.3	90 <sup>th</sup> =0.03 ppm	N/A	No	2015	Corrosion of household plumbing systems, erosion of natural deposits and leaching from wood preservatives
<b>Lead* (ppb)</b>	0	AL=15 ppb	90 <sup>th</sup> =<1.0 ppb	N/A	No	2015	Same as above & corrosion of natural deposits
<b>Sodium (ppm)</b>	N/A	N/A	5.3	N/A	No	2016	Discharge from petroleum & metal refineries, erosions of natural deposits, and discharge from mines
<b>Fluoride (ppm)</b>	4ppm	4ppm	0.70 AVG	0.30 - 1.20	No	2016	Water additive for strong teeth, corrosion of natural deposits
<b>Chlorine (ppm)</b>	MRDLG 4ppm	MRDL 4ppm	1.86 AVG	0.90 - 2.2	No	2016	Water additive used to control microbes
<b>Trihalomethanes (ppb)</b>	N/A	80	31	N/A	No	2016	Disinfection by-product
<b>Haloacetic Acids (ppb)</b>	N/A	60	39	N/A	No	2016	Disinfection by-product
<b>Total Organic Carbon**</b>	N/A	TT	1.4	1.2 - 1.8	No	2016	Naturally present in the environment

\*During the most recent round of lead and copper testing, 0 out of 20 sites sampled contained concentrations exceeding the action level. \*\* We met the treatment technique for total organic carbon. Compliance value achieved if value is  $\geq 1.0$ . Turbidity does not present risk to your health. We monitor turbidity, which is a measure of the cloudiness in drinking water, because it is a good indicator that our filtration system is functioning properly. Abbreviations: PPB: parts per billion or micrograms per liter. PPM: parts per million or milligrams per liter. N/A: not applicable. NTU: Nephelometric Turbidity Unit, used to measure cloudiness in drinking water. MFL: million fibers per liter, used to measure asbestos concentration. AL: Action level, or the concentration of a contaminant which, when exceeded, triggers treatment or other requirements which a water system must follow. TT: Treatment Technique, or a required process intended to reduce the level of a contaminant in drinking water. About the data: Most of the data in this table is from testing done between Jan. 1 and Dec. 31, 2016. We monitor for some contaminants less than once per year, and for these contaminants, the date of the last sample is shown in the table. \* BDL means Below Detection Limit.