

## WATER QUALITY DATA

The table below lists the EPA's regulated and unregulated contaminants detected in The City of New Buffalo's drinking water during 2018. Unless otherwise noted, the data presented is from January 1, 2018 to December 31, 2018.

Detected Substance (units)	Highest Level Detected	Range Of Detects	EPA's MCL	EPA's MCLG's	Violation Yes / No	Likely Sources of Substance
<b>Regulated Monitoring (Sampled At Water Treatment Plant)</b>						
*Turbidity (ntu)	0.12	0.04-0.12	0.3* or no sample above 1.00	N/A	No	Soil Runoff
Chlorine Residual - Free (ppm)	1.65	0.88-1.65	4.0	4.0	No	Water additive used to control microbes
Fluoride (ppm)	1	1.00 (Single Sample)	4.0	4.0	No	Water Additive Which Promotes Strong Teeth; Erosion of Natural Deposits
<b>Regulated Monitoring For Stage 2 Disinfection By-Product Rule ( Sampled In Water Distribution System )</b>						
Detected Substance (units)	Highest Running Annual Average	Range Of Detects	EPA'S MCL	EPA'S MCLG	Violation Yes / NO	Likely Source of Substance
THM (Total Trihalo-methanes) (ppb)	49	49 (Single Sample)	80.0	N/A	No	By-Product of Drinking Water Chlorination
HAA5 (Total Haloacetic Acids) (ppb)	21	21 (Single Sample)	60.0	N/A	No	By-Product of Drinking Water Chlorination
<b>Additional Regulated Monitoring ( Sampled In Water Distribution System )</b>						
Detected Substance (units)	Highest Running Annual Average	Range Of Detects	MRDL	MRDLG	Violation Yes / No	Likely Source of Substance
Total Chlorine Residual (ppm)	0.79	0.41-1.18	4.0	4.0	No	Water Additive Used For Disinfection

<b>Regulated Lead and Copper Monitoring (Sampled At Customer's Tap - 2018)</b>						
Detected Substance (units)	90 <sup>th</sup> Percentile Detected	Sites Found Above AL	EPA's AL	EPA's MCL G	Violation Yes / NO	Likely Source of Substance
** Copper (ppb)	80	0	1300	1300	No	Corrosion of Household Plumbing
** Lead (ppb)	5	0	15	0	No	Corrosion of Household Plumbing
<b>Special Unregulated Monitoring ( Sampled At Water Treatment Plant )</b>						
Detected Substance (units)	Highest Level Detected	Likely Source of Substance				
Sodium (ppm)	7	Erosion of Natural Deposits				
<b>Additional Unregulated Monitoring ( Sampled At Water Treatment Plant )</b>						
Detected Substance (units)	Highest Level Detected	Likely Source of Substance				
Hardness as CaCO <sub>3</sub> (ppm)	160	Erosion of Natural Deposits				
Sulfate (ppm)	25	Erosion of Natural Deposits				
PH (ph units)	7.6	Measurement of Acidity of Water				
Chloride (ppm)	14	Erosion of Natural Deposits				

Note 1: Definitions are on page number 5.

Note 2: The EPA requires monitoring over 80 drinking water contaminants. Those listed above are only those contaminants detected in your drinking water. For a complete list contact the Water Filtration Plant.