

Below list the EPA's regulated and unregulated contaminants detected in the City of New Buffalo's drinking water during 2016. Unless otherwise noted, the data presented is from January 1, 2016 to December 31, 2016.

Detected Substance (units)	Highest Level Detected	Range of Detects	Range of Detects	Range of Detects	Range of Detects	Range of Detects
Regulated Monitoring (Sample taken at Water Treatment Plant)						
Turbidity	0.15	.03-.15	.3-no sample over 1.00	N/A	No	Soil Runoff
Chlorine Residual/Free (ppm)	1.7	.96-1.70	4.0	4.0	No	Water additive to control microbes
Fluoride (ppm)	0.79	0.79 (single sample)	4.0	4.0	No	Water additive which promotes strong teeth; Erosion of Natural Deposits
Nitrate (ppm)	ND	ND	10.0	10.0	No	Erosion of Natural Deposits. Discharge of Drilling Waste and Metal Refineries
Regulated Monitoring (Sampled in Water Distribution System)						
TTHM (Total Trihalomethanes) (ppb)	47 (Highest Running Annual Average)	47 (Single Sample)	80.0	N/A	No	By-product of Drinking Water Chlorination
HAA5 (Total Haloacetic Acids) (ppb)	22 (Highest Running Annual Average)	22 (Single Sample)	60.0	N/A	No	By-product of Drinking Water Chlorination
Total Chlorine Residual	1.7 Highest Annual Running Average	.96-1.70	4 (MRDL)	4 (MRDLG)	No	Water Additive used for Disinfection
Unregulated Monitoring (Sampled at Water Treatment Plant)						
Sodium (ppm)	10.0					Erosion of Natural Deposits
Hardness as CaCO3 (ppm)	168.0					Erosion of Natural Deposits
Sulfate (ppm)	20.0					Erosion of Natural Deposits
PH (ph units)	7.6					Measurement of Acidity
Chloride (ppm)	14.0					Erosion of Natural Deposits
Lead and Copper Monitoring (Sampled at Customer's Tap - 2015)						
Detected Substance (units)	90th Percentile Detected	Sites Found Above AL	EPA's AL	EPA's MCLG's	Violation Yes/No	Likely Sources of Substance
**Copper (ppb)	140.0	0.0	1300.0	1300.0	No	Corrosion Household Plumbing
** Lead (ppb)	7.4	1.0	15.0	0.0	No	Corrosion Household Plumbing

Unregulated Contaminants, are those for which the EPA has not established drinking water standards. The purpose of this monitoring is to assist the EPA in determining the occurrence of unregulated contaminants in drinking water.

***Turbidity**-measurement of the cloudiness of the water. 100% of our samples met the required limits of less than or equal to 0.30 NTU in 95% of samples taken monthly and shall not exceed 1.0 NTU at any time.

** **Lead & Copper**- Per State requirement these contaminants are monitored less than once per year because these concentrations do not change frequently. Some of this data, though representative, may be more than one year old. Copper/Lead samples were collected on 6-3-15 through 6-10-15

90th Percentile- 90% of samples taken were below numbers listed, (Copper /140 ppb), (Lead/7.4 ppb)