

# Western System - PWSID NJ 0327001

# 2018 Data Table of Detected Contaminants

Regulated contaminants not listed in this table were not found in the treated water supply

## Regulated Substances

Parameter	Units	Compliance Achieved	MCLG	MCL	Highest Compliance Result	Range Detected	Typical Source
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## Inorganics

Barium (2017) <sup>5</sup>	ppm	Yes	2	2	0.1	ND to 0.1	Discharge of drilling watses; discharge from metal refineries; erosion of natural deposits
Nickel (2017) <sup>1,5</sup>	ppb	Yes	NA	NA	64	ND to 64	Erosion of natural deposits
Nitrate	ppm	Yes	10	10	1.49	ND to 1.49	Runoff from fertilizer use; industrial or domestic wastewater discharges; erosion of natural deposits

## Turbidity

Turbidity <sup>2</sup>	NTU	Yes	NA	TT = 1 NTU	0.08	0.04 to 0.08	Soil runoff
	%	Yes	NA	TT = % of samples <0.3 NTU	100%	NA	Soil runoff

## Treatment Byproducts Precursor Removal

Total Organic Carbon (TOC)	%	Yes	NA	TT ≥35% Removal	41% <sup>3</sup>	41% to 69%	Naturally present in the environment.
Ratio of Actual / Required TOC Removal	Ratio	Yes	NA	TT: Running Annual Average ≥ 1.0	1.16 <sup>3</sup>	1.16 to 1.96	Naturally present in the environment.

## Disinfectants

Chlorine (Surface Water)	ppm	Yes	NA	TT = ≥ 0.20	0.51 <sup>4</sup>	0.51 to 1.08	Water additive used to control microbes
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## Radiologicals

Alpha Emitters	pCi/L	Yes	0	15	3.78	4.61 to 4.8	Erosion of natural deposits
Combined Radium (226/228)	pCi/L	Yes	0	5	1.49	ND to 1.49	Erosion of natural deposits

## Footnotes

<sup>1</sup> Nickel monitoring is required. Currently there is no established MCL or MCLG

<sup>2</sup> 100% of the turbidity readings were below the treatment technique requirement of 0.3 NTU. Turbidity is a measure of the cloudiness of the water and a good indicator of water quality. High turbidity can hinder the effectiveness of disinfectants.

<sup>3</sup> Data represents the lowest removal of Total Organic Carbon (TOC)

<sup>4</sup> Data represents the lowest residual entering the distribution system from our surface water treatment plant

<sup>5</sup> The State of New Jersey allows us to monitor for certain contaminants less than once a year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data, though representative, are more than one year old.