



MDC

**Latest U.S. Health Environmental Protection Agency And/Or
Conn. State Health Dept. Standards vs. MDC Water
(Latest Analysis Averages for 2019)**

	Maximum Allowable Limits		MDC Water Analysis			
			Finished Water (Point of Entry)			
			North District		South District	
Aluminum	N/A	ppm ¹	0.001	ppm	<0.0005	ppm
Antimony	0.006	ppm	N.D.	ppm	N.D.	ppm
Arsenic	0.010	ppm	N.D.	ppm	N.D.	ppm
Barium	2.00	ppm	N.D.	ppm	N.D.	ppm
Bromide	N/A	ppm	ND	ppm	ND	ppm
Beryllium	0.003	ppm	ND	ppm	ND	ppm
Cadmium	0.001	ppm	N.D.	ppm	N.D.	ppm
Calcium	N/A	ppm	3.17	ppm	4.1	ppm
Chlorides	250.0 ³	ppm	7.02	ppm	9.05	ppm
Chlorate	N/A	ppm	0.094	ppm	0.082	ppm
Chromium	0.10	ppm	N.D.	ppm	N.D.	ppm
Copper	1.3	ppm	<0.004	ppm	<0.004	ppm
Cyanide	0.20	ppm	N.D.	ppm	N.D.	ppm
Fluoride	4.00	ppm	0.70	ppm	0.71	ppm
Iron	0.30 ³	ppm	<0.009	ppm	<0.009	ppm
Lead	0.015	ppm	N.D.	ppm	N.D.	ppm
Magnesium	N/A	ppm	0.92	ppm	1.3	ppm
Manganese	N/A	ppm	ND	ppm	N.D.	ppm
Mercury	0.002	ppm	N.D.	ppm	N.D.	ppm
Nickel	0.10	ppm	N.D.	ppm	N.D.	ppm
Orthophosphate	N/A	ppm	0.99	ppm	0.99	ppm
Potassium	NA	ppm	0.8	ppm	0.925	ppm
Selenium	0.05	ppm	N.D.	ppm	N.D.	ppm
Silver	0.05	ppm	N.D.	ppm	N.D.	ppm
Sodium	28.0	ppm	7.4	ppm	9.6	ppm
Sulfates	250 ³	ppm	7.1	ppm	5.8	ppm
Thallium	0.002	ppm	N.D.	ppm	N.D.	ppm
Nitrite (as N)	1.00	ppm	N.D.	ppm	N.D.	ppm
Nitrate + Nitrite (as N)	10.0	ppm	<0.001	ppm	0.07	ppm
Nitrate (as N)	10.0	ppm	<0.001	ppm	0.07	ppm
Herbicides and Pesticides: (2018 data)						
Toxaphene	3.0	ppb ¹	N.D. ¹		N.D.	
2,4D Methyl Ester	70.0	ppb	N.D.		N.D.	
Endrin	2.0	ppb	N.D.		N.D.	
Lindane	0.2	ppb	N.D.		N.D.	
Methoxychlor	40.0	ppb	N.D.		N.D.	
2,3,4-TP (Silvex)	50.0	ppb	N.D.		N.D.	
Special Analytes (2018 data)						
Gross Alpha Part	15.0	pci/L ¹	ND	pci/L	ND	pci/L
Gross Beta Part	50.0	pci/L	ND	pci/L	ND	pci/L
Radium226	5	pci/L	ND	pci/L	ND	pci/L
Radium228	No Standard	pci/L	ND	pci/L	ND	pci/L
Uranium	30	µg/L	ND	µg/L	ND	µg/L
Asbestos	7.0	MFL	<0.20	MFL	<0.20	MFL
Hardness (Distribution value)	No Standard	ppm	15.1	ppm	15.4	ppm
Physical Parameter – Point of Entry						
Chlorine	4.0	ppm	0.90	ppm	0.90	ppm
pH	6.4-10.0	Units	7.4		7.5	
Turbidity (CFE)	1.00	NTU ¹	0.03	NTU	0.06	NTU
Odor	2	Units	0		0	
Specific Conductance	No Standard	µmho@ 25 ⁰ C	65	µmho	78	µmho

Alkalinity	No Standard	ppm	7.5	ppm	14.7	ppm
Total Dissolved Solids	500 ³	ppm	63	ppm	55	ppm

Monthly Average in Distribution System

Coliform Bacteria ²	5.0 % Pos. /Month	0/100ml	< 0.5 %	<0.5 %
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Yearly Average Distribution – Compliance is based on a Location Running Annual Average for each of the individual 12 sample sites – value shown is the system average of all compliance sample sites

Total Trihalomethane	80.0	ppb	46.5
Haloacetic Acids	60.0	ppb	31.9

Abbreviations used - 1

ppm = Parts Per Million (Milligrams / Liter)

ppb = Parts Per Billion (Micrograms / Liter)

pci/L = Picocuries/Liter

µg/L = micrograms or ppb

² total coliform bacteria cannot be present in more than 5% of the coliform samples collected within the month – 2226 samples were collected in 2018 – 2160 samples required

3 – Secondary Standard – non enforceable

N.D. = None Detected

NTU = Nephelometric Turbidity Units

MFL = Million fiber per liter

CFE = Combined Filter Effluent