



MDC

**Latest U.S. Health Environmental Protection Agency And/OR
Conn. State Health Dept. Standards vs. MDC Water
(Latest Analysis 2014)**

| | Maximum Allowable Limits | | MDC Water Analysis | | | | |
|---|--------------------------|--------------------------|---------------------------------|-------|----------------|-------|--|
| | | | Finished Water (Point of Entry) | | | | |
| | | | North District | | South District | | |
| Antimony | 0.006 | ppm ¹ | N.D. | ppm | N.D. | ppm | |
| Arsenic | 0.010 | ppm | N.D. | ppm | N.D. | ppm | |
| Barium | 2.00 | ppm | 0.008 | ppm | 0.010 | ppm | |
| Beryllium | 0.004 | ppm | ND | ppm | ND | ppm | |
| Cadmium | 0.005 | ppm | N.D. | ppm | N.D. | ppm | |
| Calcium | NA | ppm | 4.13 | ppm | 3.64 | ppm | |
| Chlorides | 250.0 | ppm | 9.83 | ppm | 10.3 | ppm | |
| Chromium | 0.10 | ppm | N.D. | ppm | N.D. | ppm | |
| Copper | 1.3 | ppm | 0.004 | ppm | 0.009 | ppm | |
| Cyanide | 0.20 | ppm | N.D. | ppm | N.D. | ppm | |
| Fluoride | 4.00 | ppm | 0.87 | ppm | 0.90 | ppm | |
| Iron | 0.20 | ppm | 0.006 | ppm | 0.006 | ppm | |
| Lead | 0.015 | ppm | N.D. | ppm | N.D. | ppm | |
| Mercury | 0.002 | ppm | N.D. | ppm | N.D. | ppm | |
| Nickel | 0.10 | ppm | N.D. | ppm | N.D. | ppm | |
| Orthophosphates | N / A | ppm | 0.90 | ppm | 1.0 | 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 | 6.19 | ppm | 9.89 | ppm | |
| Sulfates | N / A | ppm | 7.52 | ppm | 4.58 | ppm | |
| Thallium | 0.002ppm | N.D. | ppm | N.D. | ppm | ppm | |
| Nitrite (as N) | 1.00 | ppm | N.D. | ppm | N.D. | ppm | |
| Nitrate + Nitrite (as N) | 10.0 | ppm | ND | ppm | 0.240 | ppm | |
| Nitrate (as N) | 10.0 | ppm | ND | ppm | 0.231 | ppm | |
| Herbicides and Pesticides: (2012 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 (2013 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 | |
| Physical Parameter – Point of Entry | | | | | | | |
| Chlorine | 4.0 | ppm | 0.88 | ppm | 0.9 | ppm | |
| pH | 6.4-8.5 | Units | 7.5 | | 7.6 | | |
| Turbidity | 1.00 | NTU ¹ | 0.06 | NTU | 0.08 | NTU | |
| Odor | 2 | Units | 0 | | 0 | | |
| Specific Conductance | No Standard | µHOS @ 25 ^o C | 60.1 | µHOS | 73 | µHOS | |
| Alkalinity | No Standard | ppm | 9.1 | ppm | 15.5 | ppm | |
| Monthly Average In Distribution | | | | | | | |
| Coliform Bacteria ² | 5.0% Pos. /Month | 0/100ml | < 0.5 % | | <0.5 % | | |
| Quarterly Average Distribution | | | | | | | |
| Total Trihalomethane | 80.0 | ppb | 45.7 | | | | |
| Haloacetic Acids | 60.0 | ppb | 31.6 | | | | |

¹Abbreviations used

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)

N.D. = None Detected

NTU = Nephelometric Turbidity Units

MFL = Million fiber per liter