



## 2024 FRANKLIN SYSTEM COMPREHENSIVE WATER ANALYSIS

<u>PARAMETER</u>	<u>YWC Sample</u>	<u>EPA/DEP DRINKING WATER STANDARDS</u>
<b>Primary Inorganics (Results in PPM)<sup>1</sup></b>		
Antimony	<0.000500	0.006
Arsenic	<0.000500	0.010
Asbestos	N.D.	< 7 MFL
Barium	0.0171	2.00
Beryllium	<0.000300	0.004
Cadmium	<0.0005	0.005
Chromium	<0.100	0.100
Cyanide (total)	<0.0100	0.200
Fluoride	<0.100	2.00
Lead (customer tap)	0.006 (90th percentile) <sup>+</sup>	0.015
Mercury	<0.0001	0.002
Nickel	<0.00139	0.100
Nitrate Nitrogen	0.6	10.0
Nitrite Nitrogen	N.D.	1.00
Total Nitrate & Nitrite	0.6	10.0
Selenium	<0.00300	0.050
Thallium	<0.000500	0.002
Turbidity	0.039	0.30
<b>Herbicides/Pesticides/SOC's (Results in PPM)<sup>1</sup></b>		
Alachlor	N.D.	0.002
Atrazine	N.D.	0.003
Benzo (a) Pyrene	N.D.	0.0002
Carbofuran	N.D.	0.040
Chlordane	N.D.	0.002
Dalapon	N.D.	0.20
Dibromochloropropane (DBCP)	N.D.	0.0002
Di (2-Ethylhexyl) Adipate	N.D.	0.40
Di (2-Ethylhexyl) Phthalate	N.D.	0.006
Dioxin	N.D.	0.00000003
Dinoseb	N.D.	0.007
Diquat	N.D.	0.02
Endothall	N.D.	0.10
Endrin	N.D.	0.002
Ethylene Dibromide (EDB)	N.D.	0.00005
Glyphosphate	N.D.	0.70
Heptachlor	N.D.	0.0004
Heptachlor Epoxide	N.D.	0.0002
Hexachlorobenzene	N.D.	0.001
Hexachlorocyclopentadiene	N.D.	0.05
Lindane	N.D.	0.0002
Methoxychlor	N.D.	0.04
Oxymal	N.D.	0.20
PCB's	N.D.	0.0005
Pentachlorophenol	N.D.	0.001
Piclorem	N.D.	0.50
Simazine	N.D.	0.004
Toxaphene	N.D.	0.003
2,4-D	N.D.	0.07
2,4,5TP (Silvex)	N.D.	0.05

<u>PARAMETER</u>	<u>SAMPLE</u>	<u>WATER STANDARDS</u>
<b>Haloacetic Acids (Results in PPB)<sup>4</sup></b>		
First Quarter 2023	17.7	60
Second Quarter 2023	12.14	60
Third Quarter 2023	14.01	60
Fourth Quarter 2023	19.01	60
<b>Total Trihalomethanes (Results in PPB)<sup>4</sup></b>		
First Quarter 2023	29.20	80
Second Quarter 2023	24.8	80
Third Quarter 2023	45.15	80
Fourth Quarter 2023	50.00	80
<b>Radiological Characteristics (Results in pCi/L)<sup>5</sup></b>		
Gross Alpha	0.5	<15.0
Radium-226	N.D.	<5.0
Radium-228	N.D.	<5.0
Uranium	N.D.	<30.0
<b>Microbiological (Results in units)<sup>3</sup></b>		
Coliform Bacteria (% of positive samples) <sup>3</sup>	< 0.1%	5.00%
Number of Acute Violations	0	0
<b>Regulated Volatile Organic Chemicals (Results in PPM)<sup>1</sup></b>		
Benzene	N.D.	0.005
Carbon Tetrachloride	N.D.	0.005
Chlorobenzene	N.D.	0.10
1,2-Dichloroethane	N.D.	0.005
o-Dichlorobenzene	N.D.	0.60
p-Dichlorobenzene	N.D.	0.075
1,1-Dichloroethylene	N.D.	0.007
cis-1,2-Dichloroethylene	N.D.	0.07
trans-1,2-Dichloroethylene	N.D.	0.10
Dichloromethane	0.0011	0.005
1,2-Dichloropropane	N.D.	0.005
Ethylbenzene	N.D.	0.70
Styrene	N.D.	0.10
Tetrachloroethylene	N.D.	0.005
Toluene	N.D.	1.0
1,2,4-Trichlorobenzene	N.D.	0.07
1,1,1-Trichloroethane	N.D.	0.20
1,1,2-Trichloroethane	N.D.	0.005
Trichloroethylene	N.D.	0.005
Vinyl Chloride	N.D.	0.002
Xylenes (Total)	N.D.	10.0

**PARAMETER**

**SAMPLE**

**WATER STANDARDS**

**Secondary Inorganics (Results in PPM)<sup>1</sup>**

Alkalinity	27	*
Copper (customer tap)	0.240 (90th percentile) <sup>4</sup>	1.3
Manganese	0.03	0.05
pH Value	7.88	6.5 - 8.5

> Greater than

< Less than

N.D. Not detected

\* No EPA/DEP Standard at present time

<sup>1</sup> Part per million = 1 milligram per liter

<sup>2</sup> Part per billion = 1 microgram per liter

<sup>3</sup> pCi/L = 1 picocurie per liter = 1-trillionth of a curie per liter

<sup>4</sup> Action level = 90% of tier 1 customer tap samples must meet the stated action levels for lead and copper.

- Lead Action Level at customer tap after minimum 6 hr. residence, 90<sup>th</sup> percentile sample >0.015 mg/L.

- Copper Action Level at customer tap after minimum 6 hr. residence, 90<sup>th</sup> percentile sample >1.300 mg/L.

<sup>5</sup> Based on 60 distribution tap samples collected during 2024. (DEP requires 60).