



## COMPREHENSIVE WATER ANALYSIS 2023

PARAMETER	YWC RESULTS	EPA/DEP DRINKING WATER STANDARDS
<b>Primary Inorganics (Results in PPM)<sup>1</sup></b>		
Antimony	<0.00200	0.006
Arsenic	<0.00300	0.010
Asbestos	N.D.	< 7 MFL
Barium	0.019	2.00
Beryllium	<0.00100	0.004
Cadmium	<0.00100	0.005
Chromium	0.0021	0.100
Cyanide (total)	<0.00400	0.200
Fluoride	<0.20	2.00
Lead (customer tap)	0.0020 (90th percentile) <sup>4</sup>	0.015
Mercury	<0.00020	0.002
Nickel	<0.0050	0.100
Nitrate Nitrogen	3.35	10.0
Nitrite Nitrogen	N.D.	1.00
Total Nitrate & Nitrite	3.35	10.0
Selenium	<0.0050	0.050
Thallium	<0.0010	0.002
Turbidity	0.070	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 (PAHs)	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
Dinoseb	N.D.	0.007
Dioxin (2,3,7,8-TCDD)	N.D.	0.00000003
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 (gamma BHC)	N.D.	0.0002
Methoxychlor	N.D.	0.04
Oxamyl (Vydate)	N.D.	0.20
PCBs (Polychlorinated biphenyls)	N.D.	0.0005
Pentachlorophenol	N.D.	0.001
Picloram	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

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<b>Haloacetic Acids (Results in PPB)<sup>2</sup></b>		
First Quarter 2023	24.87	60
Second Quarter 2023	28.56	60
Third Quarter 2023	21.44	60
Fourth Quarter 2023	12.40	60
<b>Total Trihalomethanes (Results in PPB)<sup>2</sup></b>		
First Quarter 2023	29.10	80
Second Quarter 2023	47.30	80
Third Quarter 2023	25.68	80
Fourth Quarter 2023	15.60	80
<b>Radiological Characteristics (Results in pCi/L)<sup>3</sup></b>		
Gross Alpha	N.D.	<15.0
Radium-226	N.D.	<5.0
Radium-228	N.D.	<5.0
Uranium (µg/L)	N.D.	<30.0
<b>Microbiological (Results in units)<sup>5</sup></b>		
Coliform Bacteria (% of positive samples) <sup>5</sup>	0%	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 (Methylene Chloride)	N.D.	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 (TCE)	N.D.	0.005
Vinyl Chloride	N.D.	0.002
Xylenes (Total)	N.D.	10.0

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<b>PARAMETER</b>	<b>YWC RESULTS</b>	<b>EPA/DEP DRINKING WATER STANDARDS</b>
<b>Secondary Inorganics (Results in PPM)<sup>1</sup></b>		
Alkalinity	52	*
Aluminum	N.D.	0.05 - 0.2
Calcium	24.6	*
Chloride	28.9	250
Conductivity	289.5	*
Color	0	15
Copper (customer tap)	0.047 (90th percentile) <sup>4</sup>	1.3
Copper (entry point) <sup>6</sup>	N.D.	1
Corrosivity	0.1	*
Hardness	85	*
Total Iron	0.041	0.3
Lead (entry point) <sup>6</sup>	N.D.	0.005
Magnesium	7.0	*
Manganese	0.019	0.05
Total Phosphorus	N.D.	*
pH Value	8.56	7.4 - 9.0
Silver	N.D.	0.1
Sodium	16.9	*
Sulfate	20.8	250
Foaming Agents (MBAS)	N.D.	0.5
Total Dissolved Solids	185.3	500
Zinc	N.D.	5
<b>Unregulated Contaminant Monitoring (Results in PPB)<sup>2</sup> UCMR Round #4, thru 3rd qtr. 2020</b>		
Entry Point		
Anatoxin-a	<0.0300	*
Cylindrospermopsin	<0.0900	*
Total Microcystin	<0.300	*
Manganese	2.82	50
Germanium	<0.1	*
Chlorpyrifos	<0.01	*
Total permethrin	<0.013	*
Alpha-hexachlorocyclohexane	<0.0033	*
Dimethipin	<0.067	*
Oxyfluorfen	<0.017	*
Profenofos	<0.1	*
Tebuconazole	<0.067	*
Tribufos	<0.023	*
Ethoprop	<0.01	*
Butylated hydroxyanisole	<0.01	*
o-toluidine	<0.0023	*
Quinoline	<0.0067	*
1-butanol	<0.67	*
2-methoxyethanol	<0.13	*
2-propen-1-ol	<0.17	*
Customer Tap		
HAA5	26.929	*
HAA6Br	5.501	*
HAA9	32.013	*
Raw Water (Result in PPM) <sup>1</sup>		
Bromide	0.0418	*
Total Organic Carbon	2.33	*

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### Notes

> Greater than

< Less than

N.D. Not present, or present in such low quantities the laboratory cannot detect it's presence

\* No EPA/DEP Standard at present time

<sup>1</sup> Part per million = 1 milligram per liter (mg/L)

<sup>2</sup> Part per billion = 1 microgram per liter (µg/L)

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

<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 1,444 distribution tap samples collected during 2023 (DEP requires 1,440)

<sup>6</sup> Entry Point = as water leaves plant after treatment and enters distribution system