

DUCK RIVER UTILITY COMMISSION

WATER QUALITY CHART

DRINKING WATER REGULATIONS AS OF JULY 1, 2020

DRINKING WATER STANDARD CATEGORY	ENVIRONMENTAL PROTECTION AGENCY STANDARDS (1)	DUCK RIVER UTILITY COMMISSION AVERAGE (2)	DRINKING WATER STANDARD CATEGORY	ENVIRONMENTAL PROTECTION AGENCY STANDARDS (1)	DUCK RIVER UTILITY COMMISSION AVERAGE (2)
PRIMARY STANDARDS			RADIONUCLIDES		
Turbidity	0.30	0.02	Gross Alpha - pCi/l	4.0	None Detected
Microbiological	95% Required Negative	100% Negative	Combined Radium - pCi/l	5.0	None Detected
INORGANIC CHEMICALS (mg/l)			SECONDARY STANDARDS (Aesthetic Standards Set By State of Tennessee) (mg/l)		
Arsenic	0.05	None Detected	Aluminum	0.20	None Detected
Antimony	0.006	None Detected	Chloride	250	7
Barium	1.00	0.03	Color	15	None Detected
Beryllium	0.004	None Detected	Copper	1.30	0.01
Cadmium	0.01	None Detected	Iron	0.30	None Detected
Chromium	0.05	None Detected	Manganese	0.05	None Detected
Cyanide	0.20	None Detected	MBAS (Foaming Agents)	0.50	None Detected
Fluoride	2.00	0.70 (3)	Odor	3	None Detected
Lead	0.05	None Detected	pH	6.5 - 8.5	7.2
Mercury	0.002	None Detected	Silver	0.10	None Detected
Nickel	0.10	None Detected	Sulfate	250	24
Nitrate	10.0	0.68	Total Dissolved Solids	500	85
Selenium	0.01	None Detected	Zinc	5.00	None Detected
Thallium	0.002	None Detected	ASBESTOS		
PRIMARY ORGANIC CHEMICALS (mg/l)			Asbestos Fibers / Liter	7,000,000	None Detected
Benzene	0.005	None Detected	ADDITIONAL TESTING (No Standards Set) (mg/l)		
Carbon Tetrachloride	0.005	None Detected			Seasonal Average
Dichloroethane	0.005	None Detected	Alkalinity	N/A	45.0
Dichloroethylene	0.007	None Detected	Calcium	N/A	28.6
Endrin	0.0002	None Detected	Chlorine	N/A	1.0
Haloacetic Acids - Total	0.060	0.020 (4)	Hardness (mg/l or ppm)	N/A	46.0
Lindane	0.004	None Detected	Hardness (grains)	N/A	2.7
Methoxychlor	0.100	None Detected	Magnesium	N/A	2.8
Paradichlorobenzene	0.075	None Detected	Sodium	N/A	4.9
Toxaphene	0.005	None Detected	Temperature(°C)-Spring	N/A	14
Trichloroethane	0.200	None Detected	Temperature(°C)-Summer	N/A	25
Trichloroethylene	0.005	None Detected	Temperature (°C)-Fall	N/A	14
Trihalomethanes-Total	0.080	0.030 (4)	Temperature (°C)-Winter	N/A	7
Vinyl Chloride	0.002	None Detected			
2, 4 - D	0.100	None Detected			

Other Organic Chemical Test Results Available - None of 95 others tested were detected.

(1) EPA Standards refer to maximum contaminant levels (mcl) and are given in milligrams per liter (parts per million) unless otherwise noted.

(2) DRUC results are based on tests performed by independent laboratories certified by the USEPA or State of Tennessee.

(3) Fluoride is added (for the prevention of tooth decay) to obtain an average concentration of 0.7 mg/l (0.7 ppm) per State of Tennessee regulations.

(4) Haloacetic Acids and Trihalomethanes are compounds formed as part of the disinfection process and are monitored regularly to minimize levels of these substances.

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UNREGULATED VOLATILE ORGANIC CHEMICALS			UNREGULATED VOLATILE ORGANIC CHEMICALS			ORGANIC CHEMICALS, PESTICIDES AND HERBICIDES		
STANDARD CATEGORY	EPA STANDARD ⁽¹⁾	DRUC AVERAGE ⁽²⁾	STANDARD CATEGORY	EPA STANDARD ⁽¹⁾	DRUC AVERAGE ⁽²⁾	STANDARD CATEGORY	EPA STANDARD ⁽¹⁾	DRUC AVERAGE ⁽²⁾
Bromobenzene	0.0005	None Detected	Styrene	0.0005	None Detected	PCB 1242	0.0003	None Detected
Bromochloromethane	0.0005	None Detected	1,1,1,2-Tetrachloroethane	0.0005	None Detected	PCB 1248	0.0001	None Detected
Bromodichloromethane	0.0018	None Detected	1,1,2,2-Tetrachloroethane	0.0005	None Detected	PCB 1254	0.0001	None Detected
Bromomethane	0.0005	None Detected	Tetrachloroethylene	0.0005	None Detected	PCB 1260	0.0002	None Detected
n-Butylbenzene	0.0005	None Detected	Toluene	0.0005	None Detected	Pentachlorophenol	0.001	None Detected
sec-Butylbenzene	0.0005	None Detected	1,2,3-Trichlorobenzene	0.0005	None Detected	Toxaphene	0.003	None Detected
tert-Butylbenzene	0.0005	None Detected	1,2,4-Trichlorobenzene	0.0005	None Detected	2,3,7,8-TCDD (Dioxin)	0.00000003	None Detected
Chlorobenzene	0.0005	None Detected	1,1,2-Trichloroethane	0.0005	None Detected	2,4,5-TP (Silvex)	0.05	None Detected
Chlorodibromomethane	0.0005	None Detected	1,2,3-Trichloropropane	0.0005	None Detected	Aldicarb	N/A	None Detected
Chloroethane	0.0005	None Detected	1,2,4-Trimethylbenzene	0.0005	None Detected	Aldicarb Sulfone	N/A	None Detected
Chloromethane	0.0005	None Detected	1,3,5-Trimethylbenzene	0.0005	None Detected	Aldicarb Sulfoxide	N/A	None Detected
o-Chlorotoluene	0.0005	None Detected	o-Xylene	0.0005	None Detected	Aldrin	N/A	None Detected
p-Chlorotoluene	0.0005	None Detected	m-Xylene	0.0005	None Detected	Butachlor	N/A	None Detected
Dibromomethane	0.0005	None Detected	p-Xylene	0.0005	None Detected	Carbaryl	N/A	None Detected
m-Dichlorobenzene	0.0005	None Detected				Dalapon	N/A	None Detected
o-Dichlorobenzene	0.0005	None Detected	MTBE	N/A	None Detected	Dicamba	N/A	None Detected
Dichlorodifluoromethane	0.0005	None Detected				Dieldrin	N/A	None Detected
1,1-Dichloroethane	0.0005	None Detected	ORGANIC CHEMICALS, PESTICIDES AND HERBICIDES			Dinoseb	N/A	None Detected
cis-1,2-Dichloroethylene	0.0005	None Detected	STANDARD	EPA	DRUC	Hexachlorobenzene	N/A	None Detected
trans-1,2-Dichloroethylen	0.0005	None Detected	CATEGORY	STANDARD(1)	AVERAGE (2)	3-Hydroxycarbofuran	N/A	None Detected
Dichloromethane	0.0005	None Detected	Alachlor	0.002	None Detected	Methomyl	N/A	None Detected
1,2-Dichloropropane	0.0005	None Detected	Atrazine	0.003	None Detected	Metolachlor	N/A	None Detected
1,3-Dichloropropane	0.0005	None Detected	Carbofuran	0.04	None Detected	Metribuzin	N/A	None Detected
2,2-Dichloropropane	0.0005	None Detected	Chlordane	0.002	None Detected	Oxamyl	N/A	None Detected
1,1-Dichloropropene	0.0005	None Detected	2,4-D	0.07	None Detected	Picloram	N/A	None Detected
1,3-Dichloropropene	0.0005	None Detected	Endrin	0.0002	None Detected	Propachlor	N/A	None Detected
Ethylbenzene	0.0005	None Detected	Heptachlor	0.0004	None Detected	Simazine	N/A	None Detected
Fluorotrichloromethane	0.0005	None Detected	Heptachlor epoxide	0.0002	None Detected	Benzo (a) pyrene	0.0002	None Detected
Hexachloro-1,3- butadiene	0.0005	None Detected	Lindane	0.0002	None Detected	Di (2-ethylhexyl) adipate	0.4	None Detected
Isopropyl benzene	0.0005	None Detected	Methoxychlor	0.04	None Detected	Di (2-ethylhexyl) phthalat	0.006	None Detected
p-Isopropyl toluene	0.0005	None Detected	PCB 1016	0.00008	None Detected	Endothall	0.1	None Detected
Naphthalene	0.0005	None Detected	PCB 1221	0.02	None Detected	Glyphosate	0.7	None Detected
n-Propyl benzene	0.0005	None Detected	PCB 1232	0.0005	None Detected	Hexachlorocyclopentadien	0.05	None Detected

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