



Duck River Utility Commission

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Water Quality Test Results

DRINKING WATER REGULATIONS AS OF JANUARY 1, 2003

STANDARD CATEGORY	EPA STANDARDS (1)	DRUC TEST RESULTS (2)
PRIMARY STANDARDS		
Turbidity (NTU)	0.30	0.034
Microbiological (CFU)	< 2 Positive	None Positive
INORGANIC CHEMICALS (mg/l)		
Arsenic	0.05	None Detected
Antimony	0.006	None Detected
Barium	2.00	0.02
Beryllium	0.004	None Detected
Cadmium	0.01	None Detected
Chromium	0.05	None Detected
Cyanide	0.20	None Detected
Fluoride	2.00	1.00 (3)
Lead	0.05	None Detected
Mercury	0.002	None Detected
Nickel	0.10	None Detected
Nitrate	10.0	0.24
Selenium	0.01	None Detected
Thallium	0.002	None Detected

PRIMARY ORGANIC CHEMICALS	(mg/l)	
Benzene	0.005	None Detected
CarbonTetrachloride	0.005	None Detected
Dichloroethane	0.005	None Detected
Dichloroethylene	0.007	None Detected
Endrin	0.0002	None Detected
Lindane	0.004	None Detected
Methoxychlor	0.100	None Detected
Paradichlorobenzene	0.075	None Detected
Toxaphene	0.005	None Detected
Trichloroethane	0.200	None Detected
Trichloroethylene	0.005	None Detected
Trihalomethanes-Total	0.100	0.027 (4)
Vinyl Chloride	0.002	None Detected
2, 4 - D	0.100	None Detected
2, 4, - TP (Silvex)	0.010	None Detected
RADIONUCLIDES		
Gross Alpha - pCi/l	4.0	None Detected
SECONDARY STANDARDS (mg/l)	(Aesthetic Standards Set)	By State of Tennessee)
Aluminum	0.20	None Detected
Chloride	250	12.8
Color	15	None Detected
Copper	1.00	None Detected
Iron	0.30	None Detected
Manganese	0.05	None Detected
MBAS (Foaming Agents)	0.50	None Detected
Odor	3	1
pH	6.5 - 8.5	7.2
Silver	0.10	None Detected
Sulfate	250	21
Total Disolved Solids	500	90

Zinc	5.00	None Detected
ASBESTOS		
Asbestos (Fibers / Liter)	7,000,000	None Detected
ADDITIONAL TESTING (mg/l) (No Standards Set)		
Alkalinity	N/A	55.0
Calcium	N/A	29.1
Chlorine	N/A	1.0
Hardness (mg/l or ppm)	N/A	50.0
Hardness (grains)	N/A	2.9
Magnesium	N/A	2.8
Sodium	N/A	7.3
Temperature(°C)-Spring	N/A	14
Temperature(°C)-Summer	N/A	21
Temperature (°C)-Fall	N/A	14
Temperature (°C)-Winter	N/A	7
UNREGULATED VOLATILE ORGANIC CHEMICALS (mg/l)		
Bromobenzene	0.0005	None Detected
Bromochloromethane	0.0005	None Detected
Bromodichloromethane	0.0018	None Detected
Bromomethane	0.0005	None Detected
n-Butylbenzene	0.0005	None Detected
sec-Butylbenzene	0.0005	None Detected
tert-Butylbenzene	0.0005	None Detected
Chlorobenzene	0.0005	None Detected
Chlorodibromomethane	0.0005	None Detected
Chloroethane	0.0005	None Detected
Chloromethane	0.0005	None Detected
o-Chlorotoluene	0.0005	None Detected
p-Chlorotoluene	0.0005	None Detected
Dibromomethane	0.0005	None Detected
m-Dichlorobenzene	0.0005	None Detected
o-Dichlorobenzene	0.0005	None Detected
Dichlorodifluoromethane	0.0005	None Detected

1,1-Dichloroethane	0.0005	None Detected
cis-1,2-Dichloroethylene	0.0005	None Detected
trans-1,2-Dichloroethylene	0.0005	None Detected
Dichloromethane	0.0005	None Detected
1,2-Dichloropropane	0.0005	None Detected
1,3-Dichloropropane	0.0005	None Detected
2,2-Dichloropropane	0.0005	None Detected
1,1-Dichloropropene	0.0005	None Detected
1,3-Dichloropropene	0.0005	None Detected
Ethylbenzene	0.0005	None Detected
Fluorotrichloromethane	0.0005	None Detected
Hexachloro-1,3- butadiene	0.0005	None Detected
Isopropylbenzene	0.0005	None Detected
p-Isopropyltoluene	0.0005	None Detected
Naphthalene	0.0005	None Detected
n-Propylbenzene	0.0005	None Detected
Styrene	0.0005	None Detected
1,1,1,2-Tetrachloroethane	0.0005	None Detected
1,1,2,2-Tetrachloroethane	0.0005	None Detected
Tetrachloroethylene	0.0005	None Detected
Toluene	0.0005	None Detected
1,2,3-Trichlorobenzene	0.0005	None Detected
1,2,4-Trichlorobenzene	0.0005	None Detected
1,1,2-Trichloroethane	0.0005	None Detected
1,2,3-Trichloropropane	0.0005	None Detected
1,2,4-Trimethylbenzene	0.0005	None Detected
1,3,5-Trimethylbenzene	0.0005	None Detected
o-Xylene	0.0005	None Detected
m-Xylene	0.0005	None Detected
p-Xylene	0.0005	None Detected
VOLATILE ORGANIC CHEMICALS, PESTICIDES AND HERBICIDES (mg/l)		
Alachlor	0.002	None Detected
Atrazine	0.003	None Detected

Carbofuran	0.04	None Detected
Chlordane	0.002	None Detected
2,4-D	0.07	None Detected
Endrin	0.0002	None Detected
Heptachlor	0.0004	None Detected
Heptachlor epoxide	0.0002	None Detected
Lindane	0.0002	None Detected
Methoxychlor	0.04	None Detected
PCB 1016	0.00008	None Detected
PCB 1221	0.02	None Detected
PCB 1232	0.0005	None Detected
PCB 1242	0.0003	None Detected
PCB 1248	0.0001	None Detected
PCB 1254	0.0001	None Detected
PCB 1260	0.0002	None Detected
Pentachlorophenol	0.001	None Detected
Toxaphene	0.003	None Detected
2,3,7,8-TCDD (Dioxin)	0.00000003	None Detected
2,4,5-TP (Silvex)	0.05	None Detected
Aldicarb	N/A	None Detected
Aldicarb Sulfone	N/A	None Detected
Aldicarb Sulfoxide	N/A	None Detected
Aldrin	N/A	None Detected
Butachlor	N/A	None Detected
Carbaryl	N/A	None Detected
Dalapon	N/A	None Detected
Dicamba	N/A	None Detected
Dieldrin	N/A	None Detected
Dinoseb	N/A	None Detected
Hexachlorobenzene	N/A	None Detected
3-Hydroxycarbofuran	N/A	None Detected
Methomyl	N/A	None Detected
Metolachlor	N/A	None Detected

Metribuzin	N/A	None Detected
Oxamyl	N/A	None Detected
Picloram	N/A	None Detected
Propachlor	N/A	None Detected
Simazine	N/A	None Detected
Benzo (a) pyrene	0.0002	None Detected
Di (2-ethylhexyl) adipate	0.4	None Detected
Di (2-ethylhexyl) phthalate	0.006	None Detected
Endothall	0.1	None Detected
Glyphosate	0.7	None Detected
Hexachlorocyclopentadiene	0.05	None Detected