2015 Water Quality Chart

The City of Independence Water Department performs over 50,000 tests each year before, during, and after treatment. In addition, further tests are conducted at independent, certified laboratories.

Regulated compounds listed below show the Federal Maximum Contaminant Level (MCL). Unregulated compounds show only the results of tests done on City of Independence water.

It is the City of Independence Water Department's pleasure to provide this information to our customers. If you have any questions about this chart, please call us at 816-325-7708.

Organic Compounds

There are a number of organic compounds that are of concern in drinking water. This group includes volatile organic compounds that vaporize easily and are called VOC's; pesticides and herbicides that run off or percolate through soil to groundwater supplies; and compounds that occur as a by-product when water is disinfected.

Organic Compounds Values in milligrams/liters		
Compound	**MCL**	**Independence Result**
Alachlor (Alanex)	0.002	ND
Atrazine	0.003	ND
Benzene	0.005	ND
Benzo (A) pyrene	0.0002	ND
Carbofuran (Furadan)	0.04	ND
Carbon Tetrachloride	0.005	ND
Chlordane	0.002	ND
Chlorobenzene	0.1	ND
2, 4-D	0.07	ND
Dalapon	0.2	ND
Di (2-Ethylhexyl) Adipate	0.4	ND
Di (2-Ethylhexyl) Phthalate	0.006	ND
1,2Dibromo-3-chloropropane (DBCP)	0.0002	ND
p-Dichlorobenzene	0.075	ND
o-Dichlorobenzene	0.6	ND
1, 2 -Dichloroethane	0.005	ND
1,1-Dichloroethylene	0.007	ND

cis-1, 2-Dichloroethylene	0.07	ND
Trans-1,2-Dichloroethylene	0.1	ND
Dichloromethane	0.005	ND
1,2-Dichloropropane	0.005	ND
Dinoseb	0.007	ND
Dioxin (2,3,7,8-TCDD)	0.00000003	ND
Diquat	0.02	ND
Endothall	0.1	ND
Endrin	0.002	ND
Ethybenzene	0.7	ND
Ethylene Dibromide (EDB)	0.00005	ND
Glyphosate (Rodeo, Roundup)	0.7	ND
Heptachlor	0.0004	ND
Heptachlor Epoxide	0.0002	ND
Hexachlorobenzene	0.001	ND
Hexachlorocyclopentadiene	0.05	ND
Lindane	0.0002	ND
Methoxychlor	0.04	ND
Oxamyl (Vydate)	0.2	ND
Pentachlorophenol	0.001	ND
Picloram	0.5	ND
PCBs (total)	0.0005	ND
Simazine	0.004	ND
Styrene	0.1	ND
Tetrachloroethylene	0.005	ND
Toluene	1	ND
Toxaphene	0.003	ND
2,4,5-TP (Silvex)	0.05	ND
1,2,4-Trichlorobenzene	0.07	ND
1,1,1-Trichloroethane	0.2	ND
1,1,2-Trichloroethane	0.005	ND
Trichloroethylene	0.005	ND
Vinyl Chloride	0.002	ND
Xylenes (total)	10	ND
MCL- Maximum Contaminant Levels **ND**- None detected above quantifiable limits of current analytical method		

Microbiological Quality

Bacteria and other harmful organisms are removed by physical processes and disinfection chemicals.

Microbiological Quality		
Compound	**MCL**	**Independence Result**
Cryptosporidia	TT	ND
Giardia Lambia	TT	ND
Total Coliform	less than 5% positive	0.00%
TT - Treatment Technique		

Disinfection Byproducts and Disinfectants		
Compound	**MCL**	**Independence Result**
Total Haloacetic Acids (HAA5)	60 ppb	ND
Total Trihalomethanes (TTHMs)	80 ppb	3.09 ppb
Chloramines	MRDL = 4 ppm	2.15 ppm
MRDL -Maximum Residual Disinfectant Level		

Radiological Quality

Radiological quality standards are set for specific compounds and for the total radioactive element content.

Radiological Quality Values in Picocuries/liter unless otherwise noted		
Compound	**MCL**	**Independence Result**
Gross Alpha	15	4
Gross Beta	50	3.8
Combined Radium (226 & 228)	5	ND
Radon 222	300	ND
Uranium (in micrograms/Liter)	30	ND

Inorganic Compounds

The Environmental Protection Agency sets standards for a number of chemical compounds that can affect our health.

Inorganic Compounds Values in milligrams/liters		
Compound	**MCL**	**Independence Result**
Antimony	0.006	ND
Arsenic	0.01	ND
Asbestos	7 million fibers/L	ND
Barium	2	0.049
Beryllium	0.004	ND
Cadmium	0.005	ND
Chromium	0.1	0.00125
Copper	1.3	ND
Cyanide	0.2	ND
Fluoride	4	0.23
Lead	0.015	ND
Mercury	0.002	ND
Nitrate + Nitrite (as N)	10	0.29
Selenium	0.05	ND
Thallium	0.002	ND

Additional Parameters

The Water Department tests additional substances to assess their presence in drinking water, including the following compounds.

Additional Parameters Values in milligrams/liters unless otherwise stated (ppm)	
Compound	**Independence Result**
Alkalinity	65
Aluminum	ND
Ammonia	0.2
Caffeine	ND
Calcium	14
Chloride	25
Hexavalent Chromium (dissolved)	0.83 ppb
Iron	ND
Magnesium	18
Manganese	ND
MTBE	ND
N-Nitrosodimethylamine (NDMA)	0.0013 ppb
Odor (T.O.N.)	1
Total Phosphate as P	0.086

pH (S.U.)	9.3 - 10.1
Perchlorate	ND
Potassium	6.1
Silica	19
Silver	ND
Sodium	49
Sulfate	140
Sulfide	ND
Surfactants	ND
Total Hardness	120 ppm (7 grains/gallon)
total Organic Carbon	1.9
Zinc	ND
S.U. - Standard Unit **T.O.N.**- Threshold Odor Number	

Additional Definitions

EPA- United States Environmental Protection Agency.

MDNR- Missouri Department of Natural Resources.

MCL- Maximum Contaminant Level. The highest level of a contaminant that is allowed in drinking water.