2012 City of Fort Collins Drinking Water Quality Summary

The U.S. Environmental Protection Agency regulates many chemicals, which have the potential to occur in Drinking Water. The following table lists those chemicals analyzed by the Water Quality Laboratory that our customers have indicated they are interested in.

Constituent	Units[1]	Entry Point to Distribution System[2]	Distribution System Average[3]	EPA Maximum Contaminant Limit[4]
Primary Standards - *these standards protect drinking water quality by limiting the level of specific chemicals that can adversely affect health.*				
Antimony	µg/L	<1.0	<1.0	6
Arsenic	µg/L	<1.0	<1.0	50
Barium	µg/L	17	16.5	2000
Beryllium	µg/L	<1.0	<1.0	4
Cadmium	µg/L	<1.0	<1.0	5
Chromium	µg/L	<1.0	<1.0	100
Copper	µg/L	<1.0	17	[1300][6]
Fluoride	mg/L	0.87	0.87	4
Lead	µg/L	<1.0	<1.0	[15]
Mercury	µg/L	<0.2	<0.2	2
Nitrate as Nitrogen	µg/L	<0.04	Not tested	10
Nitrite as Nitrogen	mg/L	<0.04	Not tested	1
Selenium	µg/L	<5.0	<5.0	50
Thallium	µg/L	<1.0	<1.0	2
Total coliforms	cfu/100mL	0	0	<1
Total Trihalomethane	µg/L	18	29	80
Secondary Standards - *these standards are non-enforceable guidelines regulating contaminants that may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects such as color*				
Aluminum	µg/L	43	34	50 - 200
Chloride	mg/L	2.9	Not tested	250
Copper	µg/L	<1.0	23.6	1000
Iron	µg/L	15.3	16.3	300
Manganese	µg/L	<1.0	1.3	50
pH	Units	7.9	8.0	6.5 -8.5
Silver	µg/L	<1.0	<1.0	100
Sulfate	mg/L	12.6	Not tested	250
Turbidity	NTU	0.24	0.15	1
Zinc	µg/L	<10	<100	5000
Chemicals and tests not regulated by EPA - *these are tests that provide information on the treatment process and on qualities of general interest such as water hardness.*				
Alkalinity	mg/L	36.4	37.1	No Limit
Ammonia as N	mg/L	<0.02	Not tested	"
Calcium	mg/L	17.3	Not tested	"
Free Chlorine Residual	mg/L	0.78	0.48	"
Hardness as Calcium carbonate	mg/L	51	50	"
Hardness as Calcium carbonate	grains/gal	2.8	2.8	"
Magnesium	mg/L	1.6	Not tested	"
Nickel	µg/L	<2.0	<2.0	"
Potassium	mg/L	0.7	Not tested	"
Sodium	mg/L	2.8	3.1	"

Notes:

1 – Units mg/L = milligrams per liter or parts per million
µg/L = microgram per liter or part per billion
cfu = colony forming units

NTU = Nephlometric units
[ ] Action Limit
< = less than

2 - "2011 Average Entry to Distribution" - These are yearly average values for the water leaving the Water Treatment plant as it enters the network of supply pipes that deliver water to our customers.

3 - "2011 Distribution System Average" - These values are yearly averages of test results from five sites around the city. Values do not change significantly through the year.

4 - For **Primary Standards** the maximum contaminant level is the maximum safe level of a chemical that is legally allowed in the water supply.

5 - For **Secondary Standards** the maximum contaminant level is the recommended limit of a chemical that should occur in the water.

6 - **Action Limit** - Copper and Lead do not have a maximum contaminant level, they have an Action Limit. If the 90th percentile of samples collected for lead and copper exceeds the action limit the water supplier must take action to reduce the level of lead and copper occurring in the distribution system.