	Federal Drinking Water Standards	Wilsonville Drinking Water
Microbial Contaminants:		
Total Coliform Bacteria	less than 5% of monthly samples	ND
Fecal Coliform Bacteria	less than 20 colonies per 100 ml	ND
Giardia	99.9% inactivation	ND
Cryptosporidium	based on treatment technique	ND
Turbidity	0.3 turbidity units	0.03 to 0.09 turbidity units
Nutrients (expressed in parts per ***million***):		
Nitrate + Nitrite	10	0.2 to 0.8
Inorganic Chemicals (expressed in parts per ***billion***):		
Antimony	6	ND
Arsenic	50	ND
Barium	2000	4 to 5
Beryllium	4	ND
Cadmium	5	ND
Chromium	100	ND
Cyanide	200	ND
Fluoride	4000	ND to 350*
Mercury	2	ND
Selenium	50	ND
Thallium	2	ND
*** Naturally occurring (none added to water)**		
Copper ♦	action level = 1300	70
Lead ♦	action level = 15	2

♦ Per drinking water reporting requirements, copper and lead results are measured at the customers' tap and are expressed in terms of 90th percentile values.

In reading this table, it is helpful to note that:

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	Federal Drinking Water Standards	Wilsonville Drinking Water
Disinfection Byproducts (expressed in parts per ***billion***):		
Bromate	10	ND
Total Trihalomethanes	80	7 to 37
Total Haloacetic Acids	60	2 to 8
Radionuclides (expressed in picocuries per liter)		
Gross alpha particles	15	1.2
Gross beta particles	50	5.0
Radium 226/228	5	0.9
Uranium	30	0.01
Volatile Organic Chemicals (expressed in parts per ***billion***):		
1,1-Dichloroethylene	7	ND
1,1,1-Trichloroethane	200	ND
1,1,2-Trichloroethane	5	ND
1,2-Dichloroethane	5	ND
1,2-Dichloropropane	5	ND
1,2,4-Trichlorobenzene	70	ND
Benzene	5	ND
Carbon Tetrachloride	5	ND
c*is*-1,2-Dichloroethylene	70	ND
Dichloromethane	5	ND
Ethylbenzene	700	ND
Monochlorobenzene	100	ND
o-Dichlorobenzene	600	ND
p-Dichlorobenzene	75	ND
Styrene	100	ND
Tetrachloroethylene	5	ND
Toluene	1000	ND

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	Federal Drinking Water Standards	Wilsonville Drinking Water
Volatile Organic Chemicals continued (expressed in parts per ***billion***):		
t*rans*-1,2-Dichloroethylene	100	ND
Trichloroethylene	5	ND
Vinyl Chloride	2	ND
Xylenes (total)	10,000	ND
Synthetic Organic Chemicals (expressed in parts per ***billion***):		
2,4-D	70	ND
2,4,5-TP (Sylvex)	50	ND
Bis(2-ethylhexyl)adipate	400	ND
Alachlor	2	ND
Atrazine	3	ND
Benzo(a)pyrene	0.2	ND
Carbofuran	40	ND
Chlordane	2	ND
Dalapon	200	ND
Dibromochloropropane	0.2	ND
Dinoseb	7	ND
Dioxin (2,3,7,8-TCDD)	0.00003	ND
Diquat	20	ND
Endothall	100	ND
Endrin	2	ND
Ethylene Dibromide	0.05	ND
Glyphosate	700	ND
Heptachlor	0.4	ND
Heptachlor epoxide	0.2	ND
Hexachlorobenzene	1	ND
Hexachlorocyclopentadiene	50	ND

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	Federal Drinking Water Standards	Wilsonville Drinking Water
Synthetic Organic Chemicals continued (expressed in parts per ***billion***):		
Lindane	0.2	ND
Methoxychlor	40	ND
Pentachlorophenol	1	ND
Bis(2-ethylhexyl)phthalate	6	ND
Picloram	500	ND
PCBs	0.5	ND
Simazine	4	ND
Toxaphene	3	ND
Vydate (Oxamyl)	200	ND

Unregulated Contaminant Monitoring Rule Chemicals (measured in parts per ***billion***):		
2,4-Dinitrotoluene	⊕	ND
2,6-Dinitrotoluene	⊕	ND
Acetochlor	⊕	ND
DCPA	⊕	ND
4,4'-DDE	⊕	ND
EPTC	⊕	ND
Molinate	⊕	ND
MTBE	⊕	ND
Nitrobenzene	⊕	ND
Perchlorate	⊕	ND
Terbacil	⊕	ND

⊕ EPA requires monitoring of these chemicals, but there are no drinking water standards for these chemicals.

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Unregulated Volatile Organic Chemicals (expressed in parts per ***billion***):		
1,1-Dichloroethane	n/a	ND
1,1-Dichloropropene	n/a	ND
1,1,1,2-Tetrachloroethane	n/a	ND
1,1,2,2-Tetrachloroethane	n/a	ND
1,3-Dichloropropane	n/a	ND
cis-1,3-Dichloropropene	n/a	ND
trans-1,3-Dichloropropene	n/a	ND
2,2-Dichloropropane	n/a	ND
Bromobenzene	n/a	ND
Bromomethane	n/a	ND
Chloroethane	n/a	ND
Chloromethane	n/a	ND
Dibromomethane	n/a	ND
m-Dichlorobenzene	n/a	ND
o-Chlorotoluene	n/a	ND
p-Chlorotoluene	n/a	ND

Unregulated Synthetic Organic Chemicals (expressed in parts per ***billion***):		
1,2,3-Trichloropropane	n/a	ND
3-Hydroxycarbofuran	n/a	ND
Aldicarb	n/a	ND
Aldicarb sulfone	n/a	ND
Aldicarb sulfoxide	n/a	ND
Aldrin	n/a	ND

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	Federal Drinking Water Standards	Wilsonville Drinking Water
Unregulated Synthetic Organic Chemicals continued (expressed in parts per ***billion***):		
Butachlor	n/a	ND
Carbaryl	n/a	ND
Dicamba	n/a	ND
Dieldrin	n/a	ND
Methomyl	n/a	ND
Metolachlor	n/a	ND
Metribuzin	n/a	ND
Propachlor	n/a	ND

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Source: City of Wilsonville Public Works Department **Date:** December 31, 2004
Jeff Bauman, Public Works Director (503) 570-1542

For more information on the City of Wilsonville's water treatment process, visit the City's website at: http://www.ci.wilsonville.or.us/departments/pw/water/wrwtp.htm