

2008 ANNUAL ANALYSIS OF CEDAR & TOLT WATER SUPPLIES

Distribution Water Quality *(unless otherwise noted)*
 Samples Collected: June 3, 2008 *(unless otherwise noted)*

Cedar Distribution = South of the ship canal & lower elevations North of ship canal.

Tolt Distribution = Higher elevations North of the ship canal.

Water Quality Parameter	State Dept. of Health Maximum Contaminant Level	CEDAR	TOLT	Minimum Reporting Level
Primary Standards *	MCL			
Antimony	6 ug/L	ND	ND	1.0
Arsenic	10 ug/L	ND	ND	0.5
Asbestos \$	7 million fibers/L (>10um long)	ND (1995)	ND (1995)	0.2
Barium	2000 ug/L	2.1	2.0	0.2
Beryllium	4 ug/L	ND	ND	0.2
Bromate #	10 ug/L	ND (6/04/08)	0.8 (6/10/08)	0.5
Cadmium	5 ug/L	ND	ND	0.5
Chromium	100 ug/L	ND	ND	0.5
Cyanide	200 ug/L	ND	ND	10
Fluoride	4 mg/L	1.00	1.07	0.10
Haloacetic Acids(5), Total ~	60 ug/L	17	32	1.0
Mercury	2 ug/L	ND	ND	0.2
Nickel	100 ug/L	ND	ND	0.5
Nitrate-Nitrogen	10 mg/L	ND	0.136	0.01
Nitrite-Nitrogen	1 mg/L	ND	ND	0.002
Selenium	50 ug/L	ND	ND	0.5
Thallium	2 ug/L	ND	ND	0.2
Trihalomethanes, Total~	80 ug/L	26	41	0.5
Turbidity #	5 NTU for Cedar/ 0.30 NTU for Tolt	0.32	0.21	0.05
Secondary Standards **	SMCL			
Aluminum	50 - 200 ug/L	9.3	31	1.0
Chloride	250 mg/L	5.0	3.0	0.5
Color	15 std. units	ND	ND	5.0
Fluoride	2 mg/L	1.00	1.07	0.10
Iron	300 ug/L	75	49	6
Manganese	50 ug/L	3.8	0.9	0.5
pH, range ++	6.5 - 8.5 pH units	7.94 - 8.41	8.27 - 8.72	NA
Silver	100 ug/L	ND	ND	0.5
Solids, Total Dissolved	500 mg/L	61.5	41.0	5.0
Specific Conductance	700 umhos/cm	102	64.4	5.0
Sulfate	250 mg/L	1.1	1.5	1.0
Zinc	5000 ug/L	0.6	ND	0.5
Other Parameters	Units			
Alkalinity, Total (as CaCO ₃)	mg/L	30.6	19.0	2.0
Bromide	ug/L	ND	ND	5
Calcium, (as CaCO ₃)	mg/L	28.0	26.5	2.0
Copper, Source water	ug/L	1.7	0.8	0.5
Hardness, (as CaCO ₃)	mg/L	39.7	28.0	2.0
Hardness, (as CaCO ₃)	grains/gal.	2.29	1.62	0.1
Lead, Source water	ug/L	ND	ND	0.5
Magnesium	mg/L	2.87	0.37	0.01
Oxygen, Dissolved	mg/L	11.5	16.9	0.5
Phosphate, soluble-reactive	ug/L	15	3	2
Potassium	mg/L	0.50	0.12	0.02
Silica, Reactive	mg/L	9.7	5.8	1.0
Sodium	mg/L	4.63	1.04	0.08
Temperature, normal annual range	deg. C.	4 - 25	4 - 25	NA
Total Organic Carbon #	mg/L	1.13	0.90	0.20
Residential Survey @	Action Level	Combined System		
2007 Lead Reduced Monitoring	15 ug/L	6.0		1.0
2007 Copper Reduced Monitoring	1300 ug/L	140		1.0

Primary and Secondary Standards were measured at the Intake to the distribution system after treatment.

* Health stds.: Supplier subject to public notification.

++ January-June 2008, 10-90th percentile

** Aesthetic stds.: Supplier not subject to public notification.

\$ Test results 12/15/95 - To be analyzed in 2009.

~ Average of the last 4 quarters testing, through 6/08.

As measured at treatment plant.

ND = Not Detected at or above the Minimum Reporting Level

1 ppm = 1 mg/L = 1000 ug/L

@ Measured at 90th percentile of overnight standing residential samples from homes with copper pipes and lead solder.

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http://www.seattle.gov/util/About_SPU/Water_System/Water_Quality/index.asp