

LAKEHAVEN UTILITY DISTRICT "SECONDARY" INORGANIC CHEMICAL ANALYSIS

2007 WATER QUALITY ANALYSIS REPORT (INCLUDING GROUND WATER & TACOMA GREEN RIVER/SSP)

- The following chemicals are not considered to pose risks to human health.
- Except when noted, concentrations are expressed in parts per million (ppm)
- The values presented here are based upon **treated water** and a flow weighted average from various sources supplying the distribution system during **2006-2007** and may not represent the quality of water a customer may have at the tap due to treatment and the location and blending of water within the system.
- Concentrations above the maximum contaminant level (MCL) may impair the taste, odor and/ or clarity of drinking water, but are allowed by the Washington State Department of Health (DOH).

CHEMICAL	MAXIMUM CONTAMINANT LEVEL (ppm)	HIGHEST AMOUNT DETECTED (ppm)	FLOW WEIGHTED AVERAGE CONCENTRATION (ppm)
ENVIRONMENTAL PROTECTION AGENCY (EPA) REGULATED:			
Iron	0.3	0.31	0.11
Manganese	0.05	0.11	0.02
Silver	0.1	0.0	0.0
Chloride	250	10.0	3.4
Sulfate	250	36.0	9.1
Zinc	5	<0.02	0.00
STATE REGULATED (Secondary):			
Sodium	20 ⁽¹⁾	19	6
Hardness	"None"	185	76
Conductivity	700 umhos/cm	345 umhos/cm	162 umhos/cm
Turbidity	5 NTU ⁽²⁾	3.9 NTU ⁽²⁾	0.97 NTU ⁽²⁾
Color	15 CU ⁽³⁾	12.5 CU ⁽³⁾	4.1 CU ⁽³⁾
Total Dissolved Solids	500	207	100
STATE UNREGULATED (Secondary):			
Lead	15 ppb ⁽⁴⁾	0.0	0
Copper	1.3	0.0	0
OTHER UNREGULATED CHEMICAL ANALYSIS (Secondary):			
Alkalinity	"None"	128	73
Calcium	"None"	180	38.7
PH	6.5 – 8.5 ⁽⁵⁾	8.5	7.2
Temperature	"None"	62.2 °F	54.7°F
Total Organic Carbon	2.0	1.3	0.3

(1) Recommended limit per American Heart Association

(2) NTU = Nephelometric Turbidity Unit

(3) CU = color Units

(4) Action Level reported in ppb (parts per billion). Samples were collected at the source.

(5) Appropriate range for drinking water. (No EPA MCL)