

# LAKEHAVEN UTILITY DISTRICT "SECONDARY" INORGANIC CHEMICAL ANALYSIS

## 2010 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 **2010** and may not represent the quality of water a customer may have at the tap due to 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)
<b>ENVIRONMENTAL PROTECTION AGENCY (EPA) REGULATED:</b>			
Iron	0.3	<0.1	0.00
Manganese	0.05	0.05	0.02
Silver	0.1	<0.01	<0.01
Chloride	250	8.0	3.9
Sulfate	250	19	6.8
Zinc	5	<0.02	<0.02
<b>STATE REGULATED (Secondary):</b>			
Sodium	20 <sup>(1)</sup>	19	8
Hardness	"None"	132	79
Conductivity	700 umhos/cm	244 umhos/cm	159 umhos/cm
Turbidity	5 NTU <sup>(2)</sup>	1.62 NTU <sup>(2)</sup>	0.62 NTU <sup>(2)</sup>
Color	15 CU <sup>(3)</sup>	10 CU <sup>(3)</sup>	0.8 CU <sup>(3)</sup>
Total Dissolved Solids	500	312	118
<b>STATE UNREGULATED (Secondary):</b>			
	(Action Level)		(90 <sup>th</sup> Percentile)
Lead	15 ppb <sup>(4)</sup>	14 ppb <sup>(4)</sup>	5 ppb <sup>(4)</sup>
Copper	1.3	1.2	0.36
<b>OTHER UNREGULATED CHEMICAL ANALYSIS (Secondary):</b>			
Alkalinity	"None"	138	76
Calcium	"None"	70	35
PH	6.5 – 8.5 <sup>(5)</sup>	7.01 – 8.3	7.3
Temperature	"None"	54 °F	53 °F
Total Organic Carbon	2	1.0	0.5

(1) Recommended limit per American Heart Association

(2) NTU = Nephelometric Turbidity Unit

(3) CU = color Units

(4) Lead Action Level reported in (parts per billion). Samples are collected at customer tap. Average is 90<sup>th</sup> Percentile/total samples.

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