

# LAKEHAVEN UTILITY DISTRICT "SECONDARY" INORGANIC CHEMICAL ANALYSIS

## 2016 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 **2016** 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)
ENVIRONMENTAL PROTECTION AGENCY (EPA) REGULATED:			
Iron	0.3	0.2	0.01
Manganese	0.05	0.07	0.01
Silver	0.1	Not Detected	Not Detected
Chloride	250	7	0.11
Sulfate	250	7	0.10
Zinc	5	Not Detected	Not Detected
STATE REGULATED (Secondary):			
Sodium	20 <sup>(1)</sup>	22	9
Hardness	"None"	150	31.6
Conductivity	700 umhos/cm	300 umhos/cm	128 umhos/cm
Turbidity	5 NTU <sup>(2)</sup>	.89 NTU <sup>(2)</sup>	0.7 NTU <sup>(2)</sup>
Color	15 CU <sup>(3)</sup>	Not Detected	Not Detected
Total Dissolved Solids	500	180	32.5
STATE UNREGULATED (Secondary):			
	(Action Level)	(90 <sup>th</sup> Percentile)	
Lead	15 ppb <sup>(4)</sup>	2.1 ppb <sup>(4)</sup>	Not Detected
Copper	1.3	Not Detected	Not Detected
OTHER UNREGULATED CHEMICAL ANALYSIS (Secondary):			
Alkalinity	"None"	120	27
Calcium	"None"	44	7
PH	6.5 – 8.5 <sup>(5)</sup>	6.8 – 8.5	7.8
Temperature	"None"	57.2 °F	48.5 °F
Total Organic Carbon	"None"	3.9	0.41

(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) & copper in mg/L. Samples are collected at customer tap. Average is 90<sup>th</sup> Percentile/total.

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