

**CRESTLINE-LAKE ARROWHEAD WATER AGENCY  
WATER QUALITY DATA 2015**

**TEST RESULTS**

Contaminant	Average Level Detected	Range Of Levels Detected	Units	MCL	PHG	Major Sources in Drinking Water
<b>PRIMARY STANDARDS</b>						
Total Trihalomethanes*	51*	11.5-85.7	uG/l	80	N/A	Byproduct of drinking water disinfection
Haloacetic Acids*	8*	1.3-13.4	uG/l	60	N/A	Byproduct of drinking water disinfection
<b>Inorganic Chemicals</b>						
Fluoride (naturally occurring)	.16	.12-.18	mg/l	2	1	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate (as NO3)	1.56	0-3.7	mg/l	45	45	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
<b>SECONDARY STANDARDS</b>						
Chloride	96.38	78-110	mg/l	500	N/A	Runoff/leaching from natural deposits; seawater influence
Sulfate	87.06	63-93	mg/l	500	N/A	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (TDS)	363.13	340-400	mg/l	1000	N/A	Erosion of natural deposits
<b>OTHER CONSTITUENTS</b>						
Sodium	84.31	75-96	mg/l	N/A	N/A	"Sodium" refers to the salt present in the water and is generally naturally occurring
Total Hardness	112.50	100-120	mg/l	N/A	N/A	"Hardness" is the sum of polyvalent cations present in the water, generally magnesium and calcium. The cations are usually naturally occurring.
Odor - Threshold	1	1-1	TON	3	N/A	Naturally- occurring organic materials
<b>Unregulated Contaminants</b>						
Boron	250	200-270	uG/l	1,000	N/A	Erosion of natural deposits
Vanadium	2.78	0-8.1	uG/l	50	N/A	Erosion of natural deposits
pH	7.85	7.2-8.2	Unit	6.5-8.5	N/A	

\*Total Trihalomethanes and Haloacetic Acids are reported as the Highest Locational Running Annual Average.

**SAMPLING RESULTS SHOWING TREATMENT OF SURFACE WATER SOURCES**

Treatment Technique <sup>(a)</sup> (Type of approved filtration technology used)	Conventional Treatment with multimedia pressure filters
Turbidity Performance Standards <sup>(b)</sup> (that must be met through the water treatment process)	Turbidity of the filtered water must: 1 – Be less than or equal to <u>0.3</u> NTU in 95% of measurements in a month. 2 – Not exceed <u>1.0</u> NTU for more than eight consecutive hours. 3 – Not exceed <u>5.0</u> NTU at any time.
Lowest monthly percentage of samples that met Turbidity Performance Standard No. 1.	100%
Highest single turbidity measurement during the year	0.11 NTU
Number of violations of any surface water treatment requirements	0

(a) A required process intended to reduce the level of a contaminant in drinking water.

(b) Turbidity (measured in NTU) is a measurement of the cloudiness of water and is a good indicator of water quality and filtration performance. Turbidity results which meet performance standards are considered to be in compliance with filtration requirements.