CRESTLINE-LAKE ARROWHEAD WATER AGENCY
WATER QUALITY DATA 2017

TEST RESULTS						
Contaminant	**Average Level Detected**	**Range Of Levels Detected**	**Units**	**MCL**	**PHG**	**Major Sources in Drinking Water**
PRIMARY STANDARDS						
Total Trihalomethanes*	44.0*	12.5-56.1	uG/l	80	N/A	By-product of drinking water disinfection
Haloacetic Acids*	10.0*	0-8.3	uG/l	60	N/A	Byproduct of drinking water disinfection
Inorganic Chemicals						
Fluoride (naturally occurring)	.04	0-.59	mg/l	2	1	Erosion of natural deposits; water additive that promotes strong teeth; discharge fron fertilizer and aluminum factories
Nitrate (as NO3)	.26	0-.58	mg/l	45	45	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
SECONDARY STANDARDS						
Chloride	52.44	27-110	mg/l	500	N/A	Runoff/leaching from natural deposits; seawater influence
Sulfate	37.75	28-47	mg/l	500	N/A	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (TDS)	225	130-320	mg/l	1000	N/A	Erosion of natural deposits
OTHER CONSTITUENTS						
Sodium	47.44	34-73	mg/l	N/A	N/A	"Sodium" refers to the salt present in the water and is generally naturally occurring
Total Hardness	67.25	47-92	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
Unregulated Contaminants				**AL**		
Boron	81.25	0-140	uG/l	1,000	N/A	Erosion of natural deposits
Vanadium	1.30	0-4.7	uG/l	50	N/A	Erosion of natural deposits
pH	7.85	7.4-8.1	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 [a] (Type of approved filtration technology used)	Conventional Treatment with multimedia pressure filters
Turbidity Performance Standards [b] (that must be met through the water treatment process)	Turbidity of the filtered water must: 1 – Be less than or equal to _0.3__ NTU in 95% of measurements in a month. 2 – Not exceed _1.0_ NTU for more than eight consecutive hours. 3 – Not exceed _5.0_ 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.