

CRESTLINE-LAKE ARROWHEAD WATER AGENCY WATER QUALITY DATA 2012

TEST RESULTS

Contaminant	Average Level Detected	Range Of Levels Detected	Units	MCL	PHG	Major Sources in Drinking Water
PRIMARY STANDARDS						
Turbidity	.09	0-.3	TT	5	N/A	Soil runoff
The TT requirement is: at least 95% of samples must be less than 0.3 NTU. *						
Total Trihalomethanes	30	1.2-120.8	uG/l	80	N/A	By-product of drinking water disinfection
Haloacetic Acids	2	0-10	uG/l	60	N/A	Byproduct of drinking water disinfection
Inorganic Chemicals						
Aluminum	59.63	0-210	ug/l	200	60	Erosion of natural deposits; residue from some surface water treatment processes
Fluoride (naturally occurring)	.01	0-.11	mg/l	2	1	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate (as NO3)	1.03	0-3.6	ug/l	45	45	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
SECONDARY STANDARDS						
Chloride	83.63	42-130	mg/l	500	N/A	Runoff/leaching from natural deposits; seawater influence
Sulfate	37.56	30-46	mg/l	500	N/A	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (TDS)	300	220-350	mg/l	1000	N/A	Erosion of natural deposits
OTHER CONSTITUENTS						
Sodium	63.63	42/82	mg/l	N/A	N/A	"Sodium" refers to the salt present in the water and is generally naturally occurring
Total Hardness	96.5	60-110	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.
Iron	7.5	0-120	ug/l	300	N/A	Leaching from natural deposits; industrial wastes
Odor - Threshold	1	1-1	TON	3	N/A	Naturally- occurring organic materials
Unregulated Contaminants						
Boron	114.38	0-210	uG/l	1,000	N/A	Erosion of natural deposits
Vanadium	.7	0-4	uG/l	50	N/A	Erosion of natural deposits
pH	7.79	7.5-8.1	Unit	6.5-8.5	N/A	

*Turbidity is monitored continuously because it is a good indicator of the effectiveness of our treatment system. Turbidity measures the cloudiness of water. The Agency uses a conventional treatment process to reduce turbidity.

Arrowhead Villas Mutual Service Company Water Quality Data 2012

Chemical or Contaminant	Violation Yes/No	Average Level Detected	Range of Levels Detected	MCL	PHG (MCLG)
PRIMARY STANDARDS					
Turbidity (TT)	NO	0.2	.1-.3	0.3	N/A
Total Trihalomethanes (uG/l)	NO	14.7	0-35	80	NS
Haloacetic Acids (uG/l)	NO	2.1	0-4.5	60	NS
SECONDARY STANDARDS					
Chloride (mg/l)	NO	15	13-17	500	NS
Sulfate (mg/l)	NO	10.05	9.1-11	500	NS
Total Dissolved Solids (TDS)	NO	19	190	1000	NS
INORGANIC CHEMICALS					
Aluminum (mg/l)	NO	ND	0	1	.6
Nitrate (as NO ₃) (mg/l)	NO	ND	ND	45	45
RADIOACTIVE CONTAMINANTS					
Uranium (pCi/l)	NO	14	11-16	20	0.43
Gross Alpha (pCi/l)	NO	12.8	10-19	15	.05

OTHER CONSTITUENTS					
Sodium (mg/l)	NO	10.3	9.6-11	NS	NS
Total Hardness (mg/l)	NO	125	120-130	NS	NS
COPPER	NO	690 PPB	0-1700	1300	1 site above AL
LEAD	NO	5.3 PPB	0-21	15	1 site above AL