

# CRESTLINE-LAKE ARROWHEAD WATER AGENCY WATER QUALITY DATA 2013

## TEST RESULTS

Contaminant	Average Level Detected	Range Of Levels Detected	Units	MCL	PHG	Major Sources in Drinking Water
<b>PRIMARY STANDARDS</b>						
Turbidity	.04	0-2	TT	5	N/A	Soil runoff
The TT requirement is: at least 95% of samples must be less than 0.3 NTU. *						
Total Trihalomethanes	21	2.6-77.6	uG/l	80	N/A	By-product of drinking water disinfection
Haloacetic Acids	2.2	0-10.8	uG/l	60	N/A	Byproduct of drinking water disinfection
<b>Inorganic Chemicals</b>						
Aluminum	13	0-98	ug/l	200	60	Erosion of natural deposits; residue from some surface water treatment processes
Fluoride (naturally occurring)	.06	0-.14	mg/l	2	1	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate (as NO3)	1.69	0-4.2	ug/l	45	45	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
<b>SECONDARY STANDARDS</b>						
Chloride	91.38	73-120	mg/l	500	N/A	Runoff/leaching from natural deposits; seawater influence
Sulfate	51.56	41-68	mg/l	500	N/A	Runoff/leaching from natural deposits; industrial wastes
Zinc	4.94	0-79	ug/l	5000	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
<b>OTHER CONSTITUENTS</b>						
Sodium	69.13	56-82	mg/l	N/A	N/A	"Sodium" refers to the salt present in the water and is generally naturally occurring
Total Hardness	132.06	98-310	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	17.5	0-280	ug/l	300	N/A	Leaching from natural deposits; industrial wastes
Lead	.61	0-9.7	ug/l	15	2	Internal corrosion of household water systems; discharges from industrial manufacturers; erosion of natural deposits
Odor - Threshold	1	1-1	TON	3	N/A	Naturally- occurring organic materials
<b>Unregulated Contaminants</b>						
Boron	150.63	110-220	uG/l	1,000	N/A	Erosion of natural deposits
Vanadium	1.35	0-6.3	uG/l	50	N/A	Erosion of natural deposits
pH	8	7.8-8.2	Unit	6.5-8.5	N/A	

**ARROWHEAD VILLAS MUTUAL SERVICE COMPANY WATER QUALITY DATA 2013**

Chemical or Contaminant	Violation Yes/No	Average Level Detected	Range of Levels Detected	MCL	PHG (MCLG)	Typical Source of Contaminant
<b>PRIMARY STANDARDS</b>						
Turbidity (TT)	NO	0.2	.1-.3	0.3	N/A	Soil Runoff
Total Trihalomethanes (uG/l)	NO	12.3	0-21	80	NS	By-product of disinfection
Haloacetic Acids (uG/l)	NO	2.1	0-4.5	60	NS	By-product of disinfection
<b>SECONDARY STANDARDS</b>						
Chloride (mg/l)	NO	15	13-17	500	NS	Runoff: leaching from natural deposits
Sulfate (mg/l)	NO	10.05	9.1-11	500	NS	Runoff: leaching from natural deposits
Total Dissolved Solids (TDS)	NO	19	190	1000	NS	Runoff: leaching from natural deposits
<b>INORGANIC CHEMICALS</b>						
Aluminum (mg/l)	NO	ND	0	1	.6	Erosion of natural deposits: residue from surface water treatment processes
Nitrate (as NO <sub>3</sub> ) (mg/l)	NO	2.75	0-3.8	45	45	Runoff and leaching from fertilizer use: leaching from septic tanks and sewage: erosion of natural deposits

RADIOACTIVE CONTAMINANTS						
Uranium (pCi/l)	NO	14	11-16	20	0.43	Erosion of natural deposits
Gross Alpha (pCi/l)	NO	12.8	10-19	15	.05	Erosion of natural deposits
<b>OTHER CONSTITUENTS</b>						
Sodium (mg/l)	NO	10.3	9.6-11	NS	NS	Erosion of natural deposits
Total Hardness (mg/l)	NO	125	120-130	NS	NS	Erosion of natural deposits
<b>COPPER</b>	NO	<b>690 PPB</b>	<b>0-1700</b>	<b>1300</b>	<b>1 site above AL</b>	Internal corrosion of household plumbing systems;erosision of natural deposits, leaching from wood preservitives
<b>LEAD</b>	NO	<b>5.3 PPB</b>	<b>0-21</b>	<b>15</b>	<b>1 site above AL</b>	Internal corrosion of household water and plumbing systems; erosion of natural deposits