

Please see the key to abbreviations, terms, definitions and notes

**PRIMARY STANDARDS – Mandatory Health-Related Standards**  
*Data Provided by the Metropolitan Water District of Southern California (MWD):*

Substance	Units	MCL	PHG (MCLG )	Range	Average	Major Sources in Drinking Water
<b>CLARITY</b>						
Combined filter effluent turbidity	NTU	5.0 & 0.5 (a)	NS	0.24	% < 0.5 = 100%	Soil runoff
<b>MICROBIOLOGICAL (b)</b>						
Total Coliform Bacteria	(b)	5.0%	0	0 - 0.2 %	0.038 %	Naturally present in the environment
Fecal Coliform & E. coli	(b)	(b)	0	0 positive	0 positive	Human and animal fecal waste
<b>ORGANIC CHEMICALS *</b>						
Total Trihalomethanes (c)	ppb	100	n/a	25-49	36	By product of drinking water chlorination
<b>INORGANIC CHEMICALS *</b>						
Aluminum (d)	ppm	1	n/a	0.058-0.16	0.114	Residue from water treatment process; Erosion of natural deposits
Arsenic	ppb	50	n/a	1.4-2.0	ND	Erosion of natural deposits; glass and electronics production wastes
Fluoride	ppm	2	1	0.22-0.30	0.24	Erosion of natural deposits; water additive that promotes strong teeth
<b>RADIONUCLIDES (e) [Analyzed every four years, for four consecutive quarters - (sampled from 8/98 to 4/99)]</b>						
Gross Alpha Particle Activity	pCi/L	15	0	1.35-7.23	4.77	Erosion of natural deposits
Gross Beta Particle Activity	pCi/L	50	0	5.56-10.25	6.58	Decay of natural and manmade deposits
Combined Radium (f)	pCi/L	5	0	1.41-3.30	1.75	Erosion of natural deposits
Uranium	pCi/L	20	0	2.17-3.89	2.93	Erosion of natural deposits

**SECONDARY STANDARDS -- Aesthetic Standards -Data from MWD**

Substance	Units	MCL	PHG (MCLG )	Range	Average	Major Sources in Drinking Water
Chloride	ppm	500	NS	67-76	71	Runoff/leaching from natural deposits; seawater influence
Color	units	15	NS	1-2	2	Naturally occurring organic materials
Corrosivity (g)		non- corrosive	NS	(g)	(g)	Balance of hydrogen, carbon, and oxygen in water; affected by temp., other factors
Hardness (Total Hardness)	ppm	NS	NS	214-287	245	Leaching from natural deposits
Heterotrophic Plate Count (h)	CFU/m	NS	NS	<1-22	<1	Naturally present in the environment
Methyl tert-butyl-ether	ppb	5	NS	ND	ND	Leaking underground storage tanks; discharge
Odor Threshold	units	3	NS	(i)	(i)	Naturally occurring organic materials
Sodium	ppm	NS	NS	66-82	73	Runoff/leaching from natural deposits; seawater influence
Specific Conductance	mho/cm	1600	NS	739-922	815	Substances that form ions when in water; seawater influence

Substance	Units	MCL	)	Range	Average	Major Sources in Drinking Water
Sulfate	ppm	500	NS	163-230	190	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids	ppm	1000	NS	445-574	500	Runoff/leaching from natural deposits; seawater influence
Turbidity (monthly)	NTU	5	NS	0.06-0.08	0.06	Soil runoff

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### ADDITIONAL PARAMETERS (Unregulated) - Data from MWD

Substance	Units	MCL	PHG (MCLG)	Range	Average	Major Sources in Drinking Water
Alkalinity	ppm	-	-	104-126	113	
Calcium	ppm	-	-	52-72	61	
Chloral hydrate	ppb	-	-	3.5-7.0	5.1	
Chloropicrin	ppb	-	-	0.1-0.4	0.2	
Cryptosporidium	Oo-cysts/100L	-	-	ND	ND	
Cyanogen chloride	ppb	-	-	2.3-5.5	3.4	
Giardia	Cysts/100/L	-	-	ND	ND	
Haloacetic acids	ppb	-	-	16-33	25	
Haloacetonitriles	ppb	-	-	5.6-17	8.7	
Haloketones	ppb	-	-	1.3-2.2	1.6	
Magnesium	ppm	-	-	20.5-26	22.5	
Perchlorate	ppb	-	-	ND-6	ND	
pH	pH -Units	-	-	8.03-8.08	8.05	
Potassium	ppm	-	-	3.5-4.1	3.7	
Total organic halides	ppb	-	-	115-157	138	
Total chlorine residual	ppm	-	-	1.6-2.6	2.0	
Total culturable viruses	MPN/100 L	-	-	ND	ND	

### DATA PROVIDED BY VALLECITOS WATER DISTRICT (VWD)

#### Summary of Water Quality Tests:

Substance	Units	MCL	PHG (MCLG)	Range	Average	Major Sources in Drinking Water
<b>At the Distribution System:</b>						
Total Coliform Bacteria (j)	(b)	5.0%	0	1 positive (j)	(j)	Bacteriological regrowth (807 samples taken)
Fecal Coliform / E coli (j)	(b)	(b)	0	0 positive	0 positive	Human and animal fecal waste
Total Trihalomethanes (k)	ppb	100	n/a	14.4-122.0	53.4	By-product of drinking water chlorination
General physical sampling (m) (monitoring for turbidity, odor, color)	(l)	(l)	(l)	(l)	(l)	Aesthetic Standards (DHS requires VWD to conduct 16 general physical samples/month)
<b>Monitored at Customer's Tap:</b>						
Copper (m)	ppm	AL=1.3	0.17	(m)	(m)	Corrosion of household plumbing and erosion of natural deposits
Lead (m)	ppb	AL=15	2	(m)	(m)	