

# Groundwater Supply Wells Water Quality

Detected Contaminants	Units	MCL	PHG (MCLG)	Year Tested <sup>(b)</sup>	Annual Average	Range Low - High	Violation	Major Sources in Drinking Water
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## PRIMARY DRINKING WATER STANDARDS

Arsenic	ppb	10	0.004	2012 <sup>(c)</sup>	3.0	ND - 6.7	No	Erosion of natural deposits.
Fluoride (Natural)	ppm	2.0	1	2012 <sup>(d)</sup>	0.19	0.10 - 0.26	No	Erosion of natural deposits.
Gross Alpha	pCi/L	15	0	2011 <sup>(g)</sup>	ND	ND - 3.03	No	Erosion of natural deposits.
Nitrate (NO <sub>3</sub> )	ppm	45	1	2012	5.7	ND - 20	No	Erosion of natural deposits.
Trichloroethylene (TCE)	ppb	5	1.7	2012	ND	ND - 1.6	No	Discharge from metal degreasing sites.
Uranium	pCi/L	20	0.43	2011 <sup>(f)</sup>	3.43	3.43 - 3.43	No	Erosion of natural deposits.

## SECONDARY DRINKING WATER STANDARDS

Chloride	ppm	500	n/a	2012 <sup>(d)</sup>	101	46 - 200	No	Natural deposits; seawater influence.
Odor Threshold	TON	3	n/a	2012 <sup>(d)</sup>	1.0	ND - 2	No	Naturally-occurring organic materials.
pH Units	Units	6.5 - 8.5	n/a	2012 <sup>(d)</sup>	7.9	7.20 - 8.7	No	Naturally-occurring minerals.
Specific Conductance	µS/cm	1600	n/a	2012 <sup>(d)</sup>	661	520 - 940	No	Formed ions when in water; seawater influence.
Sulfate	ppm	500	n/a	2012 <sup>(d)</sup>	47	22 - 63	No	Leaching from natural deposits.
Total Dissolved Solids	ppm	1000	n/a	2012 <sup>(d)</sup>	419	300 - 600	No	Leaching from natural deposits.
Turbidity	NTU	5	n/a	2012 <sup>(d)</sup>	0.15	ND - 0.51	No	Soil run-off.

## OTHER CONSTITUENTS — *No Drinking Water Standards*

Alkalinity	ppm	n/a	n/a	2012 <sup>(d)</sup>	112	85 - 170	n/a	Naturally-occurring minerals.
Calcium	ppm	n/a	n/a	2012 <sup>(d)</sup>	41	3.7 - 81	n/a	Naturally-occurring mineral.
Magnesium	ppm	n/a	n/a	2012 <sup>(d)</sup>	13	0.47 - 24	n/a	Naturally-occurring mineral.
Potassium	ppm	n/a	n/a	2012 <sup>(d)</sup>	2.9	2.3 - 3.8	n/a	Naturally-occurring mineral.
Sodium	ppm	n/a	n/a	2012 <sup>(d)</sup>	75	44 - 110	n/a	Naturally-occurring mineral.
Hardness <sup>(a)</sup>	ppm	n/a	n/a	2012 <sup>(d)</sup>	156	11 - 300	n/a	Naturally-occurring minerals.
Radon 222	pCi/L	n/a	n/a	2000 <sup>(e)</sup>	532	208 - 1408	n/a	Naturally-occurring gas.

## UNREGULATED CONTAMINANTS — *No Drinking Water Standards*

Boron	ppb	1000 (AL)	n/a	2012 <sup>(c)</sup>	63	ND - 120	n/a	Erosion of natural deposits.
Chromium, Cr VI Screen	ppb	n/a	n/a	2004 <sup>(e)</sup>	3.4	1.3 - 5.9	n/a	Erosion of natural deposits.
Vanadium	ppb	50 (AL)	n/a	2012 <sup>(c)</sup>	4.8	ND - 13	n/a	Erosion of natural deposits.

### Footnotes:

(a) Water Hardness Unit Conversion: 156 ppm = 9.1 grains/gallon.

(b) December 10, 2012—California Department of Public Health (CDPH) granted an amendment to Marina Coast Water District's Domestic Water Supply Permit to allow two new groundwater sources: Wells 34 and Watkins Gate. Prior to the amendment, CDPH granted interim approval to operate Well 34 10/31/2012 and Watkins Gate Well 11/28/2012.

(c) Year Tested 2011—most recent sampling date tested for compliance in Watkins Gate Well 12/7/2011.

(d) Year Tested 2011—most recent sampling date test for compliance: in Well 34 5/4/2011, in Watkins Gate Well 12/7/2011.

(e) Testing in Years 2000 & 2004 did not include Well 34 and Watkins Gate Well, see footnote (b) above.

(f) Watkins Gate Well most recent sampling date tested 12/7/2011 for initial compliance. Wells 34 and Watkins Gate Initial Monitoring to be complete in 2013. Wells 10, 11, 12, 29, 30 and 31 waived.

(g) Year Tested (most recent sampling date tested for compliance) 2008 (Well 10: 4/15/2008) and 2007 (Wells 29 and 12: 3/27/2007, Wells 31, 30 and 11: 1/10/2007).

**Not Detected Chemicals:** The list of chemicals tested but not detected are reported at: [www.mcwd.org/2012ccr-ND.html](http://www.mcwd.org/2012ccr-ND.html).