

Groundwater Supply Wells Water Quality

Detected Contaminants	Units	MCL	PHG (MCLG)	Year Tested ^(b)	Annual Average	Range Low - High	Violation	Major Sources in Drinking Water
PRIMARY DRINKING WATER STANDARDS								
Arsenic	ppb	10	0.004	2015	2.8	ND - 7.6	No	Erosion of natural deposits.
Fluoride (Natural)	ppm	2.0	1	2015	0.19	ND - 0.26	No	Erosion of natural deposits.
Hexavalent Chromium	ppb	10	0.02	2014 ^(c)	2.7	ND - 6.2	n/a	Erosion of natural deposits.
Gross Alpha particle activity	pCi/L	15	(Zero)	2014 /2013 ^(e)	ND	ND - 9.4	No	Erosion of natural deposits.
Nitrate (as N)	ppm	10	10	2015	1	ND - 3.2	No	Erosion of natural deposits.
Selenium	ppb	50	30	2015	ND	ND - 6.0	No	Erosion of natural deposits.
Trichloroethylene [TCE]	ppb	5	1.7	2015	ND	ND - 1.8	No	Discharge from metal degreasing sites.
Uranium	pCi/L	20	0.43	2013 ^(d)	2.1	ND - 4.8	No	Erosion of natural deposits.
SECONDARY DRINKING WATER STANDARDS								
Chloride	ppm	500	n/a	2015	99	66 - 190	No	Leaching from natural deposits; seawater influence.
Foaming Agents [MBAS]	ppb	500	n/a	2015	ND	ND - 71	No	Municipal and industrial waste discharges.
Odor Threshold	TON	3	n/a	2015	ND	ND - 3*	No	Naturally-occurring organic materials.
pH Units	Units	6.5 - 8.5	n/a	2015	8.1	7.8 - 8.6	No	Naturally-occurring minerals.
Specific Conductance	µS/cm	1600	n/a	2015	627	460 - 1000	No	Substances that form ions when in water; seawater influence.
Sulfate	ppm	500	n/a	2015	39	23 - 54	No	Leaching from natural deposits.
Total Dissolved Solids	ppm	1000	n/a	2015	386	280 - 600	No	Leaching from natural deposits.
Turbidity	NTU	5	n/a	2015	0.3	0.071 - 2.2	No	Soil run-off.
OTHER CONSTITUENTS — No Drinking Water Standards								
Alkalinity	ppm	n/a	n/a	2015	109	65 - 170	n/a	Naturally-occurring minerals.
Bicarbonate Alkalinity	ppm	n/a	n/a	2015	133	78 - 210	n/a	Naturally-occurring minerals.
Carbonate Alkalinity	ppm	n/a	n/a	2015	ND	ND - 2.6	n/a	Naturally-occurring minerals.
Calcium	ppm	n/a	n/a	2015	35	3.0 - 57	n/a	Naturally-occurring mineral.
Magnesium	ppm	n/a	n/a	2015	11	0.47 - 24	n/a	Naturally-occurring mineral.
Potassium	ppm	n/a	n/a	2015	3.0	2.3 - 4.0	n/a	Naturally-occurring mineral.
Sodium	ppm	n/a	n/a	2015	80	44 - 120	n/a	Naturally-occurring mineral.
Hardness ^(a)	ppm	n/a	n/a	2015	129	9.4 - 240	n/a	Naturally-occurring minerals.
Radon 222	pCi/L	n/a	n/a	2000 ^(c)	532	208 - 1408	n/a	Naturally-occurring gas.
UNREGULATED CONTAMINANTS — No Drinking Water Standards								
Boron	ppb	1000 (AL)	n/a	2015	ND	ND - 110	n/a	Erosion of natural deposits.
Vanadium	ppb	50 (AL)	n/a	2015	5	ND - 14	n/a	Erosion of natural deposits.
Chlorate	ppb	800 (AL)	n/a	2014 ^(f)	461	100 - 1400**	n/a	Disinfectant added for treatment, an agricultural defoliant or desiccant.

Footnotes:

(a) Water Hardness Unit Conversion: 136 ppm = 7.9 grains/gallon.

(b) Well 30 did not operate in 2013 & 2014. 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) Testing in Years (most recent sampling) 2000 & 2004 did not include Well 34 and Watkins Gate Well, see footnote (b) above.

(d) Wells 12 & 29 waived—due 2016 depending on Gross Alpha results then.

(e) Year Tested (most recent sampling date tested for compliance) 2007 (Wells 29 and 12: 3/27/2007, Well 30 (did not operate in 2013 2014 & 2015) 1/10/2007), Well 11 (one test 2/25/2014)

(f) UCMR3 Wells post-treatment (Entry Point to the Distribution System) chlorate sampling dates 4/1/2014, 4/15/2014 and 10/1/2014.

* Well 11 odor sampled 1/13/2016 exceeded Secondary MCL of 3 TON with result 40 TON. Well 11 odor resampled three times 3/23/2016 results were 1 , 2 and 1 TON, respectively.

** Only California (Notification Level) AL exceedance was Well 12 treatment plant effluent sampled 10/1/2014.

Not Detected Chemicals:
The list of chemicals tested but not detected are reported at: www.mcwd.org/2015ccr-ND.html.