

DATA TABLES FOR SANTA MARGARITA

Tables 1, 2, 3, 4, 4A, 5, 6, and 7 list all of the drinking water contaminants that were detected from **January 2005 through December 2005**, unless otherwise noted. The presence of these contaminants in water does not necessarily indicate that the water poses a health risk. The Department of Health Services requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data may be more than one year old, but is still representative of the water quality.

Table 1 - Microbiological Contaminants					
Contaminant (reporting units)	MCL	PHG (MCLG)	Range	Average	Potential Source of Contamination
Total Coliform Bacteria (MPN/100mL) <i>(Distribution System)</i>	More than 1 sample in a month with a detection	(0)	ND	ND	Naturally present in the environment
Heterotrophic Plate Count Bacteria (CFU/100 mL) <i>(Distribution System)</i>	TT	---	ND-390	11	Naturally present in the environment
Turbidity (NTU) <i>(Based on continuous monitoring of Well 4)</i>	TT	---	0.04-0.06	0.05	Soil runoff. <i>See "Important Information" section in report body for more information.</i>
Chlorine (ppm) <i>(Distribution System)</i>	MRDL = 4.0 (as Cl ₂)	MRDLG = 4 (as Cl ₂)	0.4-1.9	1.36	Drinking water disinfectant added for treatment. <i>See "Important Information" section in report body for more information.</i>

Table 2—Detection of Contaminants with a Primary Drinking Water Standard					
Arsenic (ppb)	50	0.004	ND-7	3.5	<i>See "Important Information" section in report body for more information.</i>
Fluoride (ppb)	2000	1000	140-180	200 (2004)	Erosion of natural deposits
Nitrate (ppm) (as NO ₃)	45	45	ND-20	5	Runoff and leaching from fertilizer use; Leaching from septic tanks and sewage; erosion of natural deposits

Table 3 - Detection of Radioactive Contaminants					
Gross Alpha particle activity (pCi/L)	15	---	0.24-1.66	1.0 (2004)	Erosion of natural deposits

Table 4 - Corrosion Control Monitoring					
Contaminant (reporting units)	MCL	PHG (MCLG)	Range	Average	Potential Source of Contamination
Ortho-phosphate (ppm) <i>(Distribution System)</i>	TT	---	0.85-2.45	1.88	<i>See "Important Information" section in report body for more information</i>
pH <i>(Distribution System)</i>	TT	---	7.33-8.1	7.59	<i>See "Important Information" section in report body for more information</i>

Table 4A - Detection of Copper in Santa Margarita Homes

Contaminant (reporting units)	MCL	MCLG	Number of Samples Collected	90th Percentile Level Detected	Number of Sites found above the AL	Potential Source of Contamination
Copper	AL = 1300	170	10	590	0	Internal corrosion of household water plumbing systems

Table 5- Detection of Contaminants with a Secondary Drinking Water Standard

Contaminant (reporting units)	MCL	PHG (MCLG)	Range	Average	Potential Source of Contamination
Chloride (ppm)	500	---	20–28	24	Runoff/leaching from natural deposits; seawater influence
Color (CU)	15	---	ND–1	ND	Naturally occurring organic materials
Corrosivity (LI)	Non-corrosive	---	-0.4–0.1 Corrosive	-0.2	Natural or industrially-influenced balance of hydrogen, carbon and oxygen in the water; affected by temperature and other factors
Odor - Threshold (TON)	3	---	ND–6	2	Naturally occurring organic materials
Specific Conductance (micromhos/cm)	1600	---	590–700	640	Runoff/leaching from natural deposits; seawater influence
Sulfate (ppm)	500	---	15–84	50	Runoff/leaching from natural deposits; industrial wastes
Turbidity (NTU) (<i>Distribution System</i>)	5	---	0.06–0.58	0.11	Soil Runoff
Total Dissolved Solids (ppm)	1000	---	400–460	430	Runoff/leaching from natural deposits

Table 6- Detection of Contaminants without a Drinking Water Standard

Total Alkalinity as CaCO ₃ (ppm)	NS	---	270–310	290	Runoff/leaching from natural deposits
Calcium (ppm)	NS	---	33–61	47	Runoff/leaching from natural deposits
Total Hardness (ppm)	NS	---	140–330	240	Generally found in ground and surface water
Magnesium (ppm)	NS	---	17–48	32	Runoff/leaching from natural deposits
Sodium (ppm)	NS	---	27–83	55	Runoff/leaching from natural deposits

Table 7—Disinfection Byproducts, Disinfectant Residuals, and Disinfection Byproduct Precursors

Total Trihalomethanes (ppb) (<i>Distribution System</i>)	Running Annual Average = 80	---	2.9–3.1 (2004)	Running Annual Average = 3.0	Byproduct of drinking water chlorination
Total Haloacetic Acids (ppb) (<i>Distribution System</i>)	Running Annual Average = 60	---	ND (2004)	Running Annual Average = ND	Byproduct of drinking water disinfection