

**Summary of Detections Above a Drinking Water Standard  
GAMA Domestic Well Project – San Diego County Focus Area (2008-09)**

Total Number of Wells Sampled: 137

Constituent Type	Chemical Constituent of Concern	Number of Wells Above Public Drinking Water Standard	Percentage of Wells Above Public Drinking Water Standard	Range of Detections Above Public Drinking Water Standards <sup>1</sup>	Public Drinking Water Standards - MCL <sup>2</sup>	Public Drinking Water Standards - SMCL <sup>3</sup>	Public Drinking Water Standards - NL <sup>4</sup>
Bacteria Indicators	Total Coliform	36	26%	NA <sup>5</sup>	Present		
Metals	Aluminum	1	<1%	510 µg/L	1,000 µg/L	200 µg/L	
Metals	Arsenic	3	2%	10.1 – 15.7	10 µg/L		
Metals	Barium	1	<1%	1,350 µg/L	1,000 µg/L		
Metals	Cadmium	2	1%	5.94 – 9.4 µg/L	5 µg/L		
Metals	Iron	21	15%	302 – 12,500 µg/L		300 µg/L	
Metals	Lead	2	1%	41.5 – 74.8 µg/L			15 µg/L
Metals	Manganese	45	33%	52.3 – 679 µg/L		50 µg/L	500 µg/L
Metals	Vanadium	2	1%	58.5 – 65.8			50 µg/L
Metals	Zinc	2	1%	9,400 – 13,900 µg/L		5,000 µg/L	
Major Ions & General Chemistry	Electrical Conductivity (EC)	19	14%	1,630 – 2,600 µmhos/cm		1,600 µmhos/cm	
Major Ions & General Chemistry	Total Dissolved Solids (TDS)	21	15%	1,020 – 1,830 mg/L		1,000 mg/L	

<sup>1</sup>µg/L = micrograms per liter, or parts per billion (ppb); mg/L = milligrams per liter, or parts per million (ppm). A microgram is 1/1000th of a milligram.

<sup>2</sup> MCL = Division of Drinking Water (DDW-formerly the California Department of Public Health) Primary Maximum Contaminant Level

<sup>3</sup> SMCL = DDW Secondary Maximum Contaminant Level

<sup>4</sup> NL = DDW Notification Level

<sup>5</sup> Coliform are evaluated on a presence/absence criteria. No range can be determined.

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Major Ions & General Chemistry	Nitrate as NO <sub>3</sub>	25	18%	47.3 – 249 mg/L	45 mg/L		
Major Ions & General Chemistry	Chloride	3	2%	520 – 692 mg/L		500 mg/L	
Major Ions & General Chemistry	Sulfate	1	<1%	613 mg/L		500 mg/L	
Major Ions & General Chemistry	Boron	4	3%	1,110 – 2,300 µg/L			1,000 µg/L
Major Ions & General Chemistry	Fluoride	1	<1%	3,340 µg/L	2,000 µg/L		
Major Ions & General Chemistry	Perchlorate	4	3%	6.1 – 14 µg/L	6 µg/L		
Radionuclides <sup>6</sup> (54 Selected Wells Sampled)	Gross Alpha	19 of 54 wells	35%	15.8 – 170 pCi/L	15 pCi/L		
Radionuclides (54 Selected Wells Sampled)	Radium 226+228	2 of 54 wells	4%	5.06 – 23.7 pCi/L	5 pCi/L		
Radionuclides (54 Selected Wells Sampled)	Uranium	16 of 54 wells	30%	24.3 – 168 pCi/L	20 pCi/L		
VOCs <sup>7</sup>	Trichlorofluoro methane (Freon) <sup>8</sup>	1	<1%	2,230 µg/L	150 µg/L		

<sup>6</sup> Radionuclide units in picocuries per liter, or pCi/L. A picocurie is a measure of particle activity

<sup>7</sup> VOCs = volatile organic compounds

<sup>8</sup> Possible laboratory or field contamination