

## Summary of Detections Above a Drinking Water Standard<sup>1</sup> GAMA Domestic Well Project - Tulare County Focus Area (2006)

Total Number of Wells Sampled: 181

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>2</sup>	Public Drinking Water Standards - MCL <sup>3</sup>	Public Drinking Water Standards - SMCL <sup>4</sup>	Public Drinking Water Standards - NL <sup>5</sup>
Bacteria Indicators	Total Coliform	60	33%	NA <sup>6</sup>	Present		
Bacteria Indicators	Fecal Coliform	13	7%	NA	Present		
Metals	Aluminum	2	1%	275 - 450 µg/L		200 µg/L	
Metals	Arsenic	2	2%	10.4 - 14 µg/L	10 µg/L		
Metals	Beryllium	1	<1%	113 µg/L	4 µg/L		
Metals	Boron	1	<1%	48.4 mg/L			1 mg/L
Metals	Chromium	2	1%	76.7 - 91.9 µg/L	50 µg/L		
Metals	Iron	2	1%	608 - 650 µg/L		300 µg/L	
Metals	Manganese	2	1%	93.5 - 172 µg/L		50 µg/L	
Metals	Nickel	3	2%	121 - 213 µg/L	100 µg/L		
Metals	Thallium	6	3%	2.11 - 7.32 µg/L	2 µg/L		
Metals	Vanadium	14	8%	50.1 - 42.9 µg/L			50 µg/L
Metals	Zinc	1	<1%	17.3 mg/L		5 mg/L	
Major Ions & General Chemistry	Nitrate (as N)	72	40%	10.1 - 54 mg/L	10 mg/L		
Major Ions & General Chemistry	Nitrite (as N)	4	2%	1.52 - 4.08 mg/L	1 mg/L		

<sup>1</sup> Division of Drinking Water (DDW-formerly the California Department of Public Health) Public Drinking Water Standards used for comparison purposes only. Domestic well water quality in California is not regulated.

<sup>2</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>3</sup> MCL = Division of Drinking Water (DDW-formerly the California Department of Public Health) Primary Maximum Contaminant Level

<sup>4</sup> SMCL = DDW Secondary Maximum Contaminant Level

<sup>5</sup> NL = DDW Notification Level

<sup>6</sup> NA = Coliform are evaluated on a presence/absence criteria. No range can be determined.

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Major Ions & General Chemistry	Perchlorate	2 (of 30 tested)	6%	7.9 - 13 µg/L	6 µg/L		
Major Ions & General Chemistry	Total Dissolved Solids	4	2%	1,002 - 1,052 mg/L		1,000 mg/L	
Major Ions & General Chemistry	Specific Conductance	4	2%	1,820 - 2,060 µmhos/cm		1,600 µmhos/cm	
Organic Compounds (Pesticides and VOCs <sup>7</sup> )	1,2-Dibromo 3-chloropropane (DBCP)	8	4%	0.221 - 2.83 µg/L	0.2 µg/L		
Organic Compounds (Pesticides and VOCs)	1,2,3-Trichloropropane	1	<1%	0.8			0.005 µg/L
Radionuclides	Gross Alpha	3 (of 13 tested)	23%	15.1 - 602 pCi/L	15 pCi/L		
Radionuclides	Radium 226+228	1 (of 13 tested)	8%	5.1 pCi/L	5 pCi/L		
Radionuclides	Uranium	1 (of 13 tested)	8%	228 pCi/L	20 pCi/L		

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