

## Summary of Detections Above a Drinking Water Standard<sup>1</sup> **GAMA Domestic Well Project – Tehama County Focus Area (2005)**

Total Number of Wells Sampled: 223

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	56	25%	NA <sup>6</sup>	Present		
Bacteria Indicators	Fecal Coliform	3	1%	NA	Present		
Metals	Arsenic	28	13%	10 - 25 µg/L	10 µg/L		
Metals	Iron	31	14%	310 - 9700 µg/L		300 µg/L	
Metals	Aluminum	5	2%	200 - 700 µg/L	1,000 µg/L	200 µg/L	
Metals	Chromium	1	<1%	200 µg/L	50 µg/L		
Metals	Manganese	19	9%	57 - 490 µg/L		50 µg/L	
Metals	Lead	2	1%	22 - 66 µg/L			15 µg/L
Major Ions & General Chemistry	Nitrate (NO <sub>3</sub> <sup>-</sup> )	2	<1%	49 - 60 mg/L	45 mg/L		
Major Ions & General Chemistry	Nitrite (N)	2	<1%	1.3 - 1.6 mg/L	1.0 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.