

Summary of Detections Above a Drinking Water Standard¹ GAMA Domestic Well Project – Yuba County Focus Area (2002)

Total Number of Wells Sampled²: 128

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 ³	Public Drinking Water Standards – MCL ⁴	Public Drinking Water Standards – SMCL ⁵	Public Drinking Water Standards – NL ⁶
Bacteria Indicators	Total Coliform	31	24%	NA ⁷	Present		
Bacteria Indicators	Fecal Coliform	4	3%	NA	Present		
Metals	Aluminum	26	20%	201 – 1,630 µg/L	1,000 µg/L	200 µg/L	
Metals	Antimony	1	1%	6.2 µg/L	6 µg/L		
Metals	Arsenic	7	5%	11 – 29 µg/L	10 µg/L		
Metals	Iron	21	17%	310 – 9,440 µg/L		300 µg/L	
Metals	Lead	2	2%	45 – 60 µg/L			15 µg/L
Metals	Manganese	39	30%	60 – 1,690 µg/L		50 µg/L	
Metals	Nickel	2	2%	113 – 180 µg/L	100 µg/L		
Metals	Thallium	1	<1%	2.2 µg/L	2 µg/L		
Major Ions & General Chemistry	Electrical Conductivity	2	2%	1,670 – 2,020 µmhos/cm		1,600 µmhos/cm	
Major Ions & General Chemistry	Nitrate (NO ₃ ⁻)	2	2%	57.59 mg/L	45 mg/L		
Major Ions & General Chemistry	Total Dissolved Solids	2	2%	1,230 – 1,240 mg/L		1,000 mg/L	

¹ 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.

² Total well count includes Pilot Study wells, and wells in the following adjacent counties: El Dorado (7), Placer (6), Sutter (3), Butte (2) and Nevada (2).

³ µg/L = micrograms per liter; mg/L = milligrams per liter; µmhos/cm = micromhos per centimeter; pCi/L = picocuries per liter

⁴ MCL = DDW Primary Maximum Contaminant Level

⁵ SMCL = DDW Secondary Maximum Contaminant Level

⁶ NL = DDW Notification Level

⁷ NA = Coliform are evaluated on a presence/absence criteria. No range can be determined.

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Organic Compounds (Pesticides & VOCs ⁸)	1,2-Dichloroethane	1	1%	1.4 µg/L	0.5 µg/L		
Organic Compounds (Pesticides & VOCs)	Trichloroethylene (TCE)	1	1%	180 µg/L	5 µg/L		

⁸ VOCs = volatile organic compounds