

**Summary of Detections Above a Drinking Water Standard
GAMA Domestic Well Project – El Dorado County Focus Area (2003-04)**

Total Number of Wells Sampled: 398

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 ¹	Public Drinking Water Standards – MCL ²	Public Drinking Water Standards – SMCL ³	Public Drinking Water Standards – NL ⁴
Bacteria Indicators	Total Coliform	111	28%	NA ⁵	Present		
Bacteria Indicators	Fecal Coliform	14	4%	NA	Present		
Metals	Antimony	2	<1%	11 – 12 µg/L	6 µg/L		
Metals	Aluminum	11	3%	220 – 1,500 µg/L	1,000 µg/L	200 µg/L	
Metals	Arsenic	14	4%	11 – 110 µg/L	10 µg/L		
Metals	Iron	80	20%	310 – 87,000 µg/L		300 µg/L	
Metals	Lead	3	1%	18 – 110 µg/L			15 µg/L
Metals	Manganese	97	24%	51 – 1,800 µg/L		50 µg/L	
Metals	Nickel	1	<1%	150 µg/L	100 µg/L		
Metals	Zinc	1	<1%	5.8 mg/L		5 mg/L	
Major Ions & General Chemistry	Nitrate (as NO ₃)	7	2%	50 – 84 mg/L	45 mg/L		
Organic Compounds (Pesticides and VOCs ⁶)	Benzene	1	<1%	15 µg/L	1 µg/L		
Organic Compounds (Pesticides and VOCs)	MTBE	1	<1%	5.7 µg/L	13 µg/L	5 µg/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. µg/L = micrograms per liter; mg/L = milligrams per liter.

² MCL = DDW Primary Maximum Contaminant Level

³ SMCL = DDW Secondary Maximum Contaminant Level

⁴ NL = DDW Notification Level

⁵ NA = Coliform are evaluated on a presence/absence criteria. No range can be determined.

⁶ VOCs = volatile organic compounds