

**GAMA Domestic Well Project  
Testing Results  
Commonly Observed Chemicals**

**Number of Samples Above CDPH Drinking Water Standards <sup>1</sup>**

<b>Compound</b>	<b>Drinking Water Standard</b>	<b>Yuba <sup>2</sup> (2002) 128 Wells</b>	<b>El Dorado (2003-04) 398 Wells</b>	<b>Tehama (2005) 223 Wells</b>	<b>Tulare (2006) 181 Wells</b>	<b>San Diego (2008-09) 137 Wells</b>	<b>Cumulative Domestic Well Project Totals 1067 Wells</b>
<b>BACTERIA INDICATORS</b>							
Total Coliform	Present <sup>4</sup>	28 (22%)	111 (28%)	56 (25%)	60 (33%)	34 (25%)	282 (26%)
Fecal Coliform	Present <sup>4</sup>	4 (3%)	14 (4%)	3 (1%)	15 (8%)	NAS <sup>3</sup>	35 (3%)
<b>GENERAL MINERALS &amp; IONS</b>							
Nitrate	45 mg/L <sup>4</sup>	2 (2%)	7 (2%)	2 (1%)	75 (41%)	25 (18%)	111 (10%)
Perchlorate	6 µg/L <sup>4</sup>	Not Sampled	Not Sampled	Not Sampled	2 of 30 (7%)	5 (4%)	7 of 167 (4%)
Chloride	500 mg/L <sup>5</sup>	NAS <sup>3</sup>	NAS <sup>3</sup>	NAS <sup>3</sup>	NAS <sup>3</sup>	2 (1%)	2 (<1%)
Sulfate	500 mg/L <sup>5</sup>	NAS <sup>3</sup>	NAS <sup>3</sup>	NAS <sup>3</sup>	NAS <sup>3</sup>	3 (2%)	3 (<1%)
Total Dissolved Solids	1,000 mg/L <sup>4</sup>	5 (4%)	5 (1%)	5 (2%)	4 (2%)	22 (16%)	41 (4%)
<b>METALS</b>							
Aluminum	1,000 µg/L <sup>4</sup>	18 (14%)	12 (3%)	6 (3%)	2 (1%)	NAS <sup>3</sup>	38 (4%)
Arsenic	10 µg/L <sup>5</sup>	6 (5%)	15 (4%)	30 (14%)	3 (2%)	3 (2%)	55 (5%)
Chromium	50 µg/L <sup>4</sup>	1 (<1%)	NAS <sup>3</sup>	1 (<1%)	2 (1%)	NAS <sup>3</sup>	4 (<1%)
Iron	300 µg/L <sup>5</sup>	14 (11%)	81 (20%)	31 (14%)	2 (1%)	21 (15.3%)	149 (14%)
Lead	15 µg/L <sup>6,7</sup>	2 (2%)	2 (0.5%)	2 (1%)	NAS <sup>3</sup>	2 (1%)	8 (<1%)
Manganese	50 µg/L <sup>5</sup>	21 (16%)	98 (25%)	19 (9%)	2 (1%)	45 (33%)	178 (17%)
Vanadium	50 µg/L <sup>6</sup>	NAS <sup>3</sup>	NAS <sup>3</sup>	NAS <sup>3</sup>	14 (8%)	2 (1%)	16 (1%)
Zinc	5,000 µg/L <sup>5</sup>	NAS <sup>3</sup>	1 (<1%)	NAS <sup>3</sup>	1 (<1%)	2 (1%)	4 (<1%)
<b>ORGANICS</b>							
Volatile Organic Compounds	Varies by compound	NAS <sup>3</sup>	1 (<1%)	NAS <sup>3</sup>	10 (6%)	NAS <sup>3</sup>	11 (1%)

<b>Compound</b>	<b>Threshold Level</b>	<b>Yuba (2002) 128 Wells</b>	<b>El Dorado (2003-04) 398 Wells</b>	<b>Tehama (2005) 223 Wells</b>	<b>Tulare (2006) 181 Wells</b>	<b>San Diego (2008-09) 137 Wells</b>	<b>Cumulative Domestic Well Project Totals 1067 Wells</b>
<b>RADIONUCLIDES</b>							
Gross Alpha	15 pCi/L <sup>3</sup>	Radionuclides not routinely sampled in these Focus Areas			3 of 13 wells	19 of 54 wells	22 of 67 (33%)
Radium 226+228	5 pCi/L <sup>3</sup>				1 of 13 wells	2 of 54 wells	3 of 67 (4%)
Uranium	20 pCi/L <sup>3</sup>				1 of 13 wells	16 of 54 wells	17 of 67 (25%)
<b>Notes:</b> <ol style="list-style-type: none"> <li>1. Drinking water standards established by the California Department of Public Health (CDPH) are used for comparison purposes only, since domestic well water quality is not regulated. The MCL is the highest concentration of a contaminant allowed in public drinking water. "Primary" MCLs address health concerns, while "Secondary" MCLs (SMCLs) address esthetics, such as taste and odor. Notification Levels (NLs) are health-based advisory levels for chemicals in public drinking water that have no formal regulatory standards.</li> <li>2. It includes the pilot project sites</li> <li>3. None Above Standard: Domestic wells were analyzed for this chemical – however, the chemical was not observed at a concentration greater than a CDPH Drinking Water Standard.</li> <li>4. MCL</li> <li>5. SMCL</li> <li>6. NL</li> <li>7. NL cannot be exceeded in more than 10% of samples at the tap.</li> </ol>							