

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

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

Compound type	Compound	Drinking Water Standard	Yuba (2002) 128 Wells	EI Dorado (2003-04) 398 Wells	Tehama (2005) 223 Wells	Tulare (2006) 181 Wells	San Diego (2008-09) 137 Wells	Monterey (2011) 79 Wells	Cumulative Domestic Well Project Totals 1146 Wells
Bacteria Indicators	Total Coliform	Present <sup>2</sup>	28 (22%)	111 (28%)	56 (25%)	60 (33%)	34 (25%)	11(14%)	300 (26%)
Bacteria Indicators	Fecal Coliform	Present <sup>2</sup>	4 (3%)	14 (4%)	3 (1%)	15 (8%)	NAS <sup>3</sup>	1 (1.3%)	37 (3.2)
General Minerals & Ions	Nitrate	45 mg/L <sup>2</sup>	2 (2%)	7 (2%)	2 (1%)	75 (41%)	25 (18%)	9 (11%)	119(10%)
General Minerals & Ions	Nitrite	1 mg/L	NAS <sup>3</sup>	NAS <sup>3</sup>	2 (1%)	4 (2.2 %)	NAS <sup>3</sup>	5 (6%)	11 (<1%)
General Minerals & Ions	Perchlorate	6 µg/L <sup>2</sup>	Not Sampled	Not Sampled	Not Sampled	2 of 40 (5%)	5 (4%)	9(11%)	16 of 256 (6%)
General Minerals & Ions	Chloride	500 mg/L <sup>4</sup>	NAS <sup>3</sup>	NAS <sup>3</sup>	NAS <sup>3</sup>	NAS <sup>3</sup>	2 (1%)	NAS <sup>3</sup>	2 (<1%)
General Minerals & Ions	Sulfate	500 mg/L <sup>4</sup>	NAS <sup>3</sup>	NAS <sup>3</sup>	NAS <sup>3</sup>	NAS <sup>3</sup>	3 (2%)	1 (1.3%)	4 (<1%)

<sup>1</sup> Drinking water standards established by the State Water Board Division of Drinking Water (DDW-formerly the California Department of Public Health) are used for comparison purposes only, since domestic well water quality is not regulated. The maximum contaminant level (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.

<sup>2</sup> MCL

<sup>3</sup> NAS = None Above Standard: Domestic wells were analyzed for this chemical – however, the chemical was not observed at a concentration greater than a DDW Drinking Water Standard.

<sup>4</sup> SMCL

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General Minerals & Ions	Total Dissolved Solids	1,000 mg/L <sup>2</sup>	5 (4%)	5 (1%)	5 (2%)	4 (2%)	22 (16%)	5 (6%)	46 (4%)
Metals	Aluminum	1,000 µg/L <sup>2</sup>	18 (14%)	12 (3%)	6 (3%)	2 (1%)	NAS <sup>3</sup>	NAS <sup>3</sup>	38 (3.3%)
Metals	Arsenic	10 µg/L <sup>4</sup>	6 (5%)	15 (4%)	30 (14%)	3 (2%)	3 (2%)	8 (10%)	65 (6%)
Metals	Cadmium	5 µg/L	NAS <sup>3</sup>	ND <sup>3</sup>	NAS <sup>3</sup>	NAS <sup>3</sup>	2 (1%)	3 (2%)	5 (<1%)
Metals	Chromium	50 µg/L <sup>2</sup>	1 (<1%)	NAS <sup>3</sup>	1 (<1%)	2 (1%)	NAS <sup>3</sup>	NAS <sup>3</sup>	4 (<1%)
Metals	Iron	300 µg/L <sup>4</sup>	14 (11%)	81 (20%)	31 (14%)	2 (1%)	21(15%)	6 (8%)	155 (14%)
Metals	Lead	15 µg/L <sup>5 6</sup>	2 (2%)	2 (0.5%)	2 (1%)	NAS <sup>3</sup>	NAS <sup>3</sup>	NAS <sup>3</sup>	6 (<1%)
Metals	Manganese	50 µg/L <sup>4</sup>	21 (16%)	98 (25%)	19 (9%)	2 (1%)	45 (33%)	13 (16%)	198 (17%)
Metals	Thallium	2 µg/L	NAS <sup>3</sup>	NAS <sup>3</sup>	NAS <sup>3</sup>	NAS <sup>3</sup>	NAS <sup>3</sup>	18 (23%)	18 (<2%)
Metals	Vanadium	50 µg/L <sup>5</sup>	NAS <sup>3</sup>	NAS <sup>3</sup>	NAS <sup>3</sup>	14 (8%)	2 (1%)	NAS <sup>3</sup>	16 (<2%)
Metals	Zinc	5,000 µg/L <sup>4</sup>	NAS <sup>3</sup>	1 (<1%)	NAS <sup>3</sup>	1 (<1%)	2 (1%)	NAS <sup>3</sup>	4 (<1%)
Organics	Volatile Organic Compounds	Varies by compound	NAS <sup>3</sup>	1 (<1%)	NAS <sup>3</sup>	10 (6%)	NAS <sup>3</sup>	NAS <sup>3</sup>	11 (<1%)
Radionuclides	Gross Alpha	15 pCi/L <sup>2</sup>	Not Sampled	Not Sampled	Not Sampled	3 of 13 wells	19 of 54 wells	NAS <sup>3</sup>	22 of 146 (15%)
Radionuclides	Radium 226+228	5 pCi/L <sup>2</sup>	Not Sampled	Not Sampled	Not Sampled	1 of 13 wells	2 of 54 wells	NAS <sup>3</sup>	3 of 146 (2%)
Radionuclides	Uranium	20 pCi/L <sup>2</sup>	Not Sampled	Not Sampled	Not Sampled	1 of 13 wells	16 of 54 wells	1 of 79	18 of 146 (12%)

<sup>5</sup> NL

<sup>6</sup> NL cannot be exceeded in more than 10% of samples at the tap.