

Summary of Detections Above a Drinking Water Standard						
GAMA Domestic Well Project – San Diego County Focus Area (2008-09)						
Total Number of Wells Sampled: 137						
Compound	Wells Above Public Drinking Water Standard		Range of Detections Above Public Drinking Water Standards	Public Drinking Water Standards ^{1,2,3}		
	Number	Percent		MCL	SMCL	NL
Bacteria Indicators						
Total Coliform	36	26%	NA ⁴	Present		
Metals						
Aluminum	1	<1%	510 µg/L	1,000 µg/L	200 µg/L	
Arsenic	3	2%	10.1 – 15.7	10 µg/L		
Barium	1	<1%	1,350 µg/L	1,000 µg/L		
Cadmium	2	1%	5.94 – 9.4 µg/L	5 µg/L		
Iron	21	15%	302 – 12,500 µg/L		300 µg/L	
Lead	2	1%	41.5 – 74.8 µg/L			15 µg/L
Manganese	45	33%	52.3 – 679 µg/L		50 µg/L	500 µg/L
Vanadium	2	1%	58.5 – 65.8			50 µg/L
Zinc	2	1%	9,400 – 13,900 µg/L		5,000 µg/L	
Major Ions & General Chemistry						
Electrical Conductivity (EC)	19	14%	1,630 – 2,600 µmhos/cm		1,600 µmhos/cm	
Total Dissolved Solids (TDS)	21	15%	1,020 – 1,830 mg/L		1,000 mg/L	
Nitrate as NO ₃	25	18%	47.3 – 249 mg/L	45 mg/L		
Chloride	3	2%	520 – 692 mg/L		500 mg/L	
Sulfate	1	<1%	613 mg/L		500 mg/L	
Boron	4	3%	1,110 – 2,300 µg/L			1,000 µg/L
Fluoride	1	<1%	3,340 µg/L	2,000 µg/L		
Perchlorate	5	4%	6.1 – 14 µg/L	6 µg/L		

Table 2: Summary of Detections Above a Drinking Water Standard, Continued

Compound	Number of Wells Above Public Drinking Water Standards	Percentage	Range of Detections Above Public Drinking Water Standards	Public Drinking Water Standards ^{1,2,3}		
				MCL	SMCL	NL
Radionuclides³ (54 Selected Wells Sampled)						
Gross Alpha	19 of 54 wells	35%	15.8 – 170 pCi/L	15 pCi/L		
Radium 226+228	2 of 54 wells	4%	5.06 – 23.7 pCi/L	5 pCi/L		
Uranium	16 of 54 wells	30%	24.3 – 168 pCi/L	20 pCi/L		
VOCs						
Trichlorofluoromethane (Freon) ⁵	1	<1%	2,230 µg/L	150 µg/L		
Notes:						
<ol style="list-style-type: none"> 1. MCL = California Department of Public Health (CDPH) Primary Maximum Contaminant Level; SMCL = CDPH Secondary Maximum Contaminant Level; NL = CDPH Notification Level 2. 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. 3. Radionuclide units in picocuries per liter, or pCi/L. A picocurie is a measure of particle activity 4. Coliform are evaluated on a presence/absence criteria. No range can be determined. 5. Possible laboratory or field contamination 						