

**Table 1.** Constituents and water-quality parameters collected for the slow, intermediate, fast, and depth-dependent sampling lists in the Southern Sacramento Valley Ground-Water Ambient Monitoring and Assessment (GAMA) study unit, California, 2005.

Slow list	Intermediate list	Fast list	Depth-dependent list
Volatile organic compounds	Volatile organic compounds	Volatile organic compounds	Volatile organic compounds
Gasoline oxygenates			
Deuterium and oxygen-18	Deuterium and oxygen-18	Deuterium and oxygen-18	Deuterium and oxygen-18
Tritium <sup>1</sup>	Tritium <sup>1</sup>	Tritium <sup>1</sup>	Tritium <sup>1</sup>
Pesticides	Pesticides	Pesticides (selected)	
Pharmaceuticals	Pharmaceuticals	Pharmaceuticals	
pH, Specific conductance, dissolved oxygen, water temperature, and alkalinity	Specific conductance and water temperature	Specific conductance and water temperature	Specific conductance
Chromium speciation	Chromium speciation		Chromium speciation
Arsenic and iron speciation	Arsenic and iron speciation		Arsenic and iron speciation
Major ions and trace elements	Major ions and trace elements		Major ions and trace elements
Tritium and noble gases <sup>2</sup>	Tritium and noble gases <sup>2</sup>		Nutrients
Constituents of special interest (perchlorate, <i>N</i> -nitrosodimethylamine, 1,2,3-trichloropropane) <sup>3</sup>	Constituents of special interest (perchlorate, <i>N</i> -nitrosodimethylamine, 1,2,3-trichloropropane) <sup>3</sup>		
Carbon isotopes			
Radium isotopes			
Gross alpha and beta radioactivity			
Dissolved organic carbon			
Nutrients	Nutrients		
Radon-222			
Microbial constituents			

<sup>1</sup>Analyzed at the U.S. Geological Survey's Stable Isotope and Tritium Laboratory, Menlo Park, California.<sup>2</sup>Analyzed at Lawrence Livermore National Laboratory, Livermore, California.<sup>3</sup>Analyzed at Montgomery Watson Harza Laboratory, Monrovia, California.