

**Table A2.** Preferred analytical schedules for constituents appearing on multiple schedules for samples collected for the Southern Sierra Groundwater Ambient Monitoring and Assessment (GAMA) study, California, June 2006

[Preferred analytical schedules are the methods of analysis with the greatest accuracy and precision out of the ones used for the compound in question. LLNL, Lawrence Livermore National Laboratory; MWH, Montgomery Watson Harza Laboratory; SITL, U.S. Geological Survey Stable Isotope and Tritium Laboratory; TML, U.S. Geological Survey Trace Metal Laboratory; VOC, volatile organic compound]

Constituent	Primary constituent classification	Analytical schedules	Preferred analytical schedule
Results from preferred method reported			
Acetone	VOC, gasoline degradate	2020, 4024	2020
Bromoform	VOC	2020, 1433	2020
Caffeine	Wastewater indicator	2080, 1433	2080
Carbaryl	Pesticide	2003, 1433	2003
Chlorpyrifos	Pesticide	2003, 1433	2003
Cotinine	Wastewater indicator	1433, 2080	2080
Diazinon	Pesticide	2003, 1433	2003
1,4-Dichlorobenzene	VOC, pesticide	2020, 1433	2020
Dichlorvos	Pesticide	1433, 2003	2003
Diisopropyl ether	VOC, gasoline oxygenate	2020, 4024	2020
Ethyl <i>tert</i> -Butyl ether (ETBE)	VOC, gasoline oxygenate	2020, 4024	2020
Isopropylbenzene	VOC	2020, 1433	2020
Metalaxyl	Pesticide	2003, 1433	2003
Methyl <i>tert</i> -butyl ether (MTBE)	VOC, gasoline oxygenate	2020, 4024	2020
Methyl <i>tert</i> -pentyl ether	VOC, gasoline oxygenate	2020, 4024	2020
Metolachlor	Pesticide	2003, 1433	2003
Naphthalene	VOC	2020, 1433	2020
Prometon	Pesticide	2003, 1433	2003
Tetrachloroethene (PCE)	VOC	2020, 1433	2020
Results from both methods reported			
Alkalinity	Water-quality indicator	1948, field	field
Arsenic, total	Trace element	1948, TML	1948
Chromium, total	Trace element	1948, TML	1948
Iron, total	Trace element	1948, TML	1948
pH	Water-quality indicator	1948, field	field
Specific conductance	Water-quality indicator	1948, field	field
1,2,3-Trichloropropane (1,2,3-TCP)	VOC	2020, MWH	MWH
Tritium	Radioactive	LLNL, SITL	both