

**Table A4A.** Quality-control summary for replicate analyses of organic constituents detected in samples collected for the Southern Sierra Groundwater Ambient Monitoring and Assessment (GAMA) study, California, June 2006.

[RSD, relative standard deviation in percent; nd, not detected; µg/L, micrograms per liter]

Constituent	Number of RSDs greater than zero/ number of replicates	Maximum RSD (percent)	Median RSD (percent)	Concentrations for replicates with RSD greater than zero (environmental/replicate) (µg/L)
Volatile organic compounds and gasoline oxygenates (Schedules 2020 and 4204)				
Chloroform	0/5	0	0	
1,2-Dichlorobenzene	0/5	0	0	
<i>cis</i> -1,2-Dichloroethene	0/5	0	0	
1,2-Dichloropropane	0/5	0	0	
Methyl <i>tert</i> -butyl ether (MTBE)	0/5	0	0	
Tetrachloroethene (PCE)	1/5	3	0	(0.23, 0.24)
Tetrachloromethane	0/5	0	0	
Toluene	0/5	0	0	
Trichloroethene (TCE)	0/5	0	0	
Trichlorofluoromethane	0/5	0	0	
1,1,2-Trichloro-1,2,2-trifluoroethane (CFC-113)	0/5	0	0	
Pesticides and pesticide degradates (Schedule 2003)				
Atrazine	0/8	0	0	
Deethylatrazine	0/8	0	0	
Fipronil sulfide	0/8	0	0	
Prometon	0/8	0	0	
Simazine	0/8	0	0	
Pharmaceuticals (Schedule 2080)				
Acetaminophen	1/8	99	0	(nd, 0.034)
Caffeine	0/8	0	0	
Carbamazepine	0/8	0	0	
Sulfamethoxazole	0/8	0	0	
Constituents of Special Interest				
Perchlorate	2/5	23	0.0	(0.92, 0.66), (0.69, 0.77)
1,2,3 - Trichloropropane	0/3	0.0	0.0	
<i>N</i> -Nitrosodimethylamine	0/3	0.0	0.0	