

Table 9. Nutrients and dissolved organic carbon detected in samples collected for the Southern Sierra Groundwater Ambient Monitoring and Assessment (GAMA) study, California, June 2006.

[The five-digit number in parentheses below the constituent name is the U.S. Geological Survey parameter code used to uniquely identify a specific constituent or property. Samples from the twenty-two slow and intermediate wells were analyzed. Information about analytes given in [table 3G](#). SOSA, Southern Sierra study unit grid well; SOSAFP, Southern Sierra study unit flow-path well; HAL-US, U.S. Environmental Protection Agency Lifetime Health Advisory; MCL-US, U.S. Environmental Protection Agency maximum contaminant level; E, estimated value; LRL, laboratory reporting level; mg/L, milligram per liter; na, not available; V, analyte detected in sample and an associated blank thus data are not included in ground-water quality assessment; —, not detected]

GAMA well identification number	Ammonia, as nitrogen (mg/L) (00608)	Nitrite plus nitrate, as nitrogen (mg/L) (00631)	Nitrite, as nitrogen (mg/L) (00613)	Total nitrogen (nitrate + nitrite + ammonia + organic-nitrogen) as nitrogen (mg/L) (62854)	Phosphorous, as orthophosphate (mg/L) (00671)	Dissolved organic carbon (DOC) (mg/L) (00681)
	HAL-US	MCL-US	MCL-US	na	na	na
Threshold level	30	10	1	na	na	na
LRL	0.01	0.06	0.002	0.06	0.006	0.33
Grid wells						
SOSA-03	—	5.10	—	² 4.88	0.055	0.4
SOSA-07	0.040	0.07	E0.002	0.15	0.062	1.4
SOSA-10	0.013	0.93	E0.001	0.96	0.054	0.7
SOSA-13	E0.006	6.28	—	6.53	0.029	V0.3
SOSA-15	E0.006	0.10	—	0.11	0.025	0.4
SOSA-22	—	0.47	—	0.49	0.068	0.8
SOSA-35	0.112	0.06	—	0.11	0.129	na
Flow-path wells						
SOSAFP-01	E0.006	9.02	—	² 8.50	0.040	V0.2
SOSAFP-02	0.081	—	—	0.09	0.014	0.7
SOSAFP-03	—	4.08	—	² 3.91	0.026	V0.2
SOSAFP-04	—	5.48	—	² 5.38	0.031	0.4
SOSAFP-05	E0.007	1.75	—	1.89	0.021	V0.2
SOSAFP-06	—	7.21	—	7.93	0.038	V0.3
SOSAFP-07	—	5.66	—	5.85	0.112	V0.3
SOSAFP-08	E0.006	3.86	—	4.01	0.080	0.4
SOSAFP-09	E0.006	8.08	—	9.03	0.078	0.6
SOSAFP-10	E0.009	3.31	—	3.42	0.093	V0.3
SOSAFP-11	E0.008	2.20	E0.001	2.27	0.058	0.5
SOSAFP-12	E0.007	3.38	E0.002	3.48	0.055	V0.3
SOSAFP-13	E0.007	4.27	E0.002	4.34	0.039	V0.3
SOSAFP-14	—	5.44	—	² 5.31	0.035	0.4
SOSAFP-15	E0.006	6.17	—	6.29	0.066	0.5

¹Maximum contaminant level thresholds are listed as MCL-US when the MCL-US and MCL-CA are identical, and as MCL-CA when the MCL-CA is lower than the MCL-US or no MCL-US exists.

²Total nitrogen in these samples is less than the sum of the filtered nitrogen analytes, but falls within the U.S. Geological Survey National Water Quality Laboratory acceptance criteria of a 10 percent relative percent difference.