

Table 13. Nutrient constituents detected in ground-water samples collected in the Southern Sacramento Valley Ground-Water Ambient Monitoring and Assessment (GAMA) study unit, California, 2005.

[The five digit USGS parameter code is used in the USGS's computerized data system, the National Water Information System, to uniquely identify a specific constituent or property. An asterisk (*) in front of a number in the table indicates a concentration higher than the threshold. "DD" following a site area name in the first column indicates "depth dependent." "FP" following a site area name in the first column indicates "flowpath." E, estimated value; GAMA, Ground-Water Ambient Monitoring and Assessment; mg/L, milligram per liter; N, nitrogen; na, not available; MCL-US, U.S. Environmental Protection Agency Maximum Contaminant Level; NAM, North American; QPC, Uplands; SAM, South American; SOL, Solano; SUI, Suisun-Fairfield; USGS, U.S. Geological Survey; YOL, Yolo; V, analyte was detected in both the environmental sample and the associated blanks, and is considered not detected; —, not detected]

GAMA sample identification number	Ammonia, dissolved as nitrogen (mg/L)	Nitrate, dissolved as nitrogen (mg/L)	Orthophosphate, dissolved (mg/L)	Total nitrogen (nitrate + nitrite + ammonia + organic-N), dissolved as nitrogen (mg/L)
USGS parameter code	00608		00671	62854
Reporting level	0.04	0.06	0.006	0.06
Threshold	na	10	na	10
Threshold type	na	MCL-US	na	MCL-US
Grid wells				
NAM-01	0.13	—	0.251	0.15
NAM-02	—	1.35	0.032	1.43
NAM-05	—	1.33	0.025	1.34
NAM-06	0.08	—	0.125	0.11
NAM-08	—	3.27	0.094	3.18
QPC-02	—	2.57	0.058	2.56
QPC-05	—	0.83	0.052	0.94
QPC-06	—	3.71	0.097	3.55
QPC-07	—	1.80	0.084	1.79
QPC-08	—	3.31	0.091	3.13
QPC-09	—	1.67	0.118	1.69
SAM-02	—	2.8	0.064	2.87
SAM-03	0.07	—	0.218	0.12
SAM-07	—	3.54	0.025	3.54
SAM-11	—	1.12	0.050	1.09
SOL-01	—	0.58	0.123	0.58
SOL-03	—	1.57	0.023	1.69
SOL-06	0.07	—	0.225	0.16
SUI-01	—	9.40	0.043	8.99
SUI-02	0.54	—	0.084	0.55
YOL-02	—	*18.6	0.108	19.10
YOL-03	—	0.32	0.052	0.32
YOL-04	—	3.43	0.045	3.23
YOL-06	0.06	0.51	0.169	0.55
YOL-08	0.10	—	0.127	0.12
YOL-09	—	—	0.219	—
YOL-13	—	1.09	0.055	1.11
YOL-14	0.08	—	0.027	0.09

Table 13. Nutrient constituents detected in ground-water samples collected in the Southern Sacramento Valley Ground-Water Ambient Monitoring and Assessment (GAMA) study unit, California, 2005—Continued.

[The five digit USGS parameter code is used in the USGS's computerized data system, the National Water Information System, to uniquely identify a specific constituent or property. An asterisk (*) in front of a number in the table indicates a concentration higher than the threshold. "DD" following a site area name in the first column indicates "depth dependent." "FP" following a site area name in the first column indicates "flowpath." E, estimated value; GAMA, Ground-Water Ambient Monitoring and Assessment; mg/L, milligram per liter; N, nitrogen; na, not available; MCL-US, U.S. Environmental Protection Agency Maximum Contaminant Level; NAM, North American; QPC, Uplands; SAM, South American; SOL, Solano; SUI, Suisun-Fairfield; USGS, U.S. Geological Survey; YOL, Yolo; v, analyte was detected in both the environmental sample and the associated blanks, and is considered not detected; —, not detected]

GAMA sample identification number	Ammonia, dissolved as nitrogen (mg/L)	Nitrate, dissolved as nitrogen (mg/L)	Orthophosphate, dissolved (mg/L)	Total nitrogen (nitrate + nitrite + ammonia + organic-N), dissolved as nitrogen (mg/L)
USGS parameter code	00608		00671	62854
Reporting level	0.04	0.06	0.006	0.06
Threshold	na	10	na	10
Threshold type	na	MCL-US	na	MCL-US
Nongrid wells				
QPCFP-01	—	1.26	0.095	1.32
QPCFP-02	—	2.15	0.108	2.11
QPCFP-03	—	1.14	0.095	1.12
QPCFP-04	—	1.52	0.096	1.51
NAMFP-05	0.09	—	0.049	0.08
NAMFP-06	0.07	—	0.092	0.07
NAMFP-07	0.09	—	0.300	0.1
NAMFP-08	0.09	—	0.291	0.11
NAMFP-09	0.05	—	0.093	E0.05
NAMFP-10	E0.02	—	0.213	—
YOLFP-12	—	1.02	0.059	1.03
YOLFP-13	—	6.97	0.085	7.17
YOLFP-14	—	5.80	0.019	5.87
YOLFP-15	—	3.53	0.018	3.55
NAMFP-16	—	0.34	0.033	0.35
Depth-dependent samples				
NAMDD-01	—	—	0.042	—
NAMDD-02	—	—	—	V
NAMDD-03	E0.02	—	E0.005	1.56
NAMDD-04	—	0.15	0.032	0.27