

Table 3F. Major ions and trace inorganic constituents measured in ground-water samples 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. CAS, Chemical Abstracts Service; GAMA, Ground-Water Ambient Monitoring and Assessment; HA-L, lifetime health advisory; MCL-CA, California Department of Health Services Maximum Contaminant Level; MCL-US, U.S. Environmental Protection Agency Maximum Contaminant Level; MRL, Minimum Reporting Level; na, not available; NL, notification level; SMCL, Secondary Maximum Contaminant Level; USGS, U.S. Geological Survey; V, analyte was detected in both the environmental sample and the associated blanks, and is considered not detected]

Constituent	Detected in ground-water samples in this study	USGS parameter code	CAS number	MRL	Threshold	Threshold type
Major ions, reported in milligrams per liter						
Bromide	yes	71870	24959-67-9	0.02	na	na
Calcium	yes	00915	7440-70-2	0.02	na	na
Chloride	yes	00940	16887-00-6	0.2	250	SMCL-CA
Iodide	yes	78165	20461-54-5	0.004	na	na
Magnesium	yes	00925	7439-95-4	0.008	na	na
Potassium	yes	00935	2023695	0.16	na	na
Silica	yes	00955	7631-86-9	0.04	na	na
Sodium	yes	00930	7440-23-5	0.2	na	na
Sulfate	yes	00945	14808-79-8	0.18	250	SMCL-CA
Trace elements, reported in micrograms per liter						
Aluminum	yes	01106	7429-90-5	1.6	1,000	MCL-CA
Antimony	yes	01095	7440-36-0	0.2	6	MCL-US
Arsenic	yes	01000	7440-38-2	0.2	10	MCL-US
Barium	yes	01005	7440-39-3	0.2	1,000	MCL-CA
Beryllium	yes	01010	7440-41-7	0.06	4	MCL-US
Boron	yes	01020	7440-42-8	8	1,000	NL
Cadmium	yes	01025	7440-43-9	0.04	5	MCL-US
Chromium	yes	01030	7440-47-3	0.8	50	MCL-CA
Cobalt	yes	01035	7440-48-4	0.014	na	na
Copper	yes	01040	7440-50-8	0.4	1,300	MCL-US
Fluoride	yes	00950	16984-48-8	0.1	2	MCL-CA
Iron	yes	01046	7439-89-6	6	300	SMCL-US
Lead	V	01049	7439-92-1	0.08	15	MCL-US
Lithium	yes	01130	7439-93-2	0.6	na	na
Manganese	yes	01056	7439-96-5	0.2	50	SMCL-US
Mercury	yes	71890	7439-97-6	0.01	2	MCL-US
Molybdenum	yes	01060	7439-98-7	0.4	40	HA-L
Nickel	yes	01065	7440-02-0	0.06	100	MCL-CA
Selenium	yes	01145	7782-49-2	0.4	50	MCL-US
Silver	yes	01075	7440-22-4	0.2	100	SMCL-US
Strontium	yes	01080	7440-24-6	0.4	4,000	HA-L
Thallium	yes	01057	7440-28-0	0.04	2	MCL-US
Tungsten	yes	01155	7440-33-7	0.5	na	na
Uranium	yes	22703	7440-61-1	0.04	30	MCL-US
Vanadium	yes	01085	7440-62-2	0.14	50	NL
Zinc	yes	01090	7440-66-6	0.6	2,000	HA-L