

Table 14. Radioactive constituents 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. Analyses made by Eberline Services (laboratory entity code CA-EBRL). Information about analytes given in [table 3J](#). Samples from the seven slow wells were analyzed. SOSA, Southern Sierra study unit grid well; SOSAFP, Southern Sierra study unit flow-path well; MCL-CA, California Department of Public Health maximum contaminant level; MCL-US, U.S. Environmental Protection Agency maximum contaminant level; E, estimated value; pCi/L, picocuries per liter; V, analyte detected in sample and an associated blank thus data are not included in ground-water quality assessment; <, less than]

GAMA well identification number	Radium-226 (pCi/L) (09511)	Radium-228 (pCi/L) (81366)	Radon-222 (pCi/L) (82303)	Alpha radioactivity, 72-hour count (pCi/L) (62636)	Alpha radioactivity, 30-day count (pCi/L) (62639)	Beta radioactivity, 72-hour count (pCi/L) (62642)	Beta radioactivity, 30-day count (pCi/L) (62645)
Threshold type¹	MCL-US	MCL-US	proposed MCL-US	MCL-US	MCL-US	MCL-CA	MCL-CA
Threshold value	²5	²5	³300(4,000)	15	15	50	50
SOSA-03	0.15	E0.34	*E1,670	E2.6	E2.1	E3.9	E3.7
SOSA-07	0.084	E0.45	*2,240	<2.4	<2.2	E1.8	E2.4
SOSA-10	0.24	0.69	*1,480	E3.3	E2.1	E2.7	E2.3
SOSA-13	VE0.019	<0.46	250	E1.1	<3.6	<1.9	<2.9
SOSAFP-02	0.72	1.1	**4,670	11.8	E5.9	7.4	8.9
SOSAFP-05	E0.053	<0.44	E290	E0.7	<2.0	E1.6	<2.5
SOSAFP-06	E0.034	<0.59	210	E1.2	E2.5	<1.2	<2.9

*Value above lower threshold level.

**Value above upper threshold level.

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.

²The MCL-US threshold for radium is the sum of radium-226 and radium-228.

³Two MCLs have been proposed for Radon-222. The proposed Alternative MCL is in parentheses.