

Table 3H. Tritium and noble gases measured in ground-water samples from the Southern Sacramento Valley Ground-Water Ambient Monitoring and Assessment (GAMA) study unit, California, 2005, and analyzed by the Lawrence Livermore National Laboratory.

[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; cm³STP/g, cubic centimeter of gas at standard temperature and pressure per gram of water; GAMA, Ground-Water Ambient Monitoring and Assessment; MCL-US, U.S. Environmental Protection Agency Maximum Contaminant Level; MU, method uncertainty; na, not available; pCi/L, picocuries per liter; USGS, U.S. Geological Survey]

Constituent	Detected in ground-water samples in this study	USGS parameter code	CAS number	MU (percent)	Threshold	Threshold type	Reporting units
Argon	yes	85563	7440-37-1	2	na	na	cm ³ STP/g
Helium-3/helium-4	yes	61040	na/7440-59-7	0.75	na	na	atom ratio
Helium-4	yes	85561	7440-59-7	2	na	na	cm ³ STP/g
Krypton	yes	85565	7439-90-9	2	na	na	cm ³ STP/g
Neon	yes	61046	7440-01-09	2	na	na	cm ³ STP/g
Tritium	yes	07000	10028-17-8	1	20,000	MCL-US	pCi/L
Xenon	yes	85567	7440-63-3	2	na	na	cm ³ STP/g