

Table 3K. Noble gases and tritium, comparison thresholds, and reporting information for the Lawrence Livermore National Laboratory.

[The five-digit USGS parameter code is used to uniquely identify a specific constituent or property. The laboratory entity code for the Lawrence Livermore National Laboratory in the USGS National Water Information System (NWIS) is CA-LLNL. CAS, Chemical Abstract Service; MU, method uncertainty; MCL-CA, California Department of Public Health maximum contaminant level; na, not available; cm³ STP/g, cubic centimeters of gas at standard temperature and pressure per gram of water; pCi/L, picocuries per liter; D, detected in ground-water samples]

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

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.