

Table 2I. Isotopic and radioactive constituents, U.S. Geological Survey (USGS) parameter code, Chemical Abstract Service (CAS) number, reporting level type, reporting level or uncertainty, type of comparison threshold for ground-water detections, and the corresponding threshold value.

[The five-digit USGS parameter code is used to uniquely identify a specific constituent or property; MCL-CA, California Department of Health Services maximum contaminant level; MCL-US, U.S. Environmental Protection Agency maximum contaminant level; δ , notation, in per mil, of the differences in oxygen-18/oxygen-16 and hydrogen-2/hydrogen-1 ratios relative to Standard Mean Ocean Water (SMOW), and the difference in the carbon-13/carbon-12 ratio relative to University of Chicago Peedee Formation Standard; MRL, minimum reporting level; MU, method uncertainty; na, not available; pCi/L, picocuries per liter; SSMDC, sample specific minimum detectable concentration]

Constituent	USGS parameter code	CAS number	Reporting level type	Reporting level or uncertainty	Comparison type	Threshold value	Reporting units
Radon-222	82303	14859-67-7	SSMDC	see Table 19	Proposed MCL-US	300	pCi/L
Tritium ¹	07000	10028-17-8	MRL	1	MCL-CA	20,000	pCi/L
$\delta^2\text{H}$ of water ²	82082	na	MU	2	na	na	Per mil
$\delta^{18}\text{O}$ of water ²	82085	na	MU	0.20	na	na	Per mil
Gross-alpha radioactivity, 72 hr count ³	62636	12587-46-1	SSMDC	see Table 19	MCL-US	15	pCi/L
Gross-alpha radioactivity, 30 day count ³	62639	12587-46-1	SSMDC	see Table 19	MCL-US	15	pCi/L
Gross-beta radioactivity, 72 hr count ³	62642	12587-47-2	SSMDC	see Table 19	MCL-CA	50	pCi/L
Gross-beta radioactivity, 30 day count ³	62645	12587-47-2	SSMDC	see Table 19	MCL-CA	50	pCi/L
Radium-226 ³	09511	13982-63-3	SSMDC	see Table 19	MCL-US ⁶	5	pCi/L
Radium-228 ³	81366	15262-20-1	SSMDC	see Table 19	MCL-US ⁶	5	pCi/L
$\delta^{13}\text{C}$ of dissolved carbonates ⁴	82081	na	1 sigma	0.05	na	na	Per mil
Carbon-14 ⁵	49933	14762-75-5	1 sigma	0.002	na	na	Percent modern carbon

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²USGS Stable Isotope Laboratory, Reston, Virginia.

³Eberline Analytical Services, Richmond, California.

⁴University of Waterloo, Ontario, Canada.

⁵University of Arizona, Accelerator Mass Spectrometry Laboratory, Tucson, Arizona.

⁶The MCL-US threshold for radium is the sum of radium-226 and radium-228.