

Bureau of Mining Regulation and Reclamation

Analyte List for Profile R

Radiological

Constituent/Parameter	Field Filter	Analytical Method ⁽¹⁾	Reporting Limit ⁽²⁾	Reporting Units
Gross Alpha ⁽³⁾	No	EPA 900.0		pCi/L ⁽⁴⁾
Adjusted Gross Alpha	NA	Calculated		pCi/L
Radium 226	No	EPA 903.0		pCi/L
Radium 228	No	EPA 904.0		pCi/L
Radium 226+228	NA	Calculated		pCi/L

Footnotes:

- (1) The provided list is the most common analytical methods used for the constituents. A full list of methods can be found in 40 CFR Part 136 Table 1B. Verify if the method is certified by the State of Nevada, Bureau of Safe Drinking Water, Lab Certification Program.
- (2) Samples requiring dilution may result in higher reporting limits for the respective parameter.
- (3) If the sample is known, or suspected, to have total dissolved solids greater than 1,000 mg/L, the sample shall be analyzed for gross alpha using the co-precipitation method, EPA 00-02. Additionally, if the standard deviation (SD) of the adjusted gross alpha analysis is greater than or equal to 15 pCi/L, the sample shall be analyzed, in the subsequent quarter, for gross alpha using the co-precipitation method, EPA 00-02.
- (4) pCi/L = picocuries per liter.

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