

Method 252.2: Osmium (Atomic Absorption, Furnace Technique)

- 6.1 Osmium tetroxide, the usual commercial form, is very volatile and highly toxic. Care should be exercised when working with this compound.
- 6.2 The above concentration values and instrument conditions are for a Perkin-Elmer HGA- 2100, based on the use of a 20 uL injection, continuous flow purge gas and non-pyrolytic graphite.
- 6.3 Since OsO₄ volatilizes near 150°C, the allowable ashing temperature must be verified in the sample matrix being analyzed.
- 6.4 The use of background correction is recommended.
- 6.5 For every sample matrix analyzed, verification is necessary to determine that method of standard addition is not required (see part 5.2.1 of the Atomic Absorption Methods section of this manual).
- 6.6 If method of standard addition is required, follow the procedure given earlier in part 8.5 of the Atomic Absorption Methods section of this manual.

7.0 Precision and Accuracy

- 7.1 Precision and accuracy data are not available at this time.