# Method 8 - Selenium

**Sample Weight: 0.5 g**

## Summary

Selenium is determined by hydride generation atomic absorption spectrometry (HGAAS). The sample is digested in a Teflon vessel with hot hydrochloric, nitric, hydrofluoric and perchloric acids. The sample solution is reduced with a sodium borohydride solution to generate a volatile hydride for analysis.

## Method 8 Reporting Limits

The reporting limit range for Selenium is 0.5 ppm to 300 ppm.

## Analytical Performance

Data for Selenium will be deemed acceptable if recovery is ±20% at five times the LOD and the calculated percent RSD of duplicate samples is no greater than 20%.