

### GLI Method Summary

### **Sodium Hydroxide Fusion**

**Governing SOP:** G-56G Rev 7

**Analyte:** Various

**Range:** ppm-%

<b>Procedure</b>	Weigh sample into Zr crucible and add approximately 1 gram of NaOH (at least 10:1 ratio). Mix well and heat over a Bunsen burner until the mixture becomes a smooth liquid. Cool crucible and place in a beaker. Cover with deionized water and concentrated HCl. Heat on a hotplate until the solution becomes clear. Transfer to a volumetric flask and fill to the mark with deionized water.
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### Reference

R. Bock, *Decomposition Methods in Analytical Chemistry*, T. & A. Constable Ltd., Edinburgh 1979.