

GLI Method Summary

Lithium Borate Fusion

Governing SOP: G-56D Rev 8

Analyte: Various

Range: %

Procedure	Samples are mixed with an appropriate amount of lithium meta/tetra borate flux and fused at 1000°C in a platinum crucible. The resulting melt is dissolved in a dilute nitric acid quenching solution. The solution is brought to volume and is ready to be analyzed.
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References

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

ASTM D4503 (11.04), *Standard Practice for Dissolution of Solid Waste by Lithium Metaborate Fusion*, 1992.

ASTM D4698 (11.02), *Standard Practice for Total Digestion of Sediment Samples for Chemical Analysis of Various Metals*, 1992.