## GLI Method Summary

### Solvent Dissolution

**Governing SOP:** G-35D  
**Analyte:** All  
**Range:** N/A

<table>
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<th>Procedure</th>
<th>This method is applicable to samples and analytes that are soluble in a specific solvent system.</th>
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<td>Instrument</td>
<td>Analytical balance</td>
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<td>Sample Intro</td>
<td>Direct for solids, pipet (Class A) for liquids</td>
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<td>Determination</td>
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</table>
**Example calculation for mass-mass dissolutions:**  
\[
\text{Dilution Factor} = \frac{\text{Total Mass of the Final Solution (g)}}{\text{Mass of Sample or Standard (g)}}
\]

Where,

\[
\text{Mass of the Sample or Standard (g) + Mass of the Solvent (g) + Mass of the Solvent (g)}
\]

**Example calculation for mass-volume dissolutions:**  
\[
\text{Standard Concentration (µg/mL)} = \frac{\text{Mass of the Standard (µg)}}{\text{Final Volume of the Solution (mL)}}
\]

### References

USP 27/NF 22, General Chapter <851> Spectrophotometry and Light-Scattering, USPC © 2003.

USP 27/NF 22 Monograph, Calcium Acetate, USPC © 2003.


