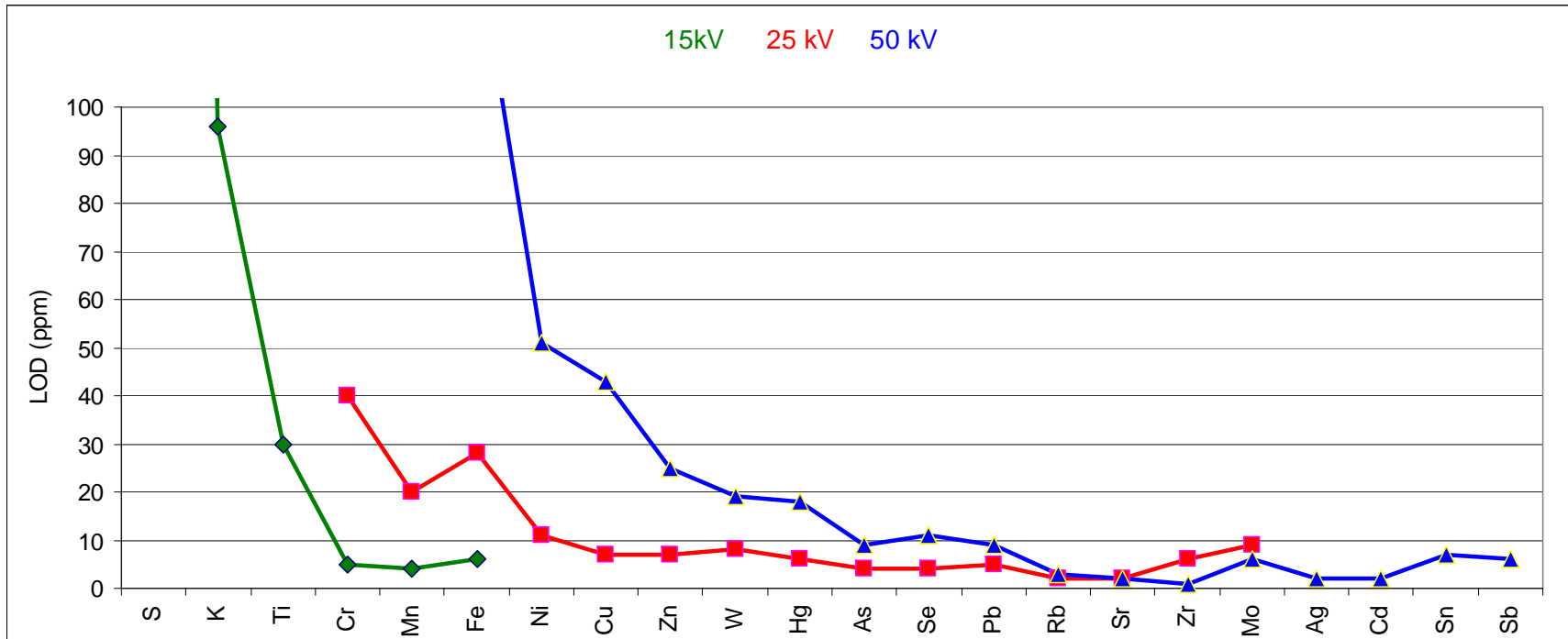


X-50 SiO₂ Matrix Limits of Detection



Limits of detection (LOD's) are based on 120 second test time per hardware condition (3 conditions), homogeneous loose powder. LOD's are based on 99.7% (3 Sigma) confidence levels. LOD's for Soil and Low-density Geological matrices depend on:

- Sample preparation
- Sample matrix
- Interfering elements
- Testing time
- Statistical confidence level
- Test conditions; Tube anode, voltage, current, primary beam filter (if applied)

Please note that LOD's are presented as a guideline. Actual performance depends on Sample Matrix. Please contact Innov-X Systems to discuss your analytical needs.