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SUPPLEMENTARY INFORMATION

Sample-in-waveguide geometry for TXRF sensitivity improvement

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Figure 1S. Optimization of the distance between waveguide layers. Standard deviations (n=3) did not exceed 0.15 SNR.



Figure 2S. Evolution of background (circles) and signal (squares) for vanadium (K α , K β) line of 0.5 μ g/L vanadium solution.



Figure 3S. Optimization of the incident radiation angle. Standard deviations (n=3) did not exceed 0.15 SNR.