

# Uncertainty Calculation in GammaVision and LVis

## Total Uncertainty Estimate

## Peak Counting Uncertainty

### Peaked Background Correction and Uncertainty Calculations

Single PBC Subtraction

Multiple PBC Subtraction

## Addition normally distributed Uncertainty Estimate

## Random Summing Correction Uncertainty Estimate

## Absorption Correction Uncertainty Estimate

## Nuclide Uncertainty Estimate

## Efficiency Uncertainty Estimate

### Calibration Counting Uncertainty

### Calibration Fit Uncertainty

TCC-Polynomial

Interpolative

Matrix Solution

**Matrix Inversion**

**Uncertainty of the Fit**

**Geometry Uncertainty Estimate**

**Uniformly distributed Uncertainty Estimate**

**Additional user-defined Uncertainty Factors**

**Sample Size Uncertainty**

**Average Nuclide Activity**

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