Estimated Detection Limit

For analyte 'x', the EDL is calculated by the following formula:

$$EDL_x = 2.5 \bullet \frac{(Na \bullet Qis \bullet Rah)}{(Ais \bullet RRF \bullet wv)}$$

Where: Na=   Analyte peak to peak noise height.
     Qis=   Concentration of the internal standard
     Rah=   Area Height Ratio.
     Ais=   Area of internal standard
     RRF= initial calibration average relative response factor for the congener of interest.
     wv=   Sample weight/volume.
     2.5=   Minimum signal to noise ratio.

Noise calculations are to be taken from the discrete sections of the chromatogram rather than the entire chromatograph for a mass descriptor.
No peak smoothing of the chromatograph is to be undertaken. Peak identification to be conducted on the raw chromatograph.