KEEP THE LIMIT WITH THE RESULT

Sampling capability determines what a low value can support

MEASURED VALUE

$$C \quad \frac{V \times D}{R \times A}$$

$\downarrow$

ng/cm²

REPORTING BOUNDARY

< LOQ

$\downarrow$

< boundary in ng/cm²

Retain the method, area and correction basis.

A boundary above the limit cannot demonstrate compliance.

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01 Keep sampling separate

Define sample ID, area, material, device, solvent, extraction, storage and method. A cleaning wipe is not automatically a sampling device.

02 Check capability

Retain LOD, LOQ, dilution and the approved recovery basis. Assess chemical blanks and biological interference controls as applicable.

03 Interpret before disposition

Report <LOD or <LOQ with its limit. Do not use zero in summaries. Compare the reporting boundary with the approved limit.

A completed template or calculated value is not an equipment release.

Sources: Whitepaper [2,24,27]. Illustrations are schematic.