# KEEP THE LIMIT WITH THE RESULT

Sampling capability determines what a low value can support

**MEASURED VALUE**

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

**ng/cm²**

**REPORTING BOUNDARY**

**< LOQ**

**< 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.