**Sampling Protocol for Methamphetamine Residue**

Materials needed:

1. 3” x 3” 12-ply cotton gauze
2. Methanol - High resolution gas chromatography grade
3. Cardstock or a Teflon® sheet - Single-use disposable
4. 40 ml VOC vial with septum closure
5. Latex or Nitrile gloves

Sampling procedure:

* A rigid template (10 cm x 10 cm square cutout) is made from the cardstock or Teflon® sheet to ensure that a constant area is wiped. A single-use cardstock or Teflon® sheet is required to eliminate cross-contamination when taking multiple samples.
* A new pair of Latex or Nitrile gloves must be used for each sample to avoid cross-contamination.
* The 3” x 3” 12-ply cotton gauze is wetted with Methanol (about 3-5 ml) on-site. Before wiping, squeeze out and discard any excess Methanol from the gauze.
* The testing area (100 cm²) is wiped using one of the techniques described below. (concentric or side-to-side)
* The 3” x 3” 12-ply cotton gauze is then inserted into the sample container (40 ml vial).
* The sample container is securely capped and kept refrigerated (<6°C). Refrigeration is recommended as soon as possible.
* An unused sample of the Methanol-wetted cotton gauze should be placed in a separate sample container and submitted with every set of samples, along with a completed chain of custody form.
* Samples may be shipped or hand-delivered to:

Indiana State Department of Health

Chemistry Laboratories

550 W. 16th Street, Suite B

Indianapolis, In 46202

**Concentric wiping technique:For smooth and non-porous surfaces**

Fold the pre-wetted gauze in half and then fold it in half again. Using firm pressure, wipe the area within the template. Start at one of the inside corners of the template and wipe in concentric squares, progressing toward the center. End with a scooping motion. Without allowing the gauze to touch any other surface, reverse the last fold so that the exposed side of the gauze is facing inward and using a fresh surface of the gauze, wipe the same area in the same manner as above. Roll or fold the gauze and insert into the sample container.

**Side-to-side wiping technique: For rough, porous, or soiled surfaces**

Fold the pre-wetted gauze in half and then fold in half again. Using firm pressure, wipe the area within the template with at least five overlapping side-to-side horizontal passes beginning at the top and progressing to the bottom in a “Z” pattern. End with a scooping motion. Roll and fold the gauze and insert into the sample container.