



Tape Lift-off Sample Collection Method

Items you will need:

- ✦ A piece of paper or index card.
- ✦ A pen or marker.
- ✦ Packing tape (for the base layer covering the paper).
- ✦ Clear tape (e.g. Scotch Magic Tape) for collecting the sample.

Difficulty: **Very Easy.**

How to sample for fine, sub-micron industrial soot material (Wildfire soot/smoke, home heating oil soot, candle, natural gas, burnt dust debris, propane, diesel, coal fly ash, wood soot) **as well as standard dust particles** (cellulose fibers, pollens, skin scales, mineral grains, etc.):

1. Step One – Prepare paper:

Adhere a base layer of packing tape onto a fresh piece of paper or index card. **[Important!]**



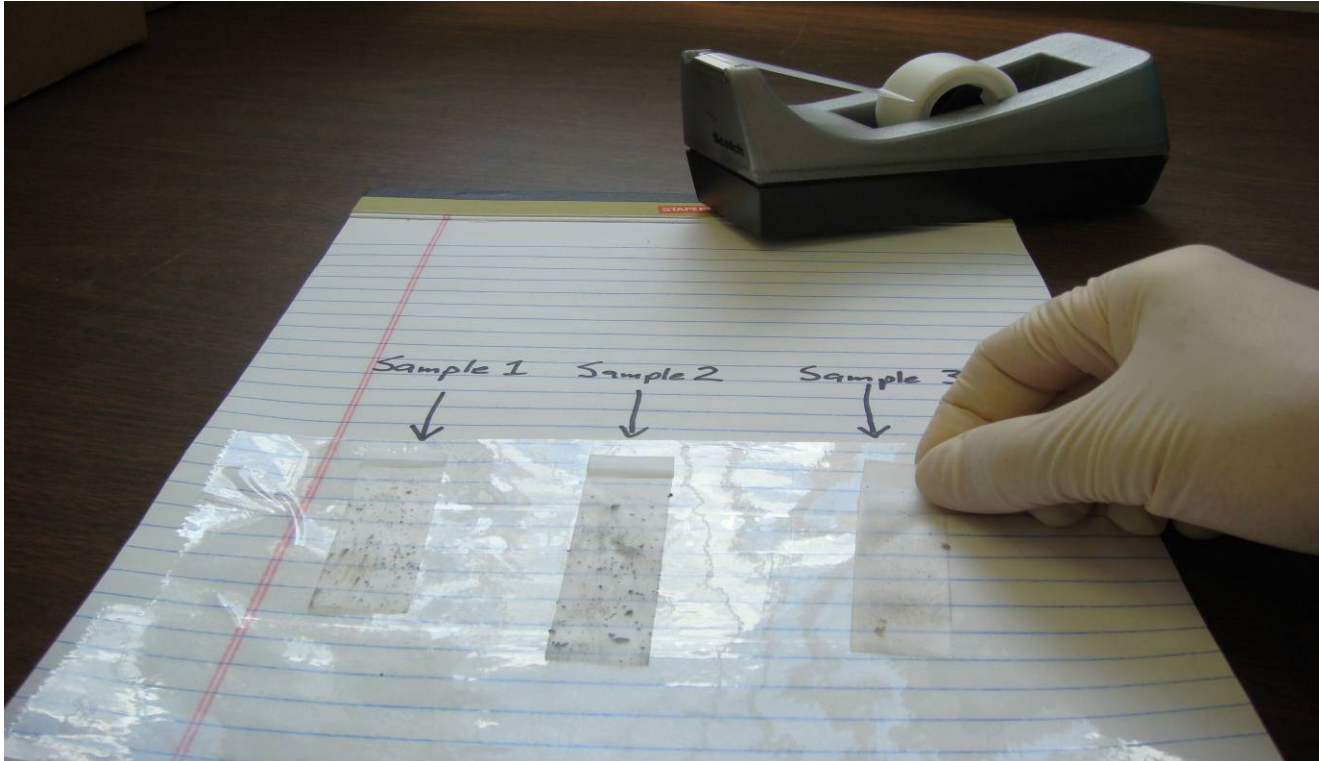
2. **Step Two – Sampling:** Using a four inch strip of clear Scotch Magic Tape, lightly press (sticky side down) onto the area to be sampled, and lift off of surface to avoid smearing. *Collect a heavy load. Collection may be done indoors or outdoors. If possible, possible put a small courtesy tab on one end of the tape (fold the tape back onto itself).* **Important:** *Avoid contaminating the tape with finger oils or fingerprints.*



If available, submit a “source control” (i.e. soot directly off of your oil burner, etc.) for comparison with the suspect sample material.

3. **Step Three – Adhere**

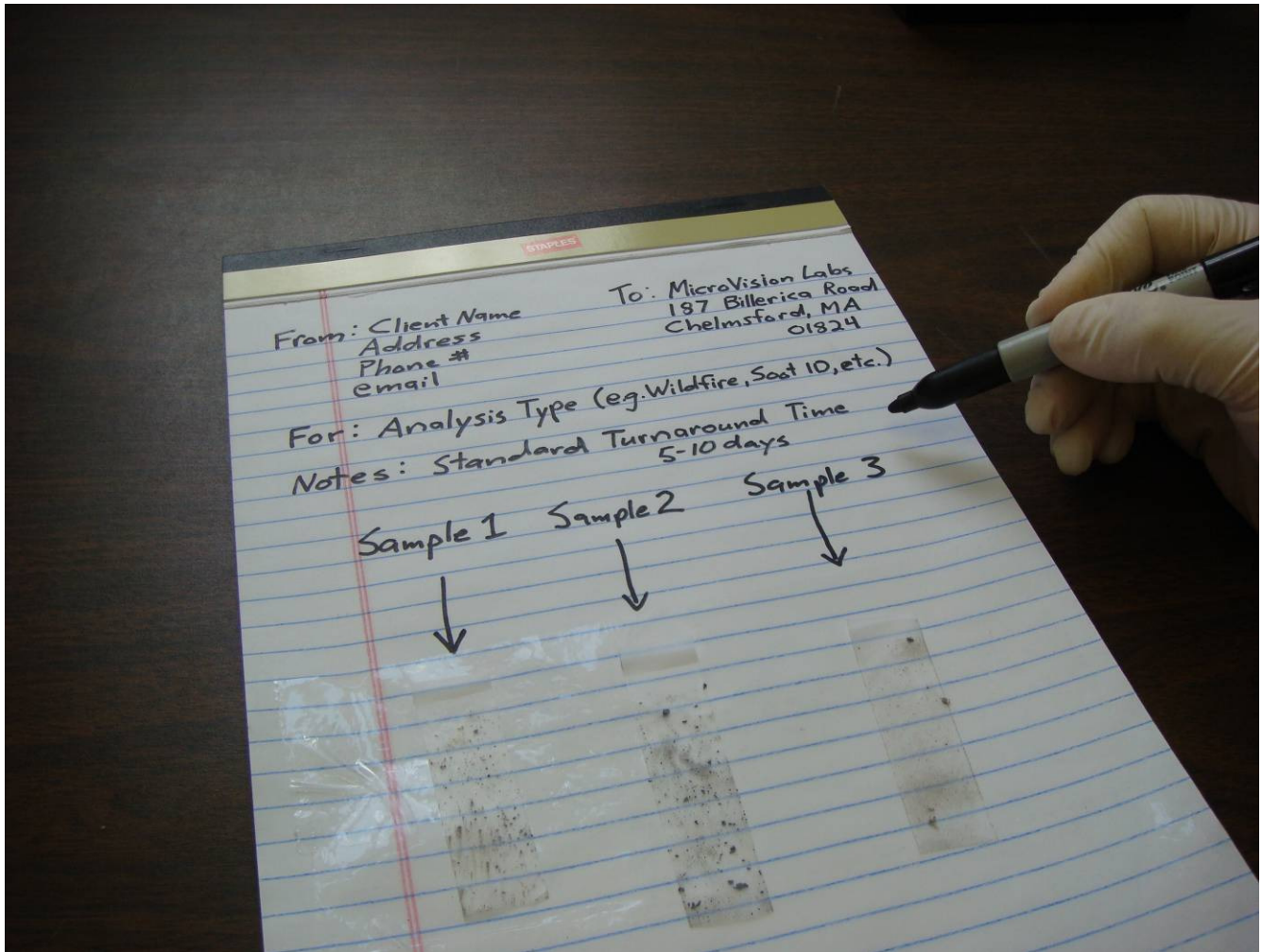
sample(s): Stick your tape lift-off(s) onto the base layer of packing tape on the paper.



- ▲ **Step Four – Label & Ship:** Label the samples, provide your contact information, indicate the type of analysis to be performed, and mail in envelope to:

Attn: Sample Receiving
MicroVision Laboratories, Inc.
187 Billerica Rd.
Chelmsford, MA 01824

If possible, please download our [chain of custody \(C.O.C\)](#), fill out, and mail with sample(s).



Note: Don't forget to write down the location where each of your samples came from for your own records.