Asbestos in Ambler Air?

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Sigma-2 Passive Sampler

German sampler, accredited by DIN for ambient air monitoring (does not require power)
Typical exposure time: 1 week

Sampler shown in “open” position, i.e. when sample holder is exchanged
Sample holder

Sticky foil
→ traps all airborne materials
Samples studied by optical microscopy
Typical sample from a village

particles can be distinguished based on their optical properties
Example of BoRit Air

Various soil minerals

3/31-4/7/16
Example of BoRit Air

Soil minerals and plant fiber (?)
Example of BoRit Air

Probably a plant fiber, NOT asbestos!
Example of BoRit Air

Plant fiber (?), NOT asbestos!

Tire abrasion particle
Example of BoRit Air

Various soil minerals and organic fibers

4/7-4/14/16
Example of BoRit Air

Various soil minerals and organic fibers

Next picture
Example of BoRit Air

- Probably a Feldspar crystal
- Probably a Quartz crystal

4/7-4/14/16
Preliminary results (5 weeks of sampling)

- no asbestos detected
- lots of soil minerals
- tire abrasion particles
- plant fibers
- dog hair (?)