Electronic Supplementary Material (ESI) for Lab on a Chip.

Electronic Supplementary Information for

A Microfabricated Optofluidic Ring Resonator for Sensitive, High-Speed Detection of Volatile Organic Compounds

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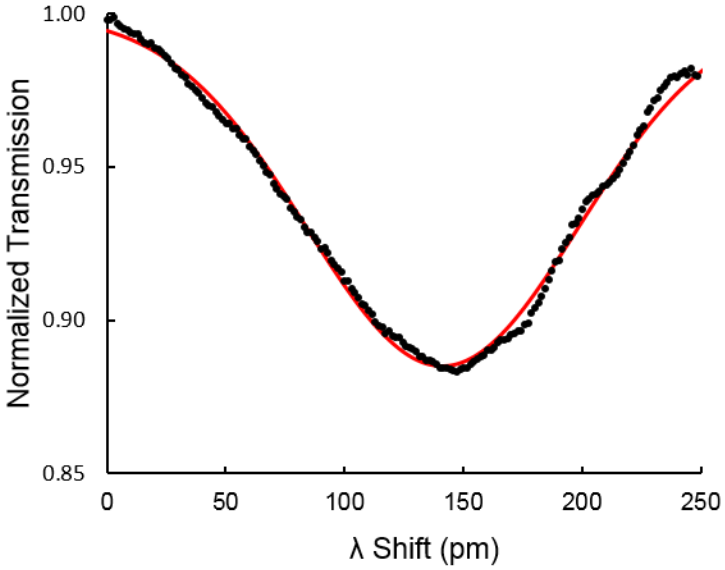

Fig. S1 A normalized WGM resonance centered at 1550 nm generated in a PDMS coated μOFRR. Smooth (red) curve represents the fit of the data to a Lorentzian function. Q-Factor ($\lambda_{WGM}/FWHM_{WGM}$) = 11,500.

Supplemental Video S1. μOFRR WGM response to m-xylene. The normalized WGM resonance and the corresponding shift in λ_{WGM} in the μOFRR sensor during exposure to 4.3 ng of m-xylene is shown.