

Accepted Manuscript

Title: Implications of Turbulent Flow in Connecting Capillaries used in High Performance Liquid Chromatography

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PII: S0021-9673(16)31750-2
DOI: <http://dx.doi.org/doi:10.1016/j.chroma.2016.12.084>
Reference: CHROMA 358178

To appear in: *Journal of Chromatography A*

Received date: 18-8-2016
Revised date: 10-12-2016
Accepted date: 30-12-2016

Please cite this article as: John Halvorson, Abraham M.Lenhoff, Monika Dittmann, Dwight Stoll, Implications of Turbulent Flow in Connecting Capillaries used in High Performance Liquid Chromatography, *Journal of Chromatography A* <http://dx.doi.org/10.1016/j.chroma.2016.12.084>

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Implications of Turbulent Flow in Connecting Capillaries used in High Performance Liquid Chromatography

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Highlights

- Pressure drop was measured over connecting capillaries as a function of flow rate.
- Conditions relevant to modern HPLC were studied.
- Variables included capillary diameter and length, acetonitrile/water composition, and temperature.
- The experimental data were used to train a model that has a mean prediction error of 2% for the conditions studied.

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