



What To Do When Things Go Wrong In HPLC!

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Abstract: An argument can be made that HPLC systems are becoming increasingly "appliance-like". As with automobiles or microwave ovens, we expect to be able to use this equipment without being overly concerned about what goes on "under the hood". As it happens, there are a lot fewer LCs than cars in this world, and so LC instruments have not progressed as far along the learning curve. As chromatographers, we often find ourselves in the same situation as drivers of Model-T Fords: stopped beside the road with the hood open and the toolbox out while we try to figure out and fix what went wrong this time.

The on-board diagnostics in today's systems are useful, but we benefit immensely from a "bag of tricks" to help us track down the source(s) of our problems. In this presentation, we'll look at a range of simple diagnostic tests that can help chromatographers to answer questions like:

- What's causing my baseline to drift?
- Where are these "garbage" peaks coming from?
- Is my column dying because of garbage in the sample or a corrosive mobile phase?
- Are my repeatability problems coming from sample prep or separation conditions?
- How come I'm seeing negative peaks?

About the Speaker: Tom Jupille has been a practicing chromatographer for more than 30 years, during which he has written more than 30 papers on chromatography and related subjects. He worked primarily in gas chromatography in the late '60s, switching to thin-layer chromatography in the early '70s and then to HPLC and ion chromatography in late '70s. His career has focused on instrument and column development and user support, providing a broad foundation of practical experience to call on as an instructor. He is best known as the Moderator of the popular on-line chromatography discussion group Chromatography Forum.

Over the past 19 years, Tom has presented courses and seminars in the field of chromatography to more than 3000 students. In addition to teaching, he has been involved in the development and support of computer modeling techniques for chromatography method development. He is President of LC Resources and a Consulting Editor for LCGC magazine.

Location:
D'Ignazio's Towne House
117 Veterans Square
Media, PA 19063

Times:
Executive Mtg - 5:00 pm
Social "Hour" - 5:45 pm
Dinner - 6:30 pm
Presentation - 7:30 pm

Directions:
Below

Cost of Dinner:
\$30 or MC/Visa /AmEx

NOTE TO STUDENTS: Full-time students with valid ID may attend dinner meetings at half price. **Faculty members at colleges and universities are urged to bring one or more students to the meeting. If they do, they also can attend at half-price.**

Below is a current list of the 2007/2008 CFDV Officers. Please contact any officer for information about the Forum, to find out how to participate in the Forum or to find out how to participate in Forum Activities. The CFDV website is <http://www.cfdv.org/>.

President: Mike Koenigbauer - AstraZeneca
(302) 886-8186

Program Chair: Ron Majors - Agilent Technologies
(302) 633-8222

Treasurer: Dave Kohler - ES Industries
(856) 753-8400

Secretary: Carole Crowe - App Tec
(215) 218-5500 X5801

President - Emeritus: Bill Barber- Agilent Technologies
(302) 633-8309

Dinner Choices: Grilled Chicken Breast, Veal Parmesan, & Eggplant Parmesan with marinara sauce. Please specify choice of entree when making dinner reservations.

For Reservations:

Please register/call before 4 p.m., **Friday, December 7**. Please note that "no-shows" will be billed for the dinner.

Late reservations: We still want you to attend, so call now. However, we cannot guarantee your entrée selection for dinner.

Contact: We strongly recommend online registration <http://www.cfdv.org/meetings.php> but you can also e-mail sheree@cfdv.org, or FAX 610-485-9467. For FAX/e-mail, please include your name, employer, work telephone & meal choice. Alternatively, call Ms. Sheree Gold at 610-485-3479 and provide same information.

Directions to the Towne House

Take I-95 to the Blue Route, I-476; take Exit 3 (Media). Go west on Baltimore Pike past intersection of Rt. 252. The Towne House is 10 blocks further, on the right corner of Veterans Square.



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Check out our CFDV website at:
<http://www.cfdv.org/>

