

PRESS RELEASE

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## TELEDYNE LEEMAN LABS INTRODUCES THE HYDRA -C, A NEW MERCURY ANALYZER BASED ON THE THERMAL DECOMPOSITION TECHNIQUE OF EPA METHOD 7473

Hudson, NH - Teledyne Leeman Labs has expanded its popular Hydra Family of mercury analyzers to include the Hydra -C. Hydra - C is designed to address the needs of analysts that want to use EPA's new method 7473 or that simply want to determine mercury without prior sample digestion.

Hydra -C is a direct combustion mercury analyzer that is available with either cold vapor atomic absorption (CVAA) or cold vapor atomic fluorescence (CVAf) configurations. As is often the case, CVAf provides for lower limits of detection and longer dynamic range than is achieved with CVAA. Hydra -C works by combusting the sample to release mercury vapor instead of the chemical reduction step used in most liquid based analyzers. Solid and liquid samples in all kinds of matrices can be loaded onto Hydra - C's autosampler and analyzed without the acid digestion prior to analysis. The combustion process does not require the conversion of mercury to mercuric ions so lengthy sample pretreatments are unnecessary. Because chemical reduction is not used, there is no need for reagents such as strong acids, oxidizers and reductants. There is also no waste to be disposed of at the end of analysis. As a result, the Hydra -C reduces both analysis time and cost.

The Hydra -C employs the advanced, time-tested optical designs of our earlier continuous flow analyzers coupled with gold amalgamation purge and trap pre-concentration to achieve high sensitivity and low noise. The Hydra -C provides Windows™2000 programming and is fully automated with computer control of all instrument parameters and functions. An on-line balance is available for electronic sample weight input.

The Hydra C will be previewed at Pittcon 06 in Orlando, Florida, March 13 - 17.

To receive information on the Hydra -C, contact Teledyne Leeman Labs, 6 Wentworth Drive, Hudson, NH 03051. Telephone: 603-886-8400, Fax: 603-886-9141 or email: [LeemanLabsinfo@teledyne.com](mailto:LeemanLabsinfo@teledyne.com). You can also visit our website at [www.leemanlabs.com](http://www.leemanlabs.com).