

American Council of Independent Laboratories

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What's Hot?

Automated Sampling of RSK-175 Samples



Tapping the natural gas reservoirs throughout the United States has long been a viable solution for energy independence; however until recently getting to these gas reservoirs was very difficult. Now, through the development of horizontal drilling in conjunction with hydraulic fracturing or "fracking", these reservoirs have become much easier to tap for natural gas. The process of fracking involves drilling thousands of feet below the earth's surface and injecting the ground with millions of gallons of water, sand, and chemicals. After the well is completed, the fracturing fluid or "flow back water" is captured in steel tanks or lined pits. There are some environmental concerns with the fracking process that have come to light as fracking has gained popularity. One major concern is the potential for natural gas to migrate into drinking water sources.

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What's New?

What's New for Teledyne Leeman Labs



Teledyne Leeman Labs Hydra IIC is a fully automated turnkey analyzer that measures mercury in solid and semi-solid sample matrices directly without any acid digestion (sample preparation). The system employs the technique of sample combustion (thermal

decomposition), mercury concentration via gold amalgamation and detection by cold vapor atomic absorption. The biggest advantage of the Hydra IIC is that no sample preparation is required before analysis. And, because no sample prep is required; the cost and hassle of dealing with waste disposal is avoided. For more information on this instrument, please contact Leeman Labs at 603-886-8400 or <http://www.teledyneleemanlabs.com/products/mercury/hydra-ci/index.asp>

What's New for Teledyne Tekmar



Teledyne Tekmar's Versa Automated Headspace System is small in size but big on value. Static headspace is one of the most popular techniques used by Analytical Laboratories today due to its versatility for analyzing volatile organic compounds (VOCs) in a complex variety of matrices. This is due to the elimination of tedious sample preparation

steps and prevention of contamination issues that are common to other sample introduction techniques. This small and economical headspace system delivers the same reliable results that are found in Tekmar's other headspace system. The Versa was designed to meet the needs of laboratories with smaller sampling requirements and smaller budgets without sacrificing quality and reliability. The Versa is able to quickly and accurately identify residual solvents in bulk or finished pharmaceuticals as prescribed in the United State Pharmacopeia (USP) and meets all of the guidelines per USP Method <467>. While developed around USP <467>, the Versa can be utilized for many other applications within the Environmental, Packaging, Petrochemical, Flavor and Fragrance, and Forensics/Toxicology Industries. For more information on this instrument, please contact Tekmar at 800-874-2004 or <http://www.teledynetekmar.com/products/VOC/Versa/index.asp>

About CABEM Technologies:



CABEM, a small business with a core heritage in custom software development provides sophisticated software products, solutions and technology services to a discerning client base. Founded in 2002; CABEM has been providing services to the test industry for more than 10 years. CABEM has recently joined the ACIL as part of their strategic initiative to focus on the testing marketplace

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QuickTrace M-7600 mercury analyzer from CETAC Technologies

The QuickTrace M-7600 mercury analyzer from CETAC Technologies is designed with TCP-IP communications that are preconfigured per laboratory preferences. The analyzer is designed for ultratrace to sub-ppm mercury quantitation and is capable of switching between low ppm and ppt analysis without hardware or tubing configuration changes..


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Restek Adds ISO Guide 34 and 17025 Accreditations-Now Offers a Full Line of Certified Reference Materials

Effective 9 December 2011, Restek's reference standard manufacturing and QA testing laboratories in Bellefonte, PA, have added ISO Guide 34 and 17025 accreditations to their credentials. Issued by the American Association for Laboratory Accreditation (A2LA), these accreditations-as well as the company's ISO 9001 registration, which has been maintained since 1994-serve as recognition that Restek and its labs meet the world-class quality standards established by the International Organization for Standardization (ISO).


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Sample Preparation, Extraction and Analysis of Imported Children's Toys for BPA & Phthalates



The debate over potentially toxic compounds used in plastic production has created new testing methods and regulations controlling or banning plasticizers such as phthalates and Bisphenol A (BPA). Children's products are often targeted for testing and regulation where the potential for toxic exposure is greater than for adults. The US has started to limit levels of some phthalates, including DEP, DEHP, DBP, BBP, for use in children's' products. The Consumer Product Safety Commission has published testing methods for these regulated phthalates while the regulation of BPA remains under debate. This study examines the levels of phthalates and BPA in small inexpensive imported children's toys using new cryogenic grinding methods developed to process the different types of plastic toys examined.


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Product Showcase

Waters ACQUITY UltraPerformance Convergence Chromatography Takes Pittcon Editors' Gold Award



Waters Corporation (WAT:NYSE) was today awarded the prestigious 2012 Pittcon Editors' Gold Award for the new Waters® ACQUITY UPC2™ System as the best new product at the 2012 Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy.

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SmartPrep® Extractor
For Product Showcase and applications



SmartPrep® Extractor

This Scalable Cartridge Based SPE System delivers unprecedented versatility and intelligent Sample preparation SmartPrep is the first ever automated, small footprint, extraction system designed specifically for scalable cartridge based SPE of a wide range of contaminants in clean aqueous matrices.

<http://www.horizontechinc.com/product/smartprep.htm>

NEW SmartPrep Applications for EPA Methods 508.1 and 522
http://www.horizontechinc.com/app_notes/SmartPrep.htm

Introducing Freestyle™ Sample Clean-up workstation



Pickering Laboratories introduced the Freestyle™ Sample Clean-up workstation from LCTech at the AOAC international meeting.



Building on the success of the GPC Ultra product line of Gel Permeation Chromatography the Freestyle™ is an innovative design adding new time saving features to the automated sample clean-up work flow.

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