



**EDITORIAL CONTACTS:**

Jennifer Lyons  
Axiom Analytical, Inc.  
(949) 757-9300  
Direct: (714)913-4718  
[jlyons@goaxiom.com](mailto:jlyons@goaxiom.com)

PR Agency Contact:  
Doug Forsyth, Alchymia Communications® LLC  
(541) 482-8744  
[df@alchymiacomm.com](mailto:df@alchymiacomm.com)

**New Technical Note Reports on Highly Sensitive Monitoring of Organic Pollutants in Waste Water**

TUSTIN, Calif., November 13, 2009 – Axiom Analytical, Inc. has announced the availability of a new Technical Note, AN-924, entitled “Continuous monitoring of volatile organic compounds in industrial waste water”. This Technical Note outlines a system, which provides rapid, fully automatic, monitoring of selected volatile organics in water. Many priority pollutants, such as chlorinated hydrocarbons and aromatics are characterized by low solubility and high vapor pressures. For such substances, the system can provide simultaneous measurements of multiple species with detection limits in the low ppb range and updates every few minutes.

The discharge of organic chemicals into wastewater is an endemic problem in chemical processing. As a result, most plants employ remediation facilities to purify their wastewater before discharging it into the environment. However, these facilities can be easily overloaded by a large spill. Conventional detection methods, which involve the periodic collection of samples and laboratory analysis by relatively slow techniques such as GC or GC/MS, suffer from a number of limitations not least of which is the inability to detect a major spill before it can reach – and possibly damage – the remediation facility. The system described in the new Technical Note obviates these problems by using the sparging infrared technique to provide a fully automated system for the continuous monitoring of volatile organic pollutants. The system uses a stream of air bubbles to transfer the pollutants from a fixed volume of water to an air stream, where the concentrations can be measured quickly and easily by using infrared spectroscopy.

About Axiom Analytical, Inc

Axiom Analytical, Inc. was founded in 1988 by Dr. Mike Doyle and Norm Jennings, pioneers in the field of process FTIR spectroscopy. The Company’s mission is to develop and market the robust sampling equipment, software, and integrated systems required to fully realize the potential of molecular spectroscopy for solving economically significant problems both in laboratory analysis and manufacturing processes. The Company’s products are employed in diverse industries ranging from basic chemicals to pharmaceuticals, semiconductors, and polymer processing.

More information about Axiom Analytical Inc. can be found at <http://www.goaxiom.com/>.