

September 28, 2018
FOR IMMEDIATE RELEASE
Solid Phase Extraction
Media contact:
Sevag
617-393-2934
sevag@fms-inc.com

FMS, Inc. Introduces an Automated Solid Phase Extraction System for PFAS, EPA Methods 537 and Wastewater

Watertown, MA (August 2018) – Fluid Management Systems, Inc. (FMS, Inc.) announced the introduction of three automated solid phase extraction systems designed for the analysis of PFAS (Per and Polyfluorinated Alkyl Substances). The known extent of the contamination of U.S. communities with PFCs, highly fluorinated toxic chemicals, also known as PFASs, that have been linked to cancer, thyroid disease, weakened immunity and other health problems continues to expand with no end in sight. Studies of PFC pollution in tap water supplies for 15 million Americans in 27 states and from more than four dozen industrial and military sources from Maine to California.

The three automated sample preparation systems are The EconoTrace® SPE PFC for drinking water and clean matrices. The TurboTrace® PFC Parallel SPE system for drinking water and wastewater and The TurboTrace® PFC Parallel/Sequential SPE system for drinking water and waste water designed for overnight operation. The systems automate existing manual techniques that have been shown to be time consuming, labor intensive and tough to deliver reproducible results.

The TurboTrace® PFC SPE systems are a closed system designed and built to deliver the lowest background delivering reproducible and consistent results. It combines extraction, drying and concentration into one step — providing a truly automated total sample prep solution for the laboratory. The system is made of components not containing Teflon or other materials containing perfluorinated compounds. The final extracts are eluted directly to the SuperVap® Concentrator where the concentration process automatically brings the extract to final volume and places it directly into an autosampler vial, ready for final analysis. Automating these processes into one step ensures the highest quality results in the shortest amount of time and eliminates both human error and the possibility of background contamination.

“By automating the entire sample prep process for the analysis of PFAS, the TurboTrace® PFC SPE systems will increase a lab’s sample throughput and at the same time improve the quality of their results. It is the first totally automated SPE for PFAS that completely automates the entire extraction, drying and concentration process for Water matrices from start to finish without user intervention that meets the regulatory requirements for the analysis of PFAS. It removes human error and laboratory background saving the laboratory time and money.” Tom Hall, Vice President of Sales and Marketing, said.

About Fluid Management Systems, Inc.

The world leader in providing automated sample preparation systems for Persistent Organic Pollutant (POPs) analysis, Fluid Management Systems, Inc. designs, manufactures, and supports analytical instruments used by scientists to perform extraction, cleanup, fractionation, and concentration of samples prior to chemical analysis. Our automated systems are designed to replace outdated, labor-intensive techniques that hinder laboratory productivity and improve both sample turn-around time and the quality and consistency of results by eliminating the variability inherent with manual sample preparation methods. All FMS, Inc. consumables are guaranteed and manufactured in Class 10,000 and Class 1,000 cleanroom environments and both our instruments and consumables are proudly made in the USA.