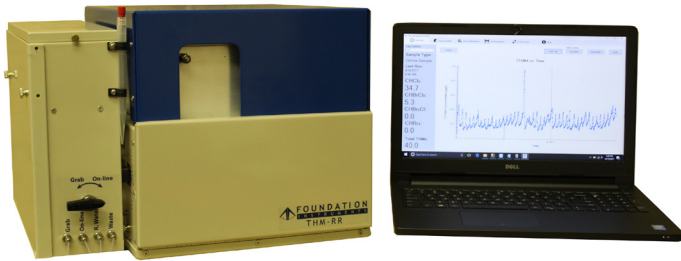


# THM Rapid Response (THM-RR) System

## On-site Process Control of Individual and Total THMs



- No waiting for accurate THM results
- Revolutionary patented process
- No Reagents (hazardous or otherwise)—no waste!
- Uses inexpensive nitrogen, not helium
- Targets THMs, not TOC
- Simple automated operation

The New THM-RR 2.0:  
Smaller Footprint but Same Reliable  
Fully Automated Performance

*“Outstanding installation,  
service and support”*

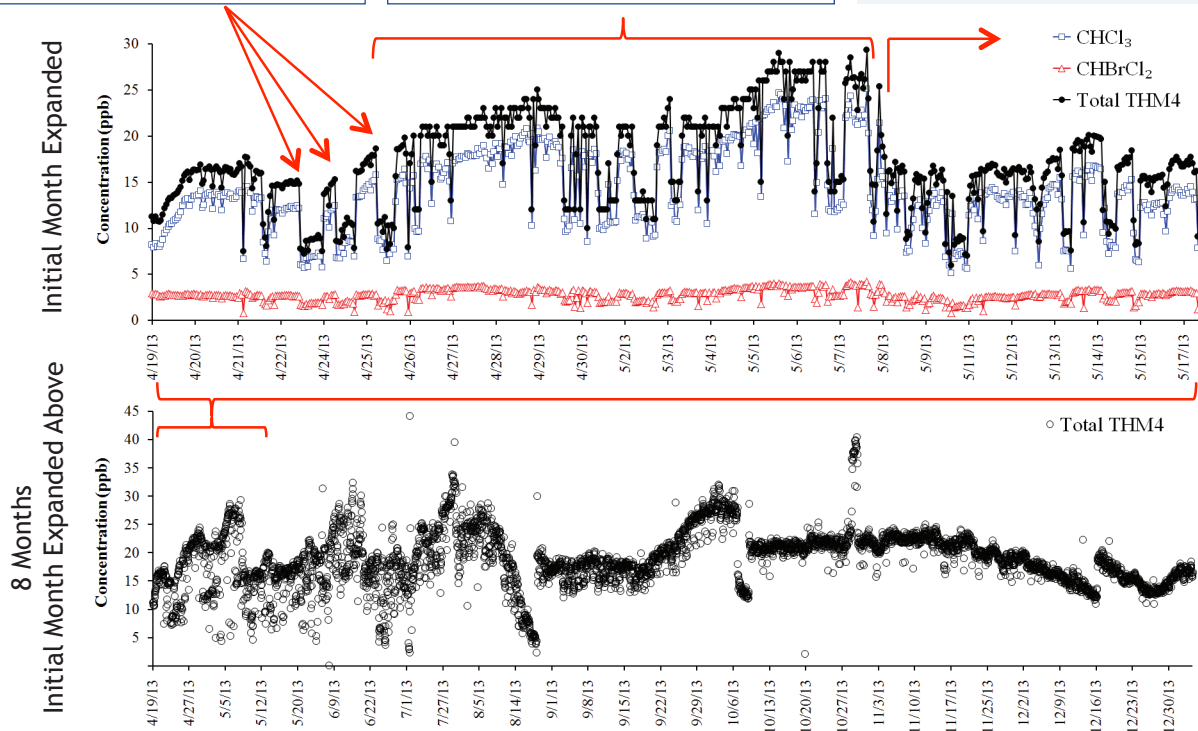
— R. Easley, Director of Water Quality and  
Operations, Central Arkansas Water

### City of Lebanon, TN, Water Treatment Plan, THM-RR Results

Process Mapping  
Sludge removal in settling tank

Process Optimization  
Powdered Activated Carbon

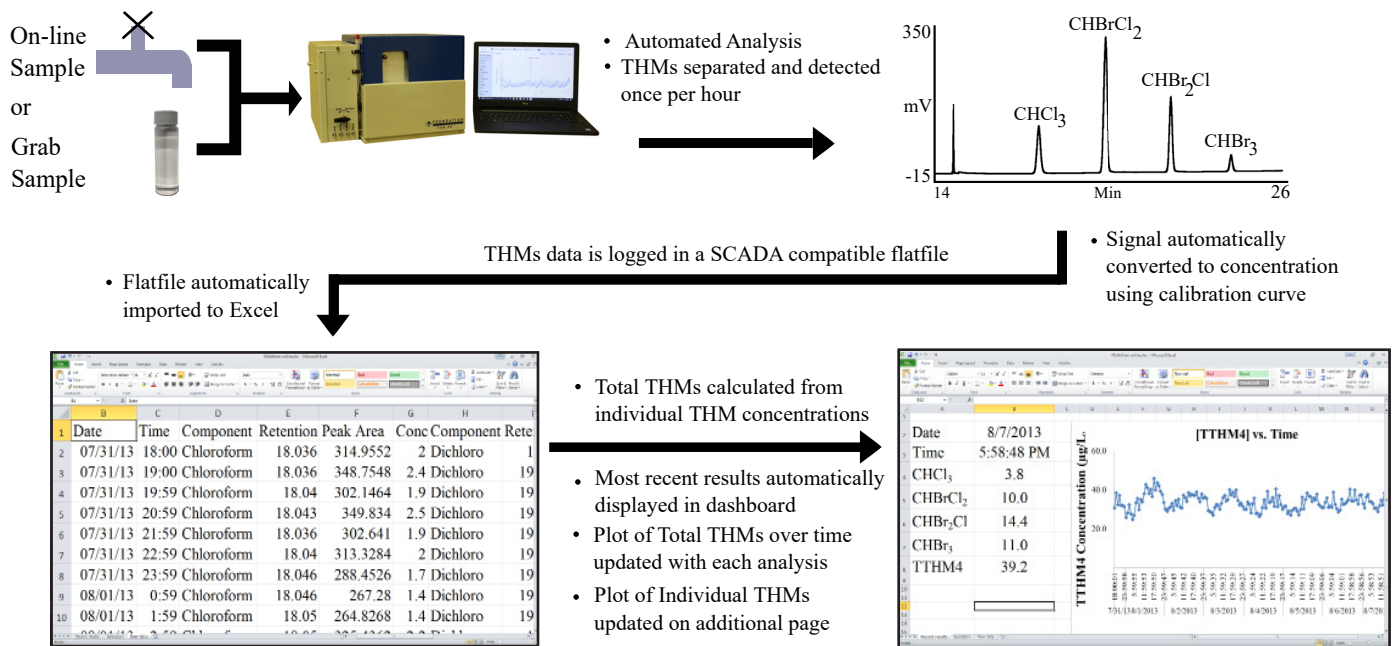
*“In 1 year, we recouped the THM-RR  
cost from reduced chemical usage”*  
— J. C. York, Plant Superintendent



*“Controlling Disinfection By-Products Is Our Foundation”*

# Why spend money to remove TOC that does not become THMs? Save Money, Labor, and Time!

## Overview of the Operation of the Automated THM-RR System



***“In rigorous peer-reviewed studies, the THM-RR system agreed with USEPA 524.2 to within  $1.3 \pm 1.1$  ppb.”*** (Brown et al., *Anal. Chim. Acta*, Vol. 853, pp. 351-359, 2015)

***“The data the THM-RR generates shows changes within our own treatment plant that previously we could not effectively quantify.”***

— Dr. Manny Ojo, Environmental Lab Manager, Metro Nashville Water Services, Nashville, TN

### Foundation Instruments, Inc.

Gary L. Emmert, PhD, Chief Scientific Officer  
 Paul Simone, PhD, Director of Research and Development  
 Michael Brown, PhD, Director of Technical Services

875 W. Poplar Ave. Ste. 23-239  
 Collierville, TN 38017 USA

Ph: 901-300-0426 Fax: 719-372-8193