

## AUTOMATED WEB-BASED INFRARED MONITORING SYSTEM FOR MILLING & QUARANTINE FUMIGATIONS PART 2

Dennis Glennon Ph.D., Chief Technical Officer, Spectros Instruments, Inc.

Anthony Caravello, Director of Integrated Technologies

Tony Volpicelli, Director of Engineering

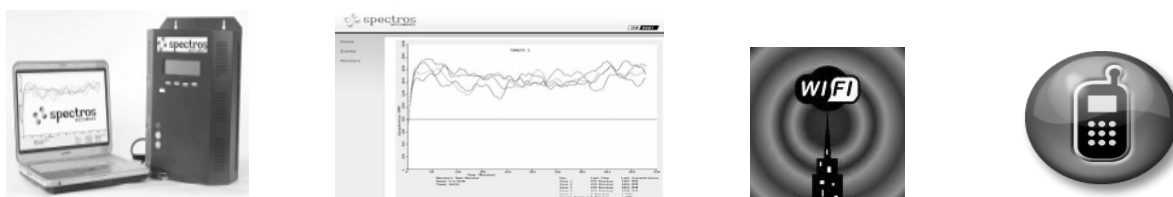


Figure 1  $\text{CH}_3\text{Br}, \text{SO}_2\text{F}_2, \text{CH}_3\text{Br}, \text{C}_2\text{N}_2$  **MONITOR, REPORT, TRANSMIT, NOTIFY**

### **Abstract**

This paper updates The Spectros Instruments' Infrared Monitoring System for the collection of fumigation data at-line and in remote locations. The Spectros Instruments Fumigation Hub and Remote Monitoring Module collect and display fumigation data locally (pc, print, plot) while real-time reports and alerts are generated for display on the internet via any secure web browser. Monitor diagnosis and validation is possible with the Report Monitor Control and Reporting System. Additional features allow a fumigator to be contacted via text-message to cell phone/PDA. Real-time fumigation gas levels are displayed. Interface of the Spectros Instruments' Remote Monitoring Module to fumigant generation and fumigant recovery systems is discussed.

Data will be presented with special attention is paid to Spectros' Fumigation Monitors stability to changes in temperature; barometric pressure, relative humidity, interference gases and other challenges. These features will be compared and contrasted with other commonly used quarantine fumigation monitors.