

# PRESS RELEASE

## AMS Introduces MetalGuard™ Lead Alert!™ Lead Corrosion Risk Management System

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[Aqua Metrology Systems](#) (AMS), a pioneer in the prediction, control and treatment of trace metals, introduces MetalGuard™ Lead Alert!™ — a novel automated and unattended real-time lead corrosion risk management system for monitoring the risk of exposure to lead contamination.

Lead contamination in drinking water usually occurs as a result of leaching from distribution and plumbing system components. While lead corrosion is a latent problem, it can be provoked by changes in water source, changes in water treatment chemical dosing and stagnation. Unfortunately, recent drinking water lead contamination crises are revealing the inability of traditional lead monitoring programs to measure the presence of all forms of lead; capture unpredictable changes in water quality that result in lead corrosion; and report the contamination risk before the water is delivered to the customer.



MetalGuard Lead Alert! is specifically designed to address lead contamination concerns by providing high frequency, timely and accurate predictive data on dissolved and total lead in water samples to alert utilities and consumers of an increased risk of lead contamination, before lead contamination occurs and impacts consumers and their health. For consumers who use lead filters, the lead corrosion risk management system will provide a warning that filters need to be replaced before they become ineffective at removing the impending increase in lead levels.

MetalGuard Lead Alert! can be installed in the distribution network or water treatment plants and is deployed in two modes: Comprehensive monitoring of a home or building with an exposure to lead contamination featuring multiple stream analysis which provides 24/7/365 real-time monitoring of multiple locations in a home, school, day-cares or other similar facilities; or predictive analysis, which provides continuous analysis of the predicted impact of drinking water quality on the corrosion of lead pipes, tin/lead solder and brass fittings and alerts utilities and consumers when there is a change in water quality that increases the risk of exposure to lead contamination.

MetalGuard Lead Alert! features automated operation which eliminates operator variability and ensures accuracy to 1 ppb

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in as little as 30 minutes. The analyzer can be used in conjunction with AMS' [SafeGuard™ Lead](#), an automated lead analyzer, for monitoring exposure to lead contamination with rapid low-cost analysis of locations predicted to be at risk for an increase in contamination.

"The AMS MetalGuard Lead Alert! combines the predictive power of real-time data on dissolved and total lead values with a proprietary method for an automated lead corrosion simulator," said Rick Bacon, CEO of AMS. "This novel lead corrosion risk management system offers utilities and consumers a real-time assessment of changes in water quality that may increase the rate of lead corrosion and enables them to take the preventive actions necessary to reduce the risk of exposure."

## About AMS

[Aqua Metrology Systems Ltd.](#) (AMS) believes real-time water quality analysis and remediation are essential to environmental protection. AMS is a leader in the control of water treatment systems across municipal and industrial sectors in which disinfection byproducts (i.e., THMs) and trace metals are contaminants of concern. AMS' online analytical instrumentation provides the high-frequency, predictive, accurate and reliable water quality data that are essential to ensuring treatment systems operate efficiently while meeting regulatory and performance standards. AMS is the pioneer of the intelligent water treatment system with its SafeGuard H2O™, an innovative solution for removing trace metals that integrates real-time sensing.

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