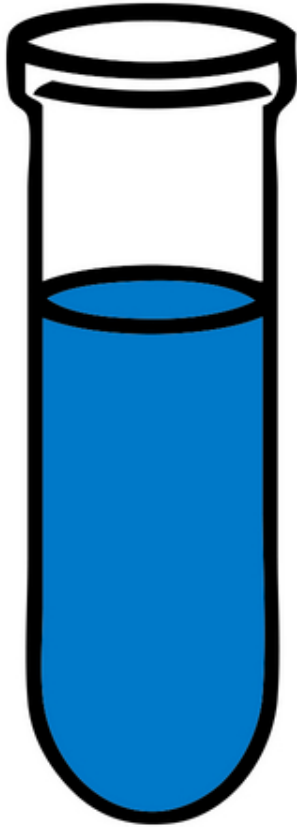


Novel Intelligent Water Quality Analyzer Provides Real-Time and Reliable Trace Metals Data



**TRACE METAL
CONTAMINANTS ARE
UNPREDICTABLE**





**INFREQUENT AND
MANUAL LAB-BASED
SAMPLING CANNOT
CAPTURE CHANGES**

NO

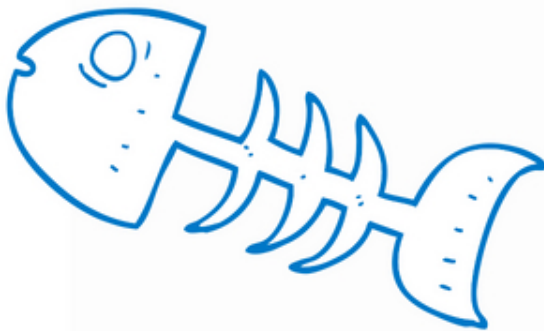
TRENDS

OPTIMIZATION

PREVENTION

YESTERDAY'S 24/7 REAL-TIME MONITORING SOLUTION

Dead Fish

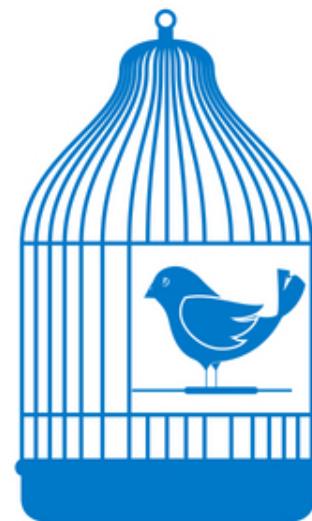


Farming
Recreation

Contaminated Rivers

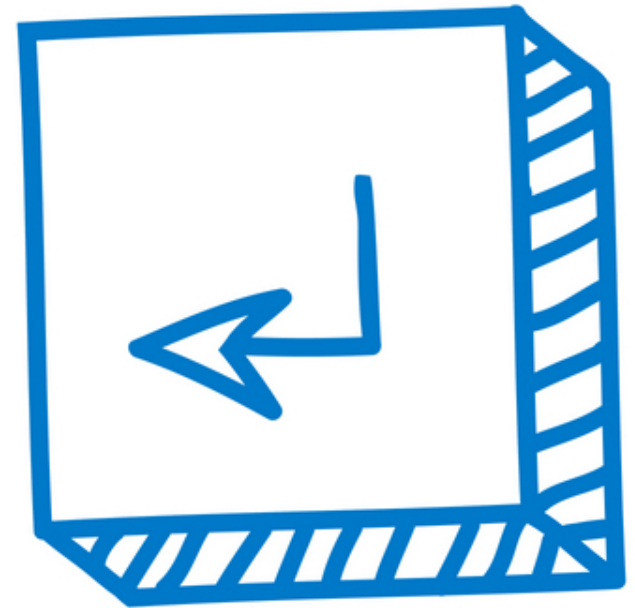


**A BETTER CANARY IN
THE MINE IS NEEDED!**



ONLINE TRACE METALS ANALYSIS

Providing real-time, reliable and actionable trace metals data.



INNOVATIVE ONLINE TRACE METALS ANALYZER

23 V Vanadium 50.942	24 Cr Chromium 51.996	26 Fe Iron 55.845	13 Al Aluminum 26.981	30 Zn Zinc 65.38	92 U Uranium 238.03	33 As Arsenic 74.922
27 Co Cobalt 58.933	28 Ni Nickel 58.693	29 Cu Copper 63.546	48 Cd Cadmium 112.41	80 Hg Mercury 200.59	82 Pb Lead 207.2	34 Se Selenium 78.96



MetalGuard™



A CLOSER LOOK

PROCESS CONTROL

Monitors trace metal contaminant levels in real time to ensure effective remediation.

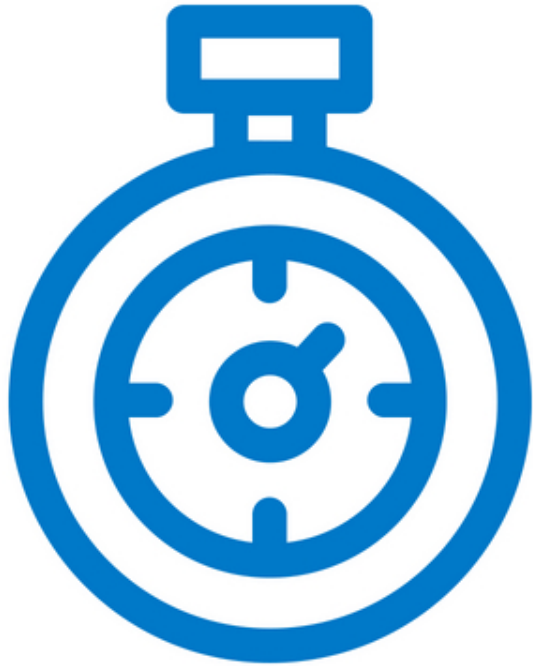
Self-calibrating and autonomous sensor ideal for installation in remote locations where unattended operation is required.



OPERATES 90 DAYS WITHOUT INTERVENTION



TIMING AND ACCURACY



Results up to 1 ppb or $\pm 15\%$, whichever is higher.

Typical measurement time of fewer than 30 minutes.

SYSTEM MONITORING

Remote monitoring of system health
24/7/365.

Quick identification of issues to
minimize downtime and optimize
performance.



RISK MANAGEMENT

High frequency of accurate data enables timely action to ensure regulatory compliance.



UNIQUELY SUPPORTED



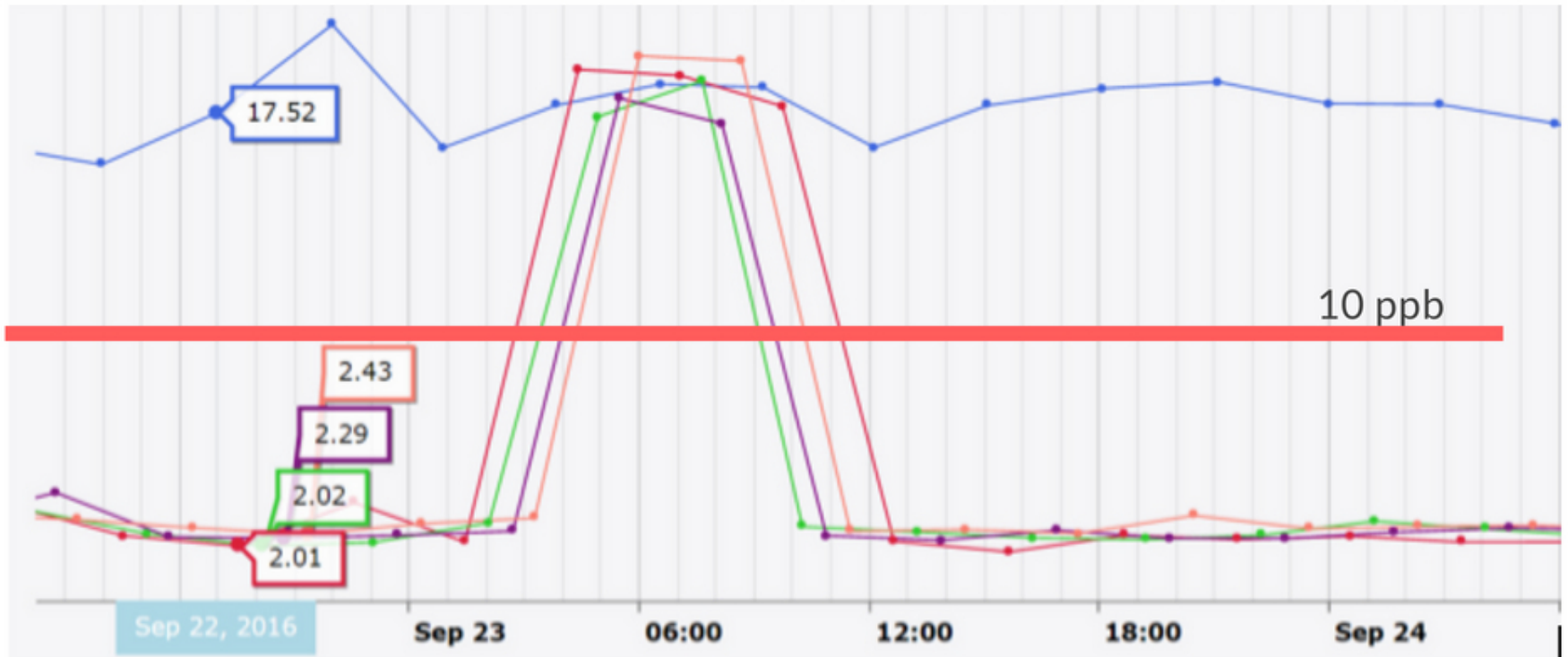
Every system offered with an annual service contract inclusive of a 5-year warranty.

RISK MANAGEMENT: SELENIUM TREATMENT SYSTEM FAILURE

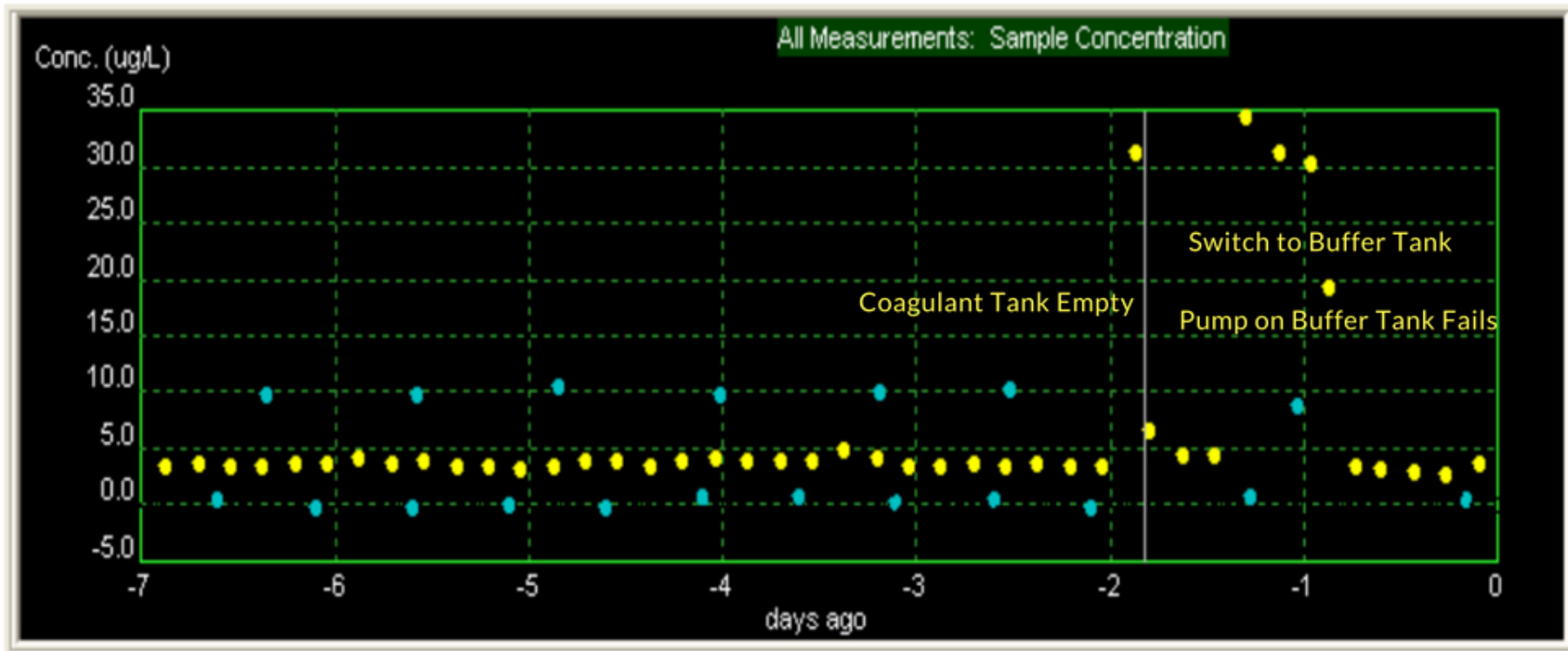


Test in Progress

RISK MANAGEMENT: CHROMIUM TREATMENT



RISK MANAGEMENT: ARSENIC TREATMENT



INNOVATION IN ACTION




BARRICK



Teck

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**Real Time Environmental Data
Driving Intelligent Decisions**