

## SQC Monitor

### *Continuous monitoring of LDMS data trends*

Statistical Quality Control (SQC) charts are powerful tools in deciding when to or when not to act on a plant process.

The trending feature of LDMS 6 provides the functionality to create and maintain SQC charts.

LDMS SQC Monitor tool automates the running and review of LDMS Trending reports.

### System Description

SQC-Monitor runs unobtrusively in the Microsoft® Windows™ system tray and, periodically, runs all selected reports as assigned. If an SQC rule violation is discovered, the program alerts a user by either displaying a message on screen, by email or by specialized scripting.

Alarms are stored in the LDMS database with their definitions and subscriptions. This allows users to easily move from one computer to another, and still get the same settings when they log in to SQC-Monitor.

Alarm configuration provides three options for alerting a user when a violation is discovered. Alarms can be raised 'On First Sample', 'On Each New Sample' and 'Continuously'.

Each alarm also has a priority ranging from Very High, High, Normal, Low and Very Low. This setting allows users to easily filter through a large list of alarms. SQC-Monitor also allows users to temporarily unsubscribe to alarms below a given priority.

With SQC-Monitor users can:

- ↳ Alert mix analysts to out-of-control situations in a timely manner, without adding to their workload
- ↳ Monitor any LDMS data point, including process data, to ensure that it is within acceptable ranges
- ↳ Review a production period for exception data. For example, review all alarms that were generated the previous evening

SQC-Monitor was built on existing LDMS trending functionality, and leverages the investment in current reports.

### Summary

SQC-Monitor is an easy to use, powerful process tool that scrutinizes LDMS data and instantly reports potential quality issues.

If you would like to discuss your requirements with us, or find out more about our solutions, please contact our Quality & Environmental Solutions Manager:

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