TIBCO Spotfire® Software for Inorganic Testing Labs Dashboard

Introduction
Analyzing large volumes of sample results in a high throughput environment is a time-consuming task prone to human error. As laboratory trends continue the shift towards managing these operations with fewer resources, an initiative must be taken to ensure productivity does not fall behind; that’s where the TIBCO Spotfire® for Inorganic Testing Labs Dashboard comes to play. This dashboard will supply your laboratory with a streamlined analysis and visualization software program leading to increased efficiency. In turn, it will also provide high confidence results, giving you the power to make informed decisions while saving both time and money.

Features
2D Scatterplots
There are four interactive Scatterplots built for this dashboard: Results, Internal Standards, Continuing Calibration Verification Percent Recoveries, and Continuing Calibration Blanks. Each of these plots is designed to show which samples fall above and below designated values. Horizontal lines have been added at the limit values along the Y-axes. In addition, a color by rule has been applied to each plot to convert the points above these set limits red and those below green. This arrangement makes it simple to identify suspect data with speed. These Scatterplots can be seen in Figures 1-3.

Key Benefits:
- Link internal standard results to sample data, continuing calibration verification and continuing calibration blanks
- Target suspect data with speed
- Interact with data across all visualizations

PerkinElmer is the exclusive global distributor of the TIBCO Spotfire® platform for certain scientific and clinical R&D applications.
Interactivity

Although the visualizations are created from different sets of data, a connection has been generated by linking a common column of data from each table. Making this connection allows the visualizations to simultaneously interact with one another, providing you with a tool to discover and analyze the associations between your standards, results, and continuing calibration information.

Instructions have been provided on the last page of the dashboard to guide you through uploading and customizing the analysis of your QA/QC test results.