

SOLUTION STORY

GCAS – GC Helium Issue

MetSolv

METERING SOLUTIONS & VALIDATION

INTRODUCTION

MetSolv operate and utilise new IIoT (Industrial Internet of Things) products to provide the highest standard of support and service to our clients, one of these products is GCAS.

GCAS® (Gas Chromatography Analysis Software) is a software tool specifically designed for gas chromatographs (GC) conditional-based monitoring.

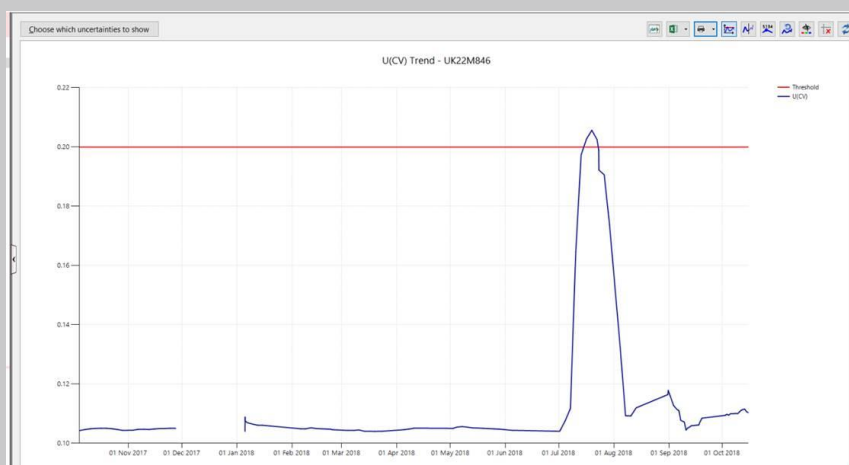


THE SITUATION

GCAS issued an alarm to MetSolv indicating that the uncertainty of the GC heating value increased drastically in a short period of time.

Through investigation MetSolv discovered that a helium cylinder had recently automatically changed over on site and caused the upset in the GC.

No alarm was generated from the GC to indicate that there was any issue.



THE SOLUTION

The helium was changed for a new cylinder and the uncertainty in the heating value recovered within acceptable limits. The GC was diligently monitored for a number of days to ensure the issue never repeated.

THE RESULT

Without GCAS's ability to calculate reproducibility and to give live uncertainty calculations after every routine calibration the helium issue may have gone undetected for the life of the cylinder and the GC performance would have been affected.

PROVIDING CONFIDENCE IN MEASUREMENT QUALITY

