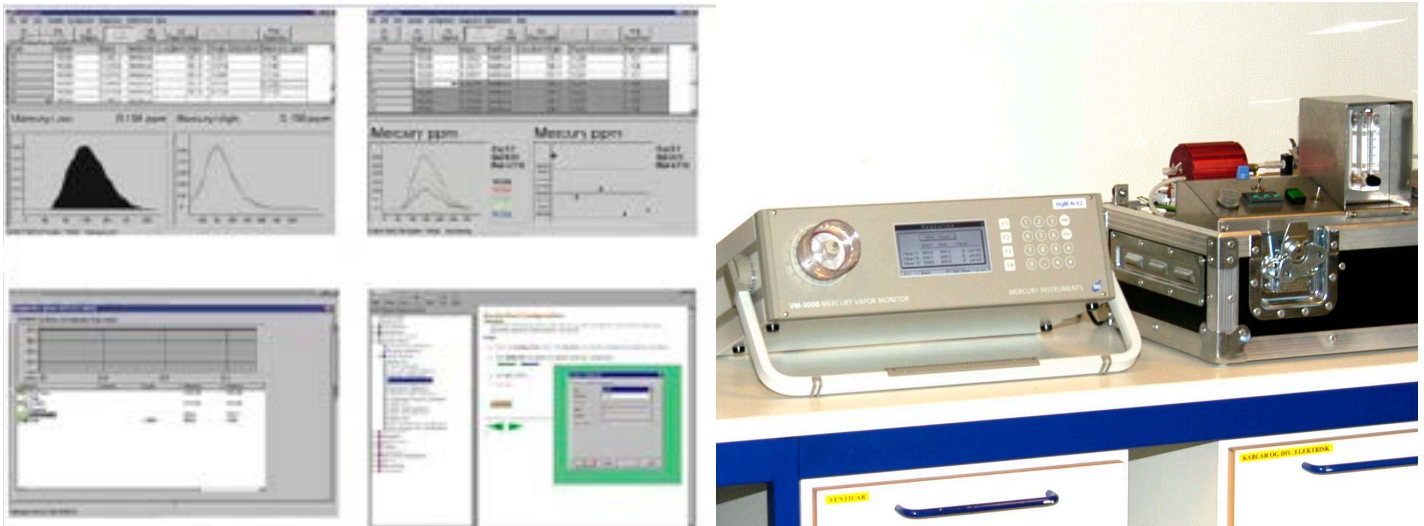


Mercury Analysis

The Leco AMA254 Hg analyser has been developed and adapted in-house for determining trace concentrations of mercury in gases, oils and water for oil industry clients.



Instrumentation for Mercury in gas measurement.

Hydrocarbon Gases

Mercury is trapped from a known volume of gas using a gold sand trap and subsequently determined in the trap using atomic absorption (e.g. ISO 6978).

Limit of detection for gases – 0.01 µg/m³

Hydrocarbon Liquids

Mercury is determined by combustion in oxygen and final detection by atomic absorption.

This method is based on ASTM D7623.

Limit of detection for hydrocarbon liquids – 0.5 µg/kg

Residual / Associated Water

Mercury is determined by combustion in oxygen and final detection by atomic absorption.

This method is based on EPA 7472.

Limit of detection for waters – 0.1 µg/kg