



# GAS CHROMATOGRAPHY – MASS SPECTROMETRY (GC-MS)

## GC - MS

Gas Chromatography Mass Spectrometry (GC-MS) analysis is utilised for volatile organic and inorganic samples that may come from fuels, pharmaceuticals, food, beverage, fragrances, forensic, biological, chemical warfare, and geochemical or environmental research. Analysis by GC-MS involves vapourisation of a sample into a gas phase and its separation into constituent components. A mass spectrometer then breaks components into ionised fragments for analysis. This process allows identification of individual components and quantification. It is a highly useful analytical tool for positively identifying the presence of a particular substance.

With new industry standards managing mining tailings, Microanalysis can assist with analysis of tailings identification and quantification. Microanalysis are well positioned to monitor environmental pollutants in soil and water. GC-MS can identify a range of substances such as dibenzofurans, dioxins, herbicides, sulfur, pesticides, phenols and chlorophenols.

**be confident we see more**

