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Flavor and Fragrance Applications









Introduction

- Sulfur compounds are an important component of flavor and fragrance analyses.
- They are responsible for specific and distinctive flavors in many foods & beverages.
- Sulfur compounds can be difficult to analyze and identify because they are present at trace leves in a complex matrix.
- MS or FID commonly used, but not sensitive enough to detect sulfur compounds at trace levels.
- The PFPD can be used in parallel with MS to identify RT of trace level sulfur compounds.





GC Configuration MS/FID/PFPD



Agilent FID in Front for Sulfur Quantitation

OI Analytical PFPD in Back For Identification and RT Marking



6890N GC with 5973N MS





Column Configuration for 3 Detectors



Standard installation of the column at the injection port



Detector end of the column is split using low-dead-volume connector and a 3-hole ferrule







