



NQAC

Nestlé Quality Assurance Center  
Dublin

# Technical Datasheet

**Analysis Name:** Volatile Organic Compounds (VOC) by Purge and Trap GC-MS

**Method Number:** NQA-00.8350BENZ

**Scope of Application:** Method for the determination of Benzene in aqueous-based food samples.

**Description:** The volatile content of a sample is determined by purging the sample with helium and then concentrating the sample onto a trap where it is then desorbed onto the GC/MS system. Compound determination is achieved by using retention time and ion identification technique.

**Sample Weight Required:** Minimum of 200 to 500 mL

**Method Reference:** Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS), SW846 EPA8260B, Revision 2.

**Analytical Platform:** Purge and Trap / GC-MS

**Special Information:** Provide a dedicated sample container for volatiles. Test is only applicable for aqueous samples.

Compound	Quantitation Limit	Variation
Benzene	2 ug/L	