



NQAC

Nestlé Quality Assurance Center
Dublin

Technical Datasheet

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

Method Number: NQA-00.8350VAN

Scope of Application: Method for the determination of volatile organic compounds in ethanol-based vanilla flavors.

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 50 g

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.

Compound	Quantitation Limit	Variation
Trichloroethene	20 µg/kg	
m&p-Xylenes	40 µg/kg	
o-Xylene	20 µg/kg	