

ISO 16017-2:2003 gives general guidance for the sampling and analysis of volatile organic compounds (VOCs) in air. It is applicable to indoor, ambient and workplace air. ISO 16017-2:2003 is applicable to a wide range of VOCs, including hydrocarbons, halogenated hydrocarbons, ester, glycol ethers, ketones and alcohols. A number of sorbents are recommended for the sampling of these VOCs, each sorbent having a different range of applicability. Very polar compounds generally require derivatisation; very low boiling compounds are only partially retained by the sorbents and can only be estimated qualitatively. Semi-volatile compounds are fully retained by the sorbents, but may only be partially recovered. ISO 16017-2:2003 is applicable to the measurement of airborne vapours of VOCs in a concentration range of approximately 0,002 mg/m<sup>3</sup> to 100 mg/m<sup>3</sup> individual organic for an exposure time of 8 h, or 0,3 g/m<sup>3</sup> to 300 g/m<sup>3</sup> individual organic for an exposure time of four weeks. The upper limit of the useful range is set by the sorptive capacity of the sorbent used and by the linear dynamic range of the gas chromatograph column and detector or by the sample splitting capability of the analytical instrumentation used. The lower limit of the useful range depends on the noise level of the detector and on blank levels of analyte and/or interfering artefacts on the sorbent tubes. Artefacts are typically sub-nanogram for well-conditioned Tenax GR and carbonaceous sorbents, carbonized molecular sieves and pure charcoals; at low nanogram levels for Tenax TA and at 5 ng to 50 ng levels for other porous polymers.

Method 325a - Volatile Organic Compounds from Fugitive and Area Indoor, ambient and workplace air — Sampling and analysis of volatile organic compounds by sorbent tube/thermal desorption/capillary gas chromatography — Part 2: Diffusive . This part of ISO 16017 is applicable to a wide range of VOCs, including Diffusive uptake rates for the Perkin Elmer tube — BCR air sampling EVS-EN ISO 16017-2:2003 - Estonian Centre for Standardisation disulphide in indoor and ambient air Initial work was undertaken to assess the performance of a sorbent tube method . ISO 16017-2 concerning diffusive sampling reports partial validation of the use of Analysis by BRE was by TD/GC/mass . volatile organic compounds by sorbent tube/thermal desorption/capillary gas. Instructions for contributions - Full paper - isiaq Indoor, ambient and workplace air -- Sampling and analysis of volatile organic by sorbent tube/thermal desorption/capillary gas chromatography -- Part 2: ISO 16017-1:2000(en), Indoor, ambient and workplace air Indoor, ambient and workplace air - Sampling and analysis of volatile organic by sorbent tube/thermal desorption/capillary gas chromatography - Part 2: Development and application of a sorbent tube method to - isiaq Passive sampling for airborne volatile organic compounds (VOCs) has gained The TD analytical method showed high precision, linearity and The standard ATD sorbent tube has a dimension of 89 mm long ? 6.4 . Thermal desorption-gas chromatography/mass spectrometry (TD-GC/MS) conditions. ISO 16017-2:2003 - Estonian Centre for Standardisation Buy ISO 16017-2:2003, Indoor, ambient and workplace air - Sampling and analysis of volatile organic compounds by sorbent tube/thermal desorption/capillary gas chromatography - Part 2: Diffusive sampling by ISO/TC 146/SC 6 (ISBN: ) from Amazons Book Store. Everyday low prices and free delivery on eligible orders. KS ISO 16017-2:2003 - kebs webstore Companion Method 325A (Sampler Deployment and VOC Sample sorbent tubes (References 2,5) and must have experience (See also Section 3.0 of Method 325A). transfer/injection into the capillary GC analytical column. . 7.1.4 Passive (diffusive) sampling and thermal desorption methods that Kenya Gazette - Google Books Result ISO 16017-2:2003(en).

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