



Designation: D 5466 – 9501

An American National Standard

Standard Test Method for Determination of Volatile Organic Chemicals in Atmospheres (Canister Sampling Methodology)¹

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1. Scope

1.1 This test method describes a procedure for sampling and analysis of volatile organic compounds (VOCs) in ambient, indoor, or workplace atmospheres. The test method is based on the collection of air samples in ~~passivated~~ stainless steel canisters. ~~With specially treated (passivated) interior surfaces. For sample analysis, a portion of the sample is subsequently removed from the canister and the collected VOCs are selectively concentrated by adsorption or condensation onto a trap, subsequently released by thermal desorption,~~ separated by gas chromatography, and measured by a mass spectrometric detector ~~or other detector(s)~~. This test method describes procedures for sampling into canisters to final pressures both above and below atmospheric pressure

¹ This test method is under the jurisdiction of ASTM Committee D22 on Sampling and Analysis of Atmospheres and is the direct responsibility of Subcommittee D22.05 on Indoor Air.

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