



April 01, 2009

STANDARDS BULLETIN 2009-16

Second Edition CAN/ULC-S774-09

STANDARD LABORATORY GUIDE FOR THE DETERMINATION OF VOLATILE ORGANIC COMPOUND EMISSIONS FROM POLYURETHANE FOAM

ULC is pleased to announce the publication of CAN/ULC-S774-09, the Second Edition of Standard Laboratory Guide for the Determination of Volatile Organic Compound Emissions from Polyurethane Foam. This Standard has been approved by the ULC Committee on Thermal Insulation Materials and Systems (S700A), and has been published with the date of March 2009.

This laboratory guide has been developed for the assessment of volatile organic compound (VOC) emissions from materials used in residential buildings. The guide specifies recommended procedures for the use of test chambers to evaluate emissions from the material at a point in time following its installation.

The guide includes: A head-space analysis procedure for initial identification of VOCs released by the material; Two dynamic chamber procedures for characterizing the rate of VOC emissions from the material; A methodology for calculating the estimated indoor air concentrations of VOCs based on the results of dynamic chamber testing. The head-space analysis is a static test to identify significant amounts of emitted compounds from the material. It is followed by one of the dynamic chamber procedures.

The methodology for assessing the acceptability of the material utilizes comparison of the estimated indoor air concentration of VOCs with permissible concentration.

If you require any additional information, please contact John Wade at 613-755-2729 ext. 6226 or by email at: John.Wade@ca.ul.com

This standard can be ordered for \$270.00 CAN (Hardcopy) from the ULC website (www.ulc.ca) ULC online store.

Yours truly,

UNDERWRITERS LABORATORIES OF CANADA

G. Rae Dulmage
Director, Standards Department, Government Relations Office and Regulatory