



ADDENDA

**ANSI/ASHRAE Addendum s to
ANSI/ASHRAE Standard 62.1-2022**

Ventilation and Acceptable Indoor Air Quality

Approved by ASHRAE and the American National Standards Institute on April 30, 2025.

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FOREWORD

Addendum s expands the available testing methods for acetaldehyde and acetone by allowing these compounds to be tested using TO-17. This update achieves benefits such as the following:

- *Expanded testing possibilities—more laboratories will have the capability to test for acetaldehyde and acetone.*
- *Greater laboratory availability—because TO-17 is widely used, more labs can offer this testing, reducing logistical challenges.*
- *Improved cost efficiency—TO-17 provides a more economical alternative compared to the TO-11 method, making air quality assessments more affordable.*

This addendum also updates EPA TO-11 to TO-11A to reflect the latest revision of the method. TO-11A provides improved analytical accuracy and updated quality control procedures.

Informative Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and ~~striking through~~ (for deletions) unless the instructions specifically mention some other means of indicating the changes.

Addendum s to Standard 62.1-2022

Modify Table 7-1 as follows. (Note that this table contains modifications from Addendum i to Standard 62.1-2022).

Table 7-1 Allowed Laboratory Test Methods

Compound	Allowed Test Methods
VOCs except formaldehyde, acetaldehyde and acetone	ISO 16000-6; EPA IP-1, EPA TO-17; ISO 16017-1; ISO 16017-2; ASTM D6345-10
Formaldehyde	ISO 16000-3; EPA TO-11A; EPA IP-6; ASTM D5197 or testing method that is compliant with the California Air Resources Board's (CARB) § 93120
Acetaldehyde and acetone	ISO 16000-3; EPA TO-11A; EPA IP-6; ASTM D5197, <u>EPA TO-17</u>
Carbon monoxide	ISO 4224; EPA IP-3

Modify Section 9, "Normative References," as follows. The remainder of Section 9 is unchanged.

United States Environmental Protection Agency (EPA)

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1-919-541-0800; www.epa.gov

ENERGY STAR ® 1-888-782-7937

WaterSense 1-866-987-7367 and 1-202-564-2660

[...]

EPA TO-11A (1999)

Determination of Formaldehyde in Ambient Air Using Adsorbent Cartridge Followed by High Performance Liquid Chromatography (HPLC) [Active Sampling Methodology] in Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air (Second Edition)

Table 7-1

[...]

POLICY STATEMENT DEFINING ASHRAE'S CONCERN FOR THE ENVIRONMENTAL IMPACT OF ITS ACTIVITIES

ASHRAE is concerned with the impact of its members' activities on both the indoor and outdoor environment. ASHRAE's members will strive to minimize any possible deleterious effect on the indoor and outdoor environment of the systems and components in their responsibility while maximizing the beneficial effects these systems provide, consistent with accepted Standards and the practical state of the art.

ASHRAE's short-range goal is to ensure that the systems and components within its scope do not impact the indoor and outdoor environment to a greater extent than specified by the Standards and Guidelines as established by itself and other responsible bodies.

As an ongoing goal, ASHRAE will, through its Standards Committee and extensive Technical Committee structure, continue to generate up-to-date Standards and Guidelines where appropriate and adopt, recommend, and promote those new and revised Standards developed by other responsible organizations.

Through its *Handbook*, appropriate chapters will contain up-to-date Standards and design considerations as the material is systematically revised.

ASHRAE will take the lead with respect to dissemination of environmental information of its primary interest and will seek out and disseminate information from other responsible organizations that is pertinent, as guides to updating Standards and Guidelines.

The effects of the design and selection of equipment and systems will be considered within the scope of the system's intended use and expected misuse. The disposal of hazardous materials, if any, will also be considered.

ASHRAE's primary concern for environmental impact will be at the site where equipment within ASHRAE's scope operates. However, energy source selection and the possible environmental impact due to the energy source and energy transportation will be considered where possible. Recommendations concerning energy source selection should be made by its members.

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As an industry leader in research, standards writing, publishing, certification, and continuing education, ASHRAE and its members are dedicated to promoting a healthy and sustainable built environment for all, through strategic partnerships with organizations in the HVAC&R community and across related industries.

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