Designation: E1908 – 24

Standard Practice for Sample Selection of Debris Waste from a Building Renovation or Lead Abatement Project for Toxicity Characteristic Leaching Procedure (TCLP) Testing for Leachable Lead (Pb)[1]

This standard is issued under the fixed designation E1908; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This practice describes a method for selecting samples of building components coated with paints suspected of containing lead. The samples are collected from the debris waste stream created during demolition, renovation, lead hazard control, abatement, or other projects. The samples are subsequently analyzed by a laboratory for lead.

1.1.1 The debris waste stream is assumed to have more than one painted component, for example, metal doors, wood doors, and wood window trim.

1.2 This practice is intended for use when sampling to test for lead only and does not include sampling considerations for other metals or for organic compounds. This practice also does not include consideration of sampling for determination of other possible hazardous characteristics of the waste.

1.3 This practice assumes that the individual component types comprising the debris waste stream are at least partially segregated and that the volume of each type of component in the debris waste stream may be estimated.

1.4 The values stated in SI units are to be regarded as standard. The values given in parentheses after SI units are provided for information only and are not considered standard.

1.5 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety, health, and environmental practices and determine the applicability of regulatory limitations prior to use.*

1.6 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Referenced Documents

2.1 *ASTM Standards:*[2]

D1356 Terminology Relating to Sampling and Analysis of Atmospheres

D4840 Guide for Sample Chain-of-Custody Procedures

E105 Guide for Probability Sampling of Materials

E1605 Terminology Relating to Lead in Buildings

E2239 Practice for Record Keeping and Record Preservation for Lead Hazard Activities

2.2 *Federal Documents:*[3]

40 CFR 261 Appendix II — Method 1311, Toxicity Characteristic Leaching Procedure (TCLP)

29 CFR 1926.62 OSHA Lead in Construction Standard

3. Terminology

3.1 *Definitions*—For definitions of terms not appearing here, see Terminologies D1356 and E1605.

3.2 *Definitions of Terms Specific to This Standard:*

3.2.1 *component (of the waste), n*—each of those different and distinguishable materials that comprise the waste.

3.2.2 *sample (of the waste), n*—a collection of the components of the waste assembled in proportion to their contribution to the total volume of the waste.

3.2.3 *waste, n*—material resulting from conduct of a demolition, renovation, or lead abatement project that is or will be directed for disposal.

3.2.4 *waste stream, n*—the total flow of waste from a demolition, renovation, lead hazard control or abatement project.

[1] This practice is under the jurisdiction of ASTM Committee D22 on Air Quality and is the direct responsibility of D22.12 on Sampling and Analysis of Lead for Exposure and Risk Assessment

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[2] For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

[3] Available from U.S. Government Printing Office, Superintendent of Documents, 732 N. Capitol St., NW, Washington, DC 20401-0001, http://www.access.gpo.gov.