



Designation: E 1618 – 9701

Standard Guide Test Method for Identification of Ignitable Ignitable Liquid Residues in Extracts from Fire Debris Samples by Gas Chromatography-Mass Spectrometry¹

This standard is issued under the fixed designation E 1618; 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 ~~guide test method~~ covers the identification of residues of ignitable liquids in extracts from fire debris samples. Extraction procedures are described in the referenced documents.

1.2 While this ~~guide test method~~ is suitable for all samples, it is especially appropriate for extracts that contain high background levels of ~~co-extracted materials from the substrate materials~~ or pyrolysis products. This guide is also suitable for the identification of single compounds, simple mixtures, or non-petroleum based ignitable liquids.

~~1.3 This guide is intended as an alternative to the method described~~

~~1.3 The values stated in Test Method E 1387. It is not intended SI units are to be a replacement of that document or to supersede any of regarded as the standard. The values given in parentheses are for information contained therein. only.~~

1.4 *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 and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 *ASTM Standards:*

E 713852 Practice for ~~Safety Separation and Health Requirements Relating to Occupational Exposure to Carbon Disulfide~~

¹ This ~~guide test method~~ is under the jurisdiction of ASTM Committee E30 on Forensic Sciences and is the direct responsibility of Subcommittee E30.01 on Criminalistics. Current edition approved ~~April September 10, 1997; 2001. Published February 1998; November 2001.~~ Originally published as E 1618 – 94. Last previous edition E 1618 – 947.