



Designation: E 1385 – 9500

Standard Practice for Separation and Concentration of Ignitable Liquid Residues from Fire Debris Samples by Steam Distillation¹

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1. Scope

1.1 This practice covers the procedure for separating visible quantities of water insoluble hydrocarbons from samples of fire debris.

1.2 This practice is recommended only for samples which have a detectable odor of petroleum distillates when examined at room temperature.

1.3 This practice can yield useful extracts by the application of a solvent to the distillation trap in the event that only small quantities of hydrocarbons are obtained.

1.4 Alternate separation and concentration procedures are listed in the referenced documents.

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

2. Referenced Documents

2.1 *ASTM Standards:*

D 1193 Specification for Reagent Water²

¹ This practice is under the jurisdiction of ASTM Committee E30 on Forensic Sciences and is the direct responsibility of E30.01 on Criminalistics. Current edition approved ~~Oct., 10, 1995. Published November 1995.~~ Dec., 10, 1995. Published November 1995. 2000. Published March 2001. Originally published as E 1385 – 90. Last previous edition E 1385 – 90₅.