

THE ROLE OF THE FORENSIC LABORATORY IN FIRE INVESTIGATIONS

TRACE EVIDENCE (and associated physical evidence)

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800-900 Introduction and Overview

- 1) Virginia Department of Forensic Science
 - a. Disciplines other than Trace Evidence and their capabilities
 - b. Subdisciplines
- 2) Trace Evidence
 - b. Subdisciplines

900-910 Break

910-1000 Recognition, Collection and Preservation of Explosives Evidence

- 1) Types of Explosives
- 2) Improvised Explosive Devices (IEDs)
- 3) Packaging
- 4) Report Wording

1000-1045 Recognition, Collection and Preservation of Fire Debris Evidence

- 1) Recognition
- 2) Collection and Packaging
- 3) Hydrocarbon detectors and Accelerant Detection Canines
- 4) Contamination and how to avoid it
- 5) Petroleum laced background

1045-1100 Break

1100-1145 Recognition, Collection and Preservation of Fire Debris Evidence (continued)

- 6) Laboratory capabilities
- 7) Laboratory analysis
- 8) Report wording – recent changes and pending changes

1145-1215 Hands-on activities for fire debris

- 1) Packaging
- 2) Data evaluation
- 3) Hydrocarbon detector
- 4) Explosives Exemplars

1215-1315 Lunch

1315-1345 Clandestine Methamphetamine Laboratories

1345-1415 Collection and Packaging of Biological Fluids

- 1) Laboratory Analysis
- 2) Conclusions/Report Wording

1415-1430 Break

1430-1500 The Role of Questioned Documents in Fire Debris and Explosives Investigations

1500-1545 Collection and Packaging of Latent Prints

1. Laboratory Analysis
2. Conclusions/Report Wording

1545-1600 Review and Course Evaluation

