

THE ROLE OF THE FORENSIC LABORATORY IN FIRE INVESTIGATIONS

TRACE EVIDENCE (and associated physical evidence)

March 5, 2015; 0800-1530 hrs

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(TENTATIVE SCHEDULE)

0800 – 0845 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

0845 – 0900 Break

0900 – 1130 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
- 6) Laboratory capabilities
- 7) Laboratory analysis
- 8) Report wording – recent changes and pending changes

1130-1230 Lunch

1230 – 1315 Recognition, Collection and Preservation of Explosives Evidence

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

1315 – 1400 Clandestine Methamphetamine Laboratories

1400 – 1415 Break

1415 – 1445 Collection and Packaging of Biological Fluids

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

1445 – 1515 Collection and Packaging of Latent Prints

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

1515 – 1530 Review and Course Evaluation

