

Course Outline for Environmental Forensics, Session 2, March 22, 2022, 10 am – 2:15 pm***Environmental Forensics of Non-Hydrocarbon Chemicals: Survey of Applications, Approaches, Capabilities, and Limitations***

- 10:00-10:15 AM Introduction to Environmental Forensics of Synthetic Organic Compounds and Byproducts
- 10:15-11:00AM PCB chemistry, sources, analysis, and forensics
Includes case studies
- 11:00-11:30 AM PCDD/PCDF chemistry, sources, analysis, and forensics
Includes case studies

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| Q&A |
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30-minute Break 11:45-12:15

- 12:15 – 12:35 PCA and PCDD/PCDF case study 2 [DMM]
- 12:35-1:00 PM Chlorinated solvents chemistry, sources, analysis, and forensics
Includes case studies
- 1:00-1:30 PM PFAS chemistry, sources, analysis, and forensics
Includes case studies
- 1:30-2:00 PM Miscellaneous Topics
- Emerging and Special Methods
- Environmental Forensics conceptual site models
- Alibis - what information excludes a source – e.g., no pathway
- Costs and strategies for cost control
- Field screening
- Iterative testing
- Over sampling

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| Q&A |
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2:15 PM Adjourn