



Forensic Toxicology

at the

North Carolina State Crime Lab

N.C. Department of Justice

Presenter:

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NCSCL Toxicology

Drug Screening Tests (ELISA immunoassay)

1. Cocaine Metabolite (Benzoylecgonine)
2. Opiates
3. Barbiturates
4. Benzodiazepines
5. Methadone
6. Carisoprodol/Meprobamate
7. Cannabinoids
8. Amphetamine/MDA
9. Methamphetamine/MDMA
10. Tramadol
11. Zolpidem
12. Oxycodone/Oxymorphone

Instruments used in the Toxicology section:

- Gas Chromatograph with a Headspace auto-sampler (HS-GC)
 - o Used for Blood Alcohol Concentration (BAC) testing
- Gas Chromatograph / Mass Spectrometer
 - o Used to identify specific drugs
- Liquid Chromatograph / Tandem Mass Spectrometer (LC/MS/MS)
 - o Used to identify specific drugs