

# Example of a Positive Toxicology Final Report



Armed Forces  
Medical Examiner  
System

A

DEFENSE HEALTH AGENCY  
115 PURPLE HEART DRIVE  
DOVER AIR FORCE BASE, DELAWARE 19902

FORENSIC TOXICOLOGY EXAMINATION  
FINAL REPORT CASE 239999

B

Name: Doe, Jane  
SSN/DoD: 000-00-0000  
Case Type: DWI  
ME Number: N/A  
Incident Date: 24-May-2023

C

Received Date: 01-Jun-2023  
Report Issue 08-Jun-2023

B

MEDICAL EXAMINER  
ARMED FORCES MEDICAL EXAMINER  
SYSTEM  
115 PURPLE HEART DRIVE  
DOVER AFB DE 19902

## EVIDENCE.

D

| <u>Item #</u> | <u>Specimen</u> | <u>Volume and Container</u> | <u>Condition</u> |
|---------------|-----------------|-----------------------------|------------------|
| 239999-01     | Blood           | 5 mL gray top vial          | GOOD             |
| 239999-02     | Blood           | 4 mL gray top vial          | GOOD             |

## SCREENS.

E

| <u>Completed</u> | <u>Item #</u> | <u>Assay</u>                            | <u>Cut Off</u> | <u>Method</u>    |
|------------------|---------------|-----------------------------------------|----------------|------------------|
| 01-Jun-2023      | 239999-01     | Synthetic cannabinoids (QTOF)           | Variable       | LC-TOF/MS        |
| 01-Jun-2023      | 239999-01     | Expanded drug panel                     | Variable       | LC-TOF/MS        |
| 01-Jun-2023      | 239999-01     | Drugs of abuse panel                    | Variable       | Immunoassay      |
| 02-Jun-2023      | 239999-01     | Ethanol, methanol, isopropanol, acetone | 0.020 g%       | Headspace GC-FID |

## CONFIRMS.

F

| <u>Completed</u> | <u>Item #</u> | <u>Analyte</u>                                | <u>Result</u>    | <u>Cut Off</u> | <u>Method</u>    |
|------------------|---------------|-----------------------------------------------|------------------|----------------|------------------|
| 07-Jun-2023      | 239999-01     | Ethanol                                       | 0.156 ± 0.023 g% | 0.020 g%       | Headspace GC-FID |
| 06-Jun-2023      | 239999-02     | Delta-9-tetrahydrocannabinol                  | 11 ng/mL         | 1 ng/mL        | LC-MS/MS         |
| 06-Jun-2023      | 239999-02     | 11-Hydroxy-tetrahydrocannabinol               | Present          | 1 ng/mL        | LC-MS/MS         |
| 06-Jun-2023      | 239999-02     | 11-Nor-9-carboxy-delta-8-tetrahydrocannabinol | 168 ng/mL        | 5 ng/mL        | LC-MS/MS         |

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For the AFMES, Division of Forensic Toxicology policy regarding retention and disposition of specimens, please read the publication "Toxicology Submission Guidelines" found at <https://www.health.mil/Military-Health-Topics/Health-Readiness/AFMES/Forensic-Toxicology> under the heading "Guidelines for the Collection and Shipment of Toxicology Specimens." Blood ethanol measurement uncertainty is reported at a coverage probability of 95.45%.



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FINAL REPORT CASE 239999**

H

REVIEW AND RELEASED BY:

Signature

Certifying Toxicologist

REVIEW AND RELEASED BY:

Signature

Certifying Toxicologist

### Contents of the Toxicology Report

- A) Armed Forces Medical Examiner System, Division of Forensic Toxicology (AFMES DFT) mailing address, toxicology report type (i.e., Final, Amended, or Supplemental), and DFT case number.
- B) Case demographics and mailing address of the command/requester receiving the report. This information is captured from the AFMES Form 18 submitted with the case.
- Information will not appear if there is a discrepancy in the paperwork submitted with the case or if information is not provided and/or legible.
- C) The date DFT received the specimen(s) is the *Received Date*. The date the first certifying toxicologist performed a review and generated the report is the *Report Issue Date*.
- D) Lists the specimen type, volume of the specimen, container the specimen is stored in, and condition of the specimen.
- Only specimens that were used for testing will appear in this section.
  - Each specimen is provided a unique specimen identification number which is displayed in the *Item #* column. This number is also used in the *Screens (E)* and *Confirms (F)* sections.
- E) Displays all screening assays performed for the case, the date the assay was completed, the method used, and the cut-off of the assay.
- The *Cut Off* column refers to the lowest concentration of a compound that will be sent on for confirmation testing.
  - Variable* means the compounds in the screening method have different reporting cut off concentrations.
- F) Compounds that are reportable will appear in this section.
- The phrase "None detected" will appear for all cases with negative or non-reportable results.
  - For positive results, information about the confirmation testing methodology, reporting cutoff, specimen tested, and the date of testing will be displayed.
  - A compound may be reported qualitatively as "Present" or quantitatively with the numerical value and units of measurement.
  - All quantitative blood ethanol results will also have the calculated measurement of uncertainty reported (See Explanation of Measurement Uncertainty MFR for information).
  - The *Cut Off* column refers to the lowest concentration of a compound that will be reported positive for the assay.
- G) Additional sections of the report will appear here if the case warrants it.
- If an amended report is needed, the reason for the revision will be described here. The section will be labeled *Amended*.
  - If testing was performed by a third-party laboratory, a section labeled "*Outsource*" will appear. The item #, test performed, laboratory who performed the testing, and status of the testing will appear in this section.
- H) Certifying Toxicologist Signatures
- Two certifying toxicologists are required to review the case and all data associated with the case before the report is released. The signatures designate the review has been performed.