

# FORENSIC TOXICOLOGY REPORT



FAA Civil Aerospace Medical Institute  
Bioaeronautical Sciences Research Branch, Forensic Sciences  
P.O. Box 25082, Oklahoma City, Oklahoma 73125  
Ph: 405-954-6254, Fax: 405-954-3705



January 27, 2023

**NAME** [REDACTED]

**CAMI #** 202200207001

**NTSB #** ERA23FA048

**LOCATION** Harlan, KY

**MODE** Aviation

**N #** 84R

**DATE OF ACCIDENT** 11/3/2022

**DATE RECEIVED** 11/10/2022

**STATUS** FATAL

**SPECIMENS** Brain, Heart, Kidney, Liver, Lung, Muscle, Spleen

**PUTREFACTION** No

## Screening tests employed

Liver - Volatiles (HS GC/FID)  
Brain - Volatiles (HS GC/FID)  
Liver - Drugs of abuse (Immunoassay)  
Liver - General drug screen (LC/MS, GC/MS)

| <u>Analyte</u>   | <u>Result</u>      | <u>Specimen</u> | <u>Instrument</u> |
|------------------|--------------------|-----------------|-------------------|
| Ethanol          | Not Detected       | Liver           | HSGC/FID          |
| Ethanol          | Not Detected       | Brain           | HSGC/FID          |
| Phentermine      | 2473 (ng/mL, ng/g) | Liver           | GC/MS             |
| Phentermine      | Detected           | Lung            | GC/MS             |
| Phentermine      | 1404 (ng/mL, ng/g) | Kidney          | GC/MS             |
| Phentermine      | 286 (ng/mL, ng/g)  | Muscle          | GC/MS             |
| Phentermine      | 1043 (ng/mL, ng/g) | Brain           | GC/MS             |
| Methamphetamine  | Inconclusive       | Liver           | GC/MS             |
| Methamphetamine  | Detected           | Lung            | GC/MS             |
| Methamphetamine  | Unsuitable         | Kidney          | GC/MS             |
| Methamphetamine  | Detected           | Muscle          | GC/MS             |
| Methamphetamine  | 40 (ng/mL, ng/g)   | Brain           | GC/MS             |
| Chlorpheniramine | Detected           | Liver           | GC/MS             |
| Chlorpheniramine | Detected           | Muscle          | GC/MS             |
| Dextrophan       | Detected           | Liver           | LC/MS             |
| Dextrophan       | Detected           | Muscle          | LC/MS             |

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## CONTINUATION

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| <u>Analyte</u>   | <u>Result</u> | <u>Specimen</u> | <u>Instrument</u> |
|------------------|---------------|-----------------|-------------------|
| Dextromethorphan | Detected      | Liver           | LC/MS             |
| Dextromethorphan | Detected      | Muscle          | LC/MS             |

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Russell Lewis, Ph.D., F-ABFT  
Manager, Bioaeronautical Sciences Research Branch  
Civil Aerospace Medical Institute, FAA

This record may be releasable under the FOIA request 15 days after signature date, unless FOIA exemptions apply.  
Results listed in this report relate to tested specimen(s) only. See Forensic Toxicology web site for testing methodology and cutoffs as well as drug, FOIA, and contact information.  
<http://www.faa.gov/go/toxlab>