



# FORENSIC TOXICOLOGY REPORT

FAA Civil Aerospace Medical Institute  
Bioaeronautical Sciences Research Branch, Forensic Sciences  
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November 19, 2019

**NAME** [REDACTED]  
**LOCATION** Monclova, OH  
**DATE OF ACCIDENT** 9/11/2019

**CAMI #** 201900211002  
**MODE** Aviation  
**DATE RECEIVED** 9/20/2019

**NTSB #** CEN19MA312  
**N #** 24DR  
**STATUS** FATAL

**SPECIMENS** Bile, Blood (Heart), Gastric, Heart, Kidney, Liver, Lung, Muscle, Spleen, Vitreous

**PUTREFACTION** Yes

## Screening tests employed

Blood (Heart) - Carboxyhemoglobin (UV/VIS)  
Vitreous - Volatiles (HS GC/FID)  
Blood - Volatiles (HS GC/FID)  
Vitreous - Glucose (Chemical Analyzer)  
Blood - Drugs of abuse (Immunoassay)  
Blood - General drug screen (LC/MS, GC/MS)

| <u>Analyte</u>    | <u>Result</u>     | <u>Specimen</u> | <u>Instrument</u> |
|-------------------|-------------------|-----------------|-------------------|
| Carboxyhemoglobin | Not Detected      | Blood (Heart)   | UV/VIS            |
| Ethanol           | 20 (mg/dL, mg/hg) | Blood (Heart)   | HSGC/FID          |
| Ethanol           | Not Detected      | Vitreous        | HSGC/FID          |
| Propanol (N-)     | Detected          | Blood (Heart)   | HSGC/FID          |
| Glucose           | 33 (mg/dL)        | Vitreous        | Analyzer          |
| Verapamil         | Detected          | Blood (Heart)   | LC/MS             |
| Verapamil         | Detected          | Liver           | LC/MS             |
| Norverapamil      | Detected          | Blood (Heart)   | LC/MS             |
| Norverapamil      | Detected          | Liver           | LC/MS             |

[REDACTED]  
Russell Lewis, Ph.D., F-ABFT  
Supervisor, Forensic Sciences  
Bioaeronautical Sci. Research Lab  
CAMI, FAA

c=US, o=U.S. Government, ou=AMC, ou=AMC,  
cn=RUSSELL J LEWIS  
2019.11.20 13:58:35 -06'00'

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>