

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



October 17, 2024

NAME [REDACTED]

CAMI # 202400147001

NTSB # ERA24LA346

LOCATION Mooresburg, TN

MODE Aviation

N# 21811

DATE OF ACCIDENT 8/16/2024

DATE RECEIVED 8/22/2024

STATUS FATAL

SPECIMENS Bile, Blood (Femoral), Blood (Heart), Brain, Gastric, Heart, Kidney, Liver, Lung, Muscle, Spinal Fluid, Spleen, Vitreous

PUTREFACTION No

Screening tests employed

Blood (Heart) - Carboxyhemoglobin (UV/VIS)
Vitreous - Volatiles (HS GC/FID)
Blood (Femoral) - Volatiles (HS GC/FID)
Vitreous - Glucose (Chemical Analyzer)
Blood (Femoral) - Drugs of abuse (Immunoassay)
Blood (Femoral) - 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	114 (mg/dL, mg/hg)	Blood (Femoral)	HSGC/FID
Ethanol	132 (mg/dL, mg/hg)	Vitreous	HSGC/FID
Methanol	Detected	Blood (Femoral)	HSGC/FID
Methanol	Not Detected	Vitreous	HSGC/FID
Glucose	Not Detected	Vitreous	Analyzer
Delta-9-THC	Not Detected	Blood (Femoral)	LC/MS
Delta-9-THC	Detected	Liver	LC/MS
Carboxy-Delta-9-THC	Not Detected	Blood (Femoral)	LC/MS
Carboxy-Delta-9-THC	4.1 (ng/mL, ng/g)	Liver	LC/MS
11-Hydroxy-THC	Not Detected	Blood (Femoral)	LC/MS
11-Hydroxy-THC	2.2 (ng/mL, ng/g)	Liver	LC/MS

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CONTINUATION

CAMI # 202400147001

NAME [REDACTED]

<u>Analyte</u>	<u>Result</u>	<u>Specimen</u>	<u>Instrument</u>
Amphetamine	95 (ng/mL, ng/g)	Blood (Femoral)	GC/MS
Amphetamine	589 (ng/mL, ng/g)	Liver	GC/MS
Methamphetamine	899 (ng/mL, ng/g)	Blood (Femoral)	GC/MS
Methamphetamine	5301 (ng/mL, ng/g)	Liver	GC/MS
Sildenafil	Not Detected	Blood (Femoral)	LC/MS
Sildenafil	Detected	Liver	LC/MS
Desmethysildenafil	Detected	Blood (Femoral)	LC/MS
Desmethysildenafil	Detected	Liver	LC/MS
Phenylpropanolamine	Detected	Blood (Femoral)	GC/MS
Phenylpropanolamine	Not Detected	Liver	GC/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>