

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



December 5, 2022

NAME [REDACTED]

CAMI # 202200185001

NTSB # CEN22FA436

LOCATION Allentown, PA

MODE Aviation

N # 7329F

DATE OF ACCIDENT 9/28/2022

DATE RECEIVED 10/4/2022

STATUS FATAL

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

PUTREFACTION No

Screening tests employed

Blood (Heart) - Carboxyhemoglobin (UV/VIS)

Blood (Heart) - Volatiles (HS GC/FID)

Vitreous - Glucose (Chemical Analyzer)

Urine - Glucose (Chemical Analyzer)

Urine - Drugs of abuse (Immunoassay)

Urine - 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	Not Detected	Blood (Heart)	HSGC/FID
Glucose	48 (mg/dL)	Vitreous	Analyzer
Glucose	Not Detected	Urine	Analyzer
Delta-9-THC	Negative	Blood (Heart)	LC/MS
Delta-9-THC	1.1 (ng/mL, ng/g)	Urine	LC/MS
Carboxy-Delta-9-THC	3 (ng/mL, ng/g)	Blood (Heart)	LC/MS
Carboxy-Delta-9-THC	69.3 (ng/mL, ng/g)	Urine	LC/MS
11-Hydroxy-THC	Negative	Blood (Heart)	LC/MS
11-Hydroxy-THC	18.2 (ng/mL, ng/g)	Urine	LC/MS
Morphine	Negative	Blood (Heart)	LC/MS
Morphine	29 (ng/mL, ng/g)	Urine	LC/MS
Hydromorphone	Negative	Blood (Heart)	LC/MS
Hydromorphone	1 (ng/mL, ng/g)	Urine	LC/MS

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CONTINUATION

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<u>Analyte</u>	<u>Result</u>	<u>Specimen</u>	<u>Instrument</u>
Codeine	Negative	Blood (Heart)	LC/MS
Codeine	104 (ng/mL, ng/g)	Urine	LC/MS
Dihydrocodeine	Negative	Blood (Heart)	LC/MS
Dihydrocodeine	3 (ng/mL, ng/g)	Urine	LC/MS
Hydrocodone	Negative	Blood (Heart)	LC/MS
Hydrocodone	15 (ng/mL, ng/g)	Urine	LC/MS

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-06'00'

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.