



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



June 15, 2022

NAME **Pilot**

CAMI # 202200068001

NTSB # ERA22LA220

LOCATION Tybee Island, GA

MODE Aviation

N # 24LA

DATE OF ACCIDENT 5/6/2022

DATE RECEIVED 5/19/2022

STATUS FATAL

SPECIMENS Blood (Femoral), Blood (Heart), Body Fluid, Brain, Gastric, Heart, Kidney, Liver, Lung, Muscle, Spleen

PUTREFACTION Yes

Screening tests employed

Blood (Heart) - Carboxyhemoglobin (UV/VIS)
Spleen - Volatiles (HS GC/FID)
Kidney - Volatiles (HS GC/FID)
Brain - Volatiles (HS GC/FID)
Blood (Heart) - Volatiles (HS GC/FID)
Blood (Heart) - Drugs of abuse (Immunoassay)
Blood (Heart) - 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	116 (mg/dL, mg/hg)	Blood (Heart)	HSGC/FID
Ethanol	98 (mg/dL, mg/hg)	Kidney	HSGC/FID
Ethanol	152 (mg/dL, mg/hg)	Spleen	HSGC/FID
Ethanol	97 (mg/dL, mg/hg)	Brain	HSGC/FID
Isopropanol	Detected	Blood (Heart)	HSGC/FID
Isopropanol	Not Detected	Brain	HSGC/FID
Isopropanol	Not Detected	Kidney	HSGC/FID
Isopropanol	Not Detected	Spleen	HSGC/FID

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CONTINUATION

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NAME

Pilot

<u>Analyte</u>	<u>Result</u>	<u>Specimen</u>	<u>Instrument</u>
Propanol (N-)	Detected	Blood (Heart)	HSGC/FID
Propanol (N-)	Detected	Kidney	HSGC/FID
Propanol (N-)	Detected	Spleen	HSGC/FID
Propanol (N-)	Detected	Brain	HSGC/FID
N-Butanol	Detected	Blood (Heart)	HSGC/FID
N-Butanol	Detected	Kidney	HSGC/FID
N-Butanol	Detected	Spleen	HSGC/FID
N-Butanol	Detected	Brain	HSGC/FID
Metoprolol	Detected	Blood (Heart)	LC/MS
Metoprolol	Detected	Liver	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>