

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



July 18, 2023

NAME [REDACTED]
LOCATION Macon, NC
DATE OF ACCIDENT 5/21/2023

CAMI # 202300076001
MODE Aviation
DATE RECEIVED 5/25/2023

NTSB # ERA23LA240
N # 182LG
STATUS FATAL

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

PUTREFACTION No

Screening tests employed

Blood (Heart) - Carboxyhemoglobin (UV/VIS)
Blood (Heart) - Volatiles (HS GC/FID)
Vitreous - Glucose (Chemical Analyzer)
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	Not Detected	Blood (Heart)	HSGC/FID
Glucose	Not Detected	Vitreous	Analyzer
Cetirizine	32 (ng/mL, ng/g)	Blood (Heart)	LC/MS
Cetirizine	223 (ng/mL, ng/g)	Liver	LC/MS
Fentanyl	2.4 (ng/mL, ng/g)	Blood (Heart)	LC/MS
Fentanyl	17.2 (ng/mL, ng/g)	Liver	LC/MS
Norfentanyl	1.7 (ng/mL, ng/g)	Blood (Heart)	LC/MS
Norfentanyl	18.6 (ng/mL, ng/g)	Liver	LC/MS
Midazolam	115 (ng/mL, ng/g)	Blood (Heart)	LC/MS
Midazolam	1038 (ng/mL, ng/g)	Liver	LC/MS
Hydromorphone	552 (ng/mL, ng/g)	Blood (Heart)	LC/MS
Hydromorphone	445 (ng/mL, ng/g)	Liver	LC/MS
Naproxen	Detected	Blood (Heart)	LC/MS
Naproxen	Detected	Liver	LC/MS

2023.07.19 17:03:21
-05'00'

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



July 18, 2023

CONTINUATION

CAMI # 202300076001

NAME



<u>Analyte</u>	<u>Result</u>	<u>Specimen</u>	<u>Instrument</u>
Famotidine	Detected	Blood (Heart)	LC/MS
Famotidine	Detected	Liver	LC/MS

2023.07.19 17:03:04 -05'00'

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.

<http://www.faa.gov/go/toxlab>