

FORENSIC TOXICOLOGY REPORT



FAA Civil Aerospace Medical Institute
Bioaeronautical Sciences Research Branch, Forensic Sciences
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February 12, 2024

NAME [REDACTED]
LOCATION Mooresville, NC
DATE OF ACCIDENT 12/31/2023

CAMI # 202400003001
MODE Aviation
DATE RECEIVED 1/5/2024

NTSB # ERA24FA078
N # 539MA
STATUS FATAL

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

PUTREFACTION No

Screening tests employed

Blood (Aortic) - Carboxyhemoglobin (UV/VIS)
Blood (Aortic) - 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 (Aortic)	UV/VIS
Ethanol	Not Detected	Blood (Aortic)	HSGC/FID
Glucose	Not Detected	Vitreous	Analyzer
Glucose	Not Detected	Urine	Analyzer
Diphenhydramine	42 (ng/mL, ng/g)	Blood (Aortic)	GC/MS
Diphenhydramine	576 (ng/mL, ng/g)	Urine	GC/MS
Losartan	Detected	Blood (Aortic)	LC/MS
Losartan	Detected	Urine	LC/MS
Atorvastatin	Detected	Blood (Aortic)	LC/MS
Atorvastatin	Detected	Urine	LC/MS
Acetaminophen	Detected	Blood (Aortic)	LC/MS
Acetaminophen	Detected	Urine	LC/MS
Ibuprofen	Detected	Blood (Aortic)	GC/MS
Ibuprofen	Detected	Urine	GC/MS

[REDACTED] 2024.02.14 07:58:58 -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.

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