

FORENSIC TOXICOLOGY REPORT



FAA Civil Aerospace Medical Institute
Bioaeronautical Sciences Research Branch, Forensic Sciences
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April 22, 2022

NAME Pilot

CAMI # 202200035001

NTSB # ERA22FA141

LOCATION St. Augustine, FL

MODE Aviation

N # 100NG

DATE OF ACCIDENT 3/2/2022

DATE RECEIVED 3/8/2022

STATUS FATAL

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

PUTREFACTION Yes

Screening tests employed

Blood (Heart) - Carboxyhemoglobin (UV/VIS)
Vitreous - Volatiles (HS GC/FID)
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	10 (mg/dL, mg/hg)	Blood (Heart)	HSGC/FID
Ethanol	Not Detected	Vitreous	HSGC/FID
Glucose	65 (mg/dL)	Vitreous	Analyzer
Midazolam	4 (ng/mL, ng/g)	Blood (Heart)	LC/MS
Midazolam	22 (ng/mL, ng/g)	Liver	LC/MS
Lorazepam	39 (ng/mL, ng/g)	Blood (Heart)	LC/MS
Lorazepam	415 (ng/mL, ng/g)	Liver	LC/MS
Vilazodone	49 (ng/mL)	Blood (Heart)	LC/MS
Vilazodone	2798 (ng/mL)	Liver	LC/MS
Naltrexol (6-beta)	Detected	Blood (Heart)	LC/MS
Naltrexol (6-beta)	Detected	Liver	LC/MS

2022.04.27 13:19:28 -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>