

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



January 11, 2023

NAME **PILOT**

CAMI # 202200223001

NTSB # ERA23FA070

LOCATION Charlotte, NC

MODE Aviation

N # 7094J

DATE OF ACCIDENT 11/22/2022

DATE RECEIVED 12/2/2022

STATUS FATAL

SPECIMENS Bile, Brain, *Evidence, Gastric, Heart, Kidney, Liver, Lung, Muscle, Spleen, Urine, Vitreous

PUTREFACTION No

Screening tests employed

- Urine - 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)

Analyte	Result	Specimen	Instrument
Ethanol	Not Detected	Urine	HSGC/FID
Glucose	Not Detected	Vitreous	Analyzer
Glucose	Not Detected	Urine	Analyzer
Quinine	Detected	Urine	GC/MS
Quinine	Detected	Liver	GC/MS
Tramadol	19593 (ng/mL, ng/g)	Urine	LC/MS
Tramadol	2446 (ng/mL, ng/g)	Liver	LC/MS
Desmethytramadol (O-)	5199 (ng/mL, ng/g)	Urine	LC/MS
Desmethytramadol (O-)	267 (ng/mL, ng/g)	Liver	LC/MS
Desmethytramadol (N-)	3737 (ng/mL, ng/g)	Urine	LC/MS
Desmethytramadol (N-)	583 (ng/mL, ng/g)	Liver	LC/MS

Note: * Evidence consisted of a small container with three types of medications. These medications were visually identified by their color, shape and markings as ibuprofen, acetaminophen, and prednisone.

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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>