

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



February 29, 2024

NAME **PILOT**

CAMI # 202300171001

NTSB # ERA23LA342

LOCATION Greer, SC

MODE Aviation

N # 9360S

DATE OF ACCIDENT 8/20/2023

DATE RECEIVED 10/6/2023

STATUS FATAL

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

PUTREFACTION No

Screening tests employed

- Blood (Iliac) - Carboxyhemoglobin (UV/VIS)
- Blood (Iliac) - Volatiles (HS GC/FID)
- Vitreous - Glucose (Chemical Analyzer)
- Blood (Iliac) - Drugs of abuse (Immunoassay)
- Blood (Iliac) - General drug screen (LC/MS, GC/MS)

<u>Analyte</u>	<u>Result</u>	<u>Specimen</u>	<u>Instrument</u>
Carboxyhemoglobin	Not Detected	Blood (Iliac)	UV/VIS
Ethanol	Not Detected	Blood (Iliac)	HSGC/FID
Glucose	22 (mg/dL)	Vitreous	Analyzer
Oxycodone	7 (ng/mL, ng/g)	Blood (Iliac)	LC/MS
Oxycodone	24 (ng/mL, ng/g)	Liver	LC/MS
Hydromorphone	8 (ng/mL, ng/g)	Blood (Iliac)	LC/MS
Hydromorphone	11 (ng/mL, ng/g)	Liver	LC/MS
Oxymorphone	Negative	Blood (Iliac)	LC/MS
Oxymorphone	2 (ng/mL, ng/g)	Liver	LC/MS
Gabapentin	1278 (ng/mL, ng/g)	Blood (Iliac)	LC/MS
Gabapentin	1812 (ng/mL, ng/g)	Liver	LC/MS
Lorazepam	18 (ng/mL, ng/g)	Blood (Iliac)	LC/MS
Lorazepam	73 (ng/mL, ng/g)	Liver	LC/MS
Methocarbamol	1732 (ng/mL, ng/g)	Blood (Iliac)	LC/MS
Methocarbamol	2140 (ng/mL, ng/g)	Liver	LC/MS

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CONTINUATION

CAMI # 202300171001

NAME **PILOT**

<u>Analyte</u>	<u>Result</u>	<u>Specimen</u>	<u>Instrument</u>
Fentanyl	0.7 (ng/mL, ng/g)	Blood (Iliac)	LC/MS
Fentanyl	6 (ng/mL, ng/g)	Liver	LC/MS
Norfentanyl	Detected	Blood (Iliac)	LC/MS
Norfentanyl	0.8 (ng/mL, ng/g)	Liver	LC/MS
Etomidate	Detected	Blood (Iliac)	LC/MS
Etomidate	Detected	Liver	LC/MS
Atorvastatin	Detected	Blood (Iliac)	LC/MS
Atorvastatin	Detected	Liver	LC/MS
Famotidine	Detected	Blood (Iliac)	LC/MS
Famotidine	Detected	Liver	LC/MS
Naproxen	Detected	Blood (Iliac)	LC/MS
Naproxen	Detected	Liver	LC/MS
Levetiracetam	Detected	Blood (Iliac)	LC/MS
Levetiracetam	Detected	Liver	LC/MS
Meloxicam	Detected	Blood (Iliac)	LC/MS
Meloxicam	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>