

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 20, 2023

NAME [REDACTED]

CAMI # 202200220001

NTSB # CEN23FA050

LOCATION Gage, OK

MODE Aviation

N # 2710D

DATE OF ACCIDENT 11/28/2022

DATE RECEIVED 11/30/2022

STATUS FATAL

SPECIMENS Bile, Blood (Cavity), Blood (Femoral), Blood (Heart), Brain, Gastric, Heart, Kidney, Liver, Lung, Muscle, Spleen, Urine, Vitreous

PUTREFACTION No

Screening tests employed

Blood (Cavity) - Carboxyhemoglobin (UV/VIS)
Vitreous - Volatiles (HS GC/FID)
Urine - Volatiles (HS GC/FID)
Blood (Cavity) - 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 (Cavity)	UV/VIS
Ethanol	378 (mg/dL, mg/hg)	Blood (Cavity)	HSGC/FID
Ethanol	431 (mg/dL, mg/hg)	Vitreous	HSGC/FID
Ethanol	471 (mg/dL, mg/hg)	Urine	HSGC/FID
Methanol	Not Detected	Blood (Cavity)	HSGC/FID
Methanol	Not Detected	Vitreous	HSGC/FID
Methanol	Detected	Urine	HSGC/FID
Glucose	Not Detected	Vitreous	Analyzer
Glucose	Not Detected	Urine	Analyzer
Phenobarbital	396 (ng/mL, ng/g)	Blood (Cavity)	GC/MS
Phenobarbital	338 (ng/mL, ng/g)	Urine	GC/MS

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CONTINUATION

CAMI # 202200220001

NAME [REDACTED]

<u>Analyte</u>	<u>Result</u>	<u>Specimen</u>	<u>Instrument</u>
Naltrexol (6-beta)	Detected	Blood (Heart)	LC/MS
Naltrexol (6-beta)	Detected	Urine	LC/MS
Cetirizine	8 (ng/mL, ng/g)	Blood (Femoral)	LC/MS
Cetirizine	76 (ng/mL, ng/g)	Urine	LC/MS
Hydroxyzine	6 (ng/mL, ng/g)	Blood (Femoral)	LC/MS
Hydroxyzine	7 (ng/mL, ng/g)	Urine	LC/MS
Bupropion	6 (ng/mL, ng/g)	Blood (Femoral)	LC/MS
Bupropion	9 (ng/mL, ng/g)	Urine	LC/MS
Hydroxybupropion	14 (ng/mL, ng/g)	Blood (Femoral)	LC/MS
Hydroxybupropion	53 (ng/mL, ng/g)	Urine	LC/MS
Doxepin	Detected	Blood (Femoral)	LC/MS
Doxepin	20 (ng/mL, ng/g)	Urine	LC/MS
Nordoxepin	13 (ng/mL, ng/g)	Blood (Femoral)	LC/MS
Nordoxepin	57 (ng/mL, ng/g)	Urine	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>