

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 1, 2022

LOCATION Bermuda Dunes, CA
DATE OF ACCIDENT 12/11/2021

CAMI # 202100219001
MODE Aviation
DATE RECEIVED 12/17/2021

NTSB # WPR22LA061
N # 9YY
STATUS FATAL

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

PUTREFACTION No

Screening tests employed

Blood - Hemoglobin A1c (Analyzer)
Blood - Carboxyhemoglobin (UV/VIS)
Blood (Heart) - Volatiles (HS GC/FID)
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	UV/VIS
Ethanol	Not Detected	Blood (Heart)	HSGC/FID
Glucose	199 (mg/dL)	Urine	Analyzer
Hemoglobin A1C	5.4 (%)	Blood	Analyzer
Ketamine	39 (ng/mL, ng/g)	Blood (Heart)	GC/MS
Ketamine	273 (ng/mL, ng/g)	Urine	GC/MS
Norketamine	Not Detected	Blood (Heart)	GC/MS
Norketamine	70 (ng/mL, ng/g)	Urine	GC/MS
Doxylamine	412 (ng/mL, ng/g)	Blood	GC/MS
Doxylamine	Detected	Urine	GC/MS
Gabapentin	6142 (ng/mL, ng/g)	Blood	LC/MS
Gabapentin	87010 (ng/mL, ng/g)	Urine	LC/MS
Fentanyl	15 (ng/mL, ng/g)	Blood	LC/MS
Fentanyl	51.8 (ng/mL, ng/g)	Urine	LC/MS

2022.02.01 09:24:18 -06'00'

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CONTINUATION

CAMI # 202100219001

NAME

<u>Analyte</u>	<u>Result</u>	<u>Specimen</u>	<u>Instrument</u>
Norfentanyl	0.1 (ng/mL, ng/g)	Blood	LC/MS
Norfentanyl	1.6 (ng/mL, ng/g)	Urine	LC/MS
Atropine	Detected	Blood	LC/MS
Atropine	Detected	Urine	LC/MS
Sildenafil	Detected	Blood	LC/MS
Sildenafil	Detected	Urine	LC/MS
Desmethysildenafil	Detected	Blood	LC/MS
Desmethysildenafil	Detected	Urine	LC/MS
Trimethoprim	Detected	Blood	LC/MS
Trimethoprim	Detected	Urine	LC/MS

2022.02.01 09:23:50 -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.