

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



December 23, 2019

NAME [REDACTED] CAMI # 201900251001 NTSB # WPR20FA018
LOCATION Brawley, CA MODE Aviation N # 7158X
DATE OF ACCIDENT 10/31/2019 DATE RECEIVED 11/8/2019 STATUS FATAL

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

PUTREFACTION No

Screening tests employed

Blood - Carboxyhemoglobin (UV/VIS)
Vitreous - Volatiles (HS GC/FID)
Urine - Volatiles (HS GC/FID)
Blood - 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
Carboxyhemoglobin	Not Detected	Blood	UV/VIS
Ethanol	219 (mg/dL, mg/hg)	Blood	HSGC/FID
Ethanol	259 (mg/dL, mg/hg)	Vitreous	HSGC/FID
Ethanol	320 (mg/dL, mg/hg)	Urine	HSGC/FID
Glucose	32 (mg/dL)	Vitreous	Analyzer
Glucose	14 (mg/dL)	Urine	Analyzer
Cocaine	Detected	Blood	GC/MS
Cocaine	505 (ng/mL, ng/g)	Urine	GC/MS
Benzoyllecgonine	29 (ng/mL, ng/g)	Blood	GC/MS
Benzoyllecgonine	179 (ng/mL, ng/g)	Urine	GC/MS
Cocaethylene	Negative	Blood	GC/MS
Cocaethylene	74 (ng/mL, ng/g)	Urine	GC/MS

c=US, o=U.S. Government, ou=AMC,
ou=AMC, cn=RUSSELL J LEWIS
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CONTINUATION

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NAME [REDACTED]

<u>Analyte</u>	<u>Result</u>	<u>Specimen</u>	<u>Instrument</u>
Ecgonine Methyl Ester	Detected	Blood	GC/MS
Ecgonine Methyl Ester	Detected	Urine	GC/MS

[REDACTED]
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2019.12.23 09:51:34 -06'00'

Russell Lewis, Ph.D., F-ABFT
Supervisor, Forensic Sciences
Bioaeronautical Sci. Research Lab
CAMI, 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>