



Mike Monroney Aeronautical Center P.O. Box 25082 Oklahoma City, Oklahoma 73125

Tuesday, April 9, 2019

National Transportation Safety Board

45065 Riverside Parkway

Ashburn, VA 20147

Pilot

ACCIDENT # 0044

INDIVIDUAL#: 001 NAME:

DATE OF ACCIDENT

DATE RECEIVED 03/05/2019

MODE: AVIATION

PUTREFACTION:

03/01/2019 N# 145AB

NTSB# ERA19FA112

CAMI REF# 201900044001

LOCATION OF ACCIDENT

Fort Lauderdale, FL

SPECIMENS

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

FINAL FORENSIC TOXICOLOGY FATAL ACCIDENT REPORT

CARBON MONOXIDE: The carboxyhemoglobin (COHb) saturation is determined by spectrophotometry with a 10% cut off and confirmed by chromatography.

NO CARBOXYHEMOGLOBIN detected in Blood (Cavity)

CYANIDE: The presence of cyanide is screened by Conway Diffusion, when the COHb level is equal to or greater than 10% or upon special request. Cyanides are quantitated by spectrophotometry and confirmed by chromatography. The reporting cutoff for cyanide is 0.25 ug/mL. Normal blood cyanide concentrations are less than 0.15 ug/mL, while lethal concentrations are greater than 3 ug/mL.

NOT PERFORMED

VOLATILES: The volatile concentrations are determined by headspace gas chromatography at a cut off of 10 mg/dL. Where possible, positive ethanol values are confirmed by Radiative Energy Attenuation.

NO ETHANOL detected in Blood (Cavity)

DRUGS: Specimens are analyzed using immunoassay, chromatography, mass spectrometry, or spectrophotometry. Concentrations (ug/mL) at or above those in () can be determined for, but not limited to, the following drugs: amphetamines (0.010), opiates (0.010), marihuana (0.001), cocaine (0.020), phencyclidine (0.002), benzodiazepines (0.030), barbiturates (0.060), antidepressants (0.100), and antihistamines (0.020). Drugs and/or their metabolites, that are not impairing or abused, may be reported from the initial tests. See the CAMI Drug Information Web Site for additional information (http://iag.cami.jccbi.gov/toxicology/).

NO DRUGS listed above detected in Urine

c=US, o=U.S. Government, ou=AMC, ou=AMC, cn=RUSSELL J LEWIS 2019.04.16 15:36:35 -05'00'

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



Broward County Office of the Medical Examiner and Trauma Services

Fort Lauderdale, Florida

Final Toxicology Report

BME2019-0619

Pilot

28 years old White Male

Date Of Birth

Case No:

BME2019-0619

Specimen Collection Date:

3/2/2019 08:15

Submitting Agency: Broward County Medical Examiner's Office

Specimen Received Date:

3/4/2019 08:32

Specimen:

Bile

Blood (chest)

Blood (CO)

Blood (peripheral)

Brain

Gastric

Liver

Urine Vitreous

Specimen Blood (CO)

Blood (peripheral)

Blood (peripheral)

Urine Vitreous **Procedure**

CO-Oximeter

GC/MS HSGC/FID

EIA Drug Screen

HSGC/FID

Drug Class

Carboxyhemoglobin Saturation

Basic Drug Screen

Ethanol

Ethanol

Result

Positive

Drugs not detected

None detected

Drugs not detected None detected

Gary W. Kunsman, Ph.D., F-ABFT

Toxicologist

Date reviewed: 3/18/2019

*** Specimens are retained and disposed of in accordance with Florida Administrative Code Rule 11G-2.004. ***

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Concentration

<1 %