THESE RECORDS MAY BE RELEASABLE UNDER THE FOIA REQUEST 15 DAYS AFTER SIGNATURE DATE UNLESS WE HEAR OTHERWISE FROM FAA NTSB COUNSEL



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

Friday, June 15, 2018

National Transportation Safety Board 45065 Riverside Parkway Ashburn, VA 20147

ACCIDENT # 0065 INDIVIDUAL#: 001 NAME: MODE: AVIATION

DATE OF ACCIDENT 04/19/2018 DATE RECEIVED 04/24/2018 PUTREFACTION: No

N# 451TD **NTSB#** CEN18FA144 **CAMI REF#** 201800065001

LOCATION OF ACCIDENT Williamsburg, PA

SPECIMENS Gastric, Heart, Kidney, Liver, Lung, Muscle

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.

NOT PERFORMED

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.

- 10 (mg/dL, mg/hg) Ethanol detected in Liver
- NO ETHANOL detected in Muscle

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://jag.cami.jccbi.gov/toxicology/).

- Diphenhydramine detected in Liver
- · Diphenhydramine detected in Muscle
- · Amlodipine detected in Kidney
- · Atenolol detected in Kidney
- Atenolol detected in Heart
- 0.039 (ug/mL, ug/g) Amino-clonazepam (7-) detected in Kidney
- 0.026 (ug/mL, ug/g) Amino-clonazepam (7-) detected in Lung



CONTINUATION OF REF#: 201800065001



Russell Lewis, Ph.D., F-ABFT Supervisor, Forensic Sciences Bioaeronautical Sci. Research Lab CAMI, FAA c=US, o=U.S. Government, ou=AMC, ou=AMC, cn=RUSSELL J LEWIS 2018.06.18 09:51:59 -05'00'