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 Oklahoma City, Oklahoma 73125

Administration

Wednesday, April 18, 2018

National Transportation Safety Board

Federal Way, WA 98003

ACCIDENT # 0050 INDIVIDUAL#: 001 **MODE: AVIATION** NAME:

PUTREFACTION: DATE OF ACCIDENT 03/26/2018 **DATE RECEIVED** 03/30/2018

> N# 213EJ NTSB# WPR18FA112 CAMI REF# 201800050001

LOCATION OF ACCIDENT Marina, CA

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

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 (Periph.)

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 (Periph.)

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/).

• NO DRUGS listed above detected in Blood (Periph.)

c=US, o=U.S. Government, ou=AMC, ou=AMC, cn=RUSSELL J LEWIS 2018.04.20 14:43:17 -05'00'

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