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



Federal Aviation Administration

Mike Monroney Aeronautical Center

P O. Box 25082 Oklahoma City, Oklahoma 73125

Tuesday, February 16, 2016

National Transportation Safety Board 505 South 336th Street, Suite 540 Federal Way, WA 98003

ACCIDENT # 0023

INDIVIDUAL#: 001 NAME: Gastwirth, Marsha G.

MODE: AVIATION

DATE OF ACCIDENT

01/28/2016

DATE RECEIVED 02/03/2016

PUTREFACTION: No

N# 9362P

NTSB# WPR16FA059

CAMI REF # 201600023001

LOCATION OF ACCIDENT Santa Rosa, CA

SPECIMENS

Bile, Blood, Blood (Cavity), Blood (Femoral), Gastric, Liver, 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.

>> 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.

>> NOT PERFORMED

DRUGS: Specimens are analyzed using immunoassay, chromatography, GC/MS, HPLC/MS, or GC/FTIR. 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/).

>> NOT PERFORMED

-Notes:

Samples from passengers are analyzed for CARBON MONOXIDE (COHb) only in cases of fire, and CYANIDE when COHb is equal to or greater than 10%, or upon special request, provided suitable blood samples were submitted.

Russell Lewis, Ph.D. TC, FAA, Forensic Toxicology Research Team CAMI

c=US, o=U.S. Government, ou=AMC, ou=AMC, cn=RUSSELL J LEWIS 2016.02.16 16:16:38 -06'00'

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



Federal Aviation Administration

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

Monday, March 07, 2016

National Transportation Safety Board 505 South 336th Street, Suite 540 Federal Way, WA 98003

ACCIDENT # 0023

INDIVIDUAL#: 002 NAME: MACKENZIE, DONALD G.

MODE: AVIATION

DATE OF ACCIDENT 01/28/2016

DATE RECEIVED 02/03/2016

PUTREFACTION: No

N# 9362P

NTSB# WPR16FA059

CAMI REF # 201600023002

LOCATION OF ACCIDENT Santa Rosa, CA

SPECIMENS

Bile, Blood (Cavity), Blood (Femoral), Liver, 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 CARBON MONOXIDE 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 Urine

DRUGS: Specimens are analyzed using immunoassay, chromatography, GC/MS, HPLC/MS, or GC/FTIR. 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/).

- >> Atenolol detected in Urine
- >> Atenolol detected in Blood (Femoral)
- >> Chlorthalidone detected in Urine
- >> Chlorthalidone detected in Blood (Femoral)

c=US, o=U.S. Government, ou=AMC, ou=AMC, cn=RUSSELL J LEWIS 2016.03.11 07:35:58 -06'00'

Russell Lewis, Ph.D. TC, FAA, Forensic Toxicology Research Team CAMI