



U.S. Department
of Transportation
**Federal Aviation
Administration**

Mike Monroney
Aeronautical Center

P.O. Box 25082
Oklahoma City, Oklahoma 73125

Monday, March 10, 2008

National Transportation Safety Board
624 Six Flags Drive, Suite 150
Arlington, TX 76011

ACCIDENT # 0030 INDIVIDUAL#: 001 NAME: GOSS, ROBERT L. MODE: AVIATION
DATE OF ACCIDENT 02/05/2008 DATE RECEIVED 02/14/2008 PUTREFACTION: No
N # 911VA NTSB # DFW08FA062 CAMI REF # 200800030001
LOCATION OF ACCIDENT S. PADRE ISLAND, TX
SPECIMENS Bile, Blood, Kidney, Liver, Muscle, Urine

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. Positive cyanides are quantitated by spectrophotometry and confirmed by chromatography. The limit of quantitation of 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: Immunoassay and chromatography are used to screen for legal and illegal drugs which include: amphetamine (0.010), opiates (0.010), marijuana (0.001), cocaine (0.020), phencyclidine (0.002), benzodiazepines (0.030), barbiturates (0.060), antidepressants (0.100), antihistamines (0.020), meprobamate (0.100), methaqualone (0.100), and nicotine (0.050). The values in () are the threshold values in ug/mL used to report positive results. Values below this concentration are normally reported as not detected. GC/Mass Spec, HPLC/Mass Spec, or GC/FTIR, is used to confirm most positive results.

>> NO DRUGS LISTED ABOVE DETECTED in Liver

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

Date: 2008.03.11 09:22:34 -05'00'