

DCA11MA076

Human Performance Factual Report

Attachment 2

Toxicological Test Results for the Pilot in Command

(2 pages)



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

Mike Monroney
Aeronautical Center

P.O. Box 25082
Oklahoma City, Oklahoma 73125

Wednesday, July 06, 2011

National Transportation Safety Board
4760 Oakland Street, Suite 500
Denver, CO 80239

ACCIDENT # 0063 INDIVIDUAL#: 003 NAME: [REDACTED] MODE: AVIATION
DATE OF ACCIDENT 04/02/2011 DATE RECEIVED 04/08/2011 PUTREFACTION: Yes
N # 652GD NTSB # CEN11MA258 CAMI REF # 201100063003
LOCATION OF ACCIDENT Roswell, NM
SPECIMENS Bile, Blood (Heart), Brain, Gastric, Heart, Kidney, Liver, Lung, Muscle, Spleen, 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.

>> 27 (%) CARBON MONOXIDE detected in Blood (Heart)

CYANIDE: The presence of cyanide is screened by Conway Diffusion. Positive 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.

>> NO CYANIDE detected in Blood (Heart)

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.

>> 29 (mg/dL, mg/hg) ETHANOL detected in Blood (Heart)
>> NO ETHANOL detected in Vitreous
>> NO ETHANOL detected in Brain
>> 2 (mg/dL, mg/hg) N-PROPANOL detected in Blood (Heart)

-Notes:


-The ethanol found in this case is from sources other than ingestion.

DRUGS: Immunoassay and/or chromatography are used to screen for drugs. GC/Mass Spec, HPLC/Mass Spec, or GC/FTIR is used to confirm most positive results. 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), marijuana (0.001), cocaine (0.020), phencyclidine (0.002), benzodiazepines (0.030), barbiturates (0.060), antidepressants (0.100), and antihistamines (0.020). For comprehensive information concerning all drugs detected by the laboratory, see the CAMI Drug Information Web Site <http://jag.cami.jccbi.gov/toxicology/>.

>> Atorvastatin detected in Liver
>> Atorvastatin detected in Blood (Heart)
>> Brompheniramine detected in Liver
>> 0.098 (ug/ml, ug/g) Brompheniramine detected in Blood (Heart)

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CONTINUATION OF REF#: 201100063003 - 

 Date: 2011.07.14 12:32:18 -05'00'

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