

## **Attachment 14**

**to Operational Factors / Human Performance Group Chairman's Factual Report**

**DCA00MA026**



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

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

Thursday, March 30, 2000

National Transportation Safety Board  
1515 W. 190th St., Suite 555  
Gardena, CA 90248

ACCIDENT # 0042    VICTIM # 001    NAME: STABLES, KEVIN P.    MODE: AVIATION ACCIDENT  
DATE OF ACCIDENT 02/16/2000    DATE RECEIVED 02/23/2000    PUTREFACTION: No  
LOCATION OF ACCIDENT RANCHO CORDOVA, CA    CAMI REF # 200000042001  
SPECIMENS    Blood, Brain, Gastric, Heart, Kidney, Liver, Lung, Muscle, Spleen, Urine, Vitreous

**FINAL FORENSIC TOXICOLOGY FATAL ACCIDENT REPORT**

**CARBON MONOXIDE:** The carboxyhemoglobin saturation was determined by spectrophotometry with a 10% cut off.

>> NO CARBON MONOXIDE detected in Blood

**CYANIDE:** The presence of cyanide was screened by Conway Diffusion. Positive cyanides are quantitated using spectrophotometry. 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 3ug/mL.

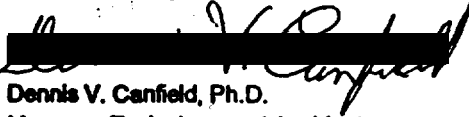
>> 0.46 (ug/ml) CYANIDE detected in Blood

**VOLATILES:** The volatile concentrations were determined by headspace gas chromatography at a cut off of 10 mg/dL. Where possible, positive ethanols were 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 Detected In Urine

  
Dennis V. Canfield, Ph.D.  
Manager, Toxicology and Accident  
Research Laboratory

APR 14 2000



U.S. Department  
of Transportation  
Federal Aviation  
Administration

COPIES MAY BE RELEASABLE UNDER THE FOIA REQUEST TO  
DAYS AFTER SIGNATURE DATE UNLESS WE HEAR OTHERWISE FROM  
FAA NTSB COUNSEL

Mike Monroney  
Aeronautical Center

P.O. Box 25082  
Oklahoma City, Oklahoma 73125

Thursday, March 30, 2000

National Transportation Safety Board  
1515 W. 190th St., Suite 555  
Gardena, CA 90248

ACCIDENT # 0042    VICTIM # 002    NAME: LAND, GEORGE Y.    MODE: AVIATION ACCIDENT  
DATE OF ACCIDENT 02/16/2000    DATE RECEIVED 02/23/2000    PUTREFACTION: No  
LOCATION OF ACCIDENT RANCHO CORDOVA, CA    CAMI REF # 200000042002  
SPECIMENS    Blood, Brain, Heart, Kidney, Liver, Lung, Muscle, Spleen, Urine

**FINAL FORENSIC TOXICOLOGY FATAL ACCIDENT REPORT**

**CARBON MONOXIDE:** The carboxyhemoglobin saturation was determined by spectrophotometry with a 10% cut off.

>> NOT PERFORMED.

**CYANIDE:** The presence of cyanide was screened by Conway Diffusion. Positive cyanides are quantitated using spectrophotometry. 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 3ug/mL.

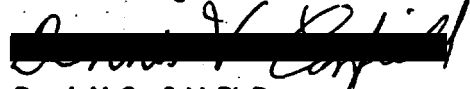
>> 0.68 (ug/ml) CYANIDE detected in Blood

**VOLATILES:** The volatile concentrations were determined by headspace gas chromatography at a cut off of 10 mg/dL. Where possible, positive ethanols were 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 Detected in Urine

  
Dennis V. Canfield, Ph.D.  
Manager, Toxicology and Accident  
Research Laboratory

APR 14 2000



U.S. Department  
of Transportation  
Federal Aviation  
Administration

Mike Monroney  
Aeronautical Center

P.O. Box 25082  
Oklahoma City, Oklahoma 73125

Thursday, March 30, 2000

National Transportation Safety Board  
1515 W. 190th St., Suite 555  
Gardena, CA 90248

ACCIDENT # 0042 VICTIM # 03 NAME: HICKS, RUSSELL E. MODE: AVIATION ACCIDENT  
DATE OF ACCIDENT 02/18/2000 DATE RECEIVED 02/23/2000 PUTREFACTION: No  
LOCATION OF ACCIDENT RANCHO CORDOVA, CA CAMI REF # 200000042000  
SPECIMENS Bile, Blood, Brain, Gastric, Heart, Kidney, Liver, Lung, Muscle, Spleen, Urine

**FINAL FORENSIC TOXICOLOGY FATAL ACCIDENT REPORT**

**CARBON MONOXIDE:** The carboxyhemoglobin saturation was determined by spectrophotometry with a 10% cut off.

>> NO CARBON MONOXIDE detected in Blood

**CYANIDE:** The presence of cyanide was screened by Conway Diffusion. Positive cyanides are quantitated using spectrophotometry. 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 1mg/ml.

>> NO CYANIDE detected in Blood

**VOLATILES:** The volatile concentrations were determined by headspace gas chromatography at a cut off of 10 mg/dL. Where possible, positive ethanols were 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 (0.050), 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 Detected in Urine

  
Dennis V. Campbell, Ph.D.  
Manager, Toxicology and Accident  
Research Laboratory

APR 14 2000