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

Federal Aviation Administration

Friday, March 03, 2000

National Transportation Safety Board Du Page Airport West Chicago, IL 60185

ACCIDENT # 0304

VICTIM# 001

NAME BRINELL, JOSEPH E.

MODE AVIATION ACCIDENT

DATE OF ACCIDENT 12/09/1999

DATE RECEIVED 12/14/1999

PUTREFACTION: No

LOCATION OF ACCIDENT BRANSON, MO

CAMIREF # 199900304001

SPECIMENS

Brain, Heart, Kidney, Liver, Lung, Muscle, Vitreous

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.

>> NOT PERFORMED.

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 Vitreous

DRUGS: Immunoassay and chromatography are used to screen for legal and illegal drugs which include: amphetamine (0.010), opiates (0.010), marihuana (0.001), cocaine (0.020), phencyclidine (0.002), benzodiazepines (0.030), barbiturates (0.060), antidepressants (0.100), antihistamines (0.020), meprobamate (0.100), methagualone (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.

>> 0.376 (ug/mL, ug/g) DOXEPIN detected in Kidney

>> 0.134 (ug/mL, ug/g) NORDOXEPIN detected in Kidney

>> 4.169 (ug/mL, ug/g) DOXEPIN detected in Liver

>> 1.886 (ug/mL, ug/g) NORDOXEPIN detected in Liver

Dennis V. Canfield, Ph.D.

MAR 0 8 2000

Manager, Toxicology and Accident

Research Laboratory



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

Federal Aviation Administration

Thursday, January 13, 2000

National Transportation Safety Board Du Page Airport West Chicago, IL 60185

CAMI CASE # 9900304002

NAME MOORE, BARTON A.

PUTREFACTION: No

DATE OF ACCIDENT 12/9/99

DATE RECEIVED 12/14/99

LOCATION OF ACCIDENT BRANSON, MO

LOCATION OF ACCIDEN

SPECIMENS

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.

>> 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.

>> NOT PERFORMED.

VOLATILES: The volatile concentrations were determined by headspace gas chromatography at a cut off of 10 mg/dL. All 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), marihuana (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.

>> 0.037 (ug/ml, ug/g) TETRAHYDROCANNABINOL (MARIHUANA) detected in Liver

>> 0.095 (ug/ml, ug/g) TETRAHYDROCANNABINOL CARBOXYLIC ACID (MARIHUANA) detected in Liver

>> 0.014 (ug/ml, ug/g) TETRAHYDROCANNABINOL CARBOXYLIC ACID (MARIHUANA)

JAN 2 5 2000

detected in Urine

Dennis V. Canfield, Ph.D.

Manager, Toxicology and Accident

Research Laboratory

1/)

Page 1 of 1