



U.S. Department
of Transportation
Federal Aviation
Administration

Mike Monroney
Aeronautical Center
February 10, 1997

P.O. Box 25082
Oklahoma City, Oklahoma 73125

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

CASE#: 9700014001 NAME: CARLSEN, DANN Putrefied: No
DATE OF INCIDENT : 010997 DATE RECEIVED: 011497
LOCATION OF ACCIDENT: IDA, MI
SPECIMENS RECEIVED : Blood, Liver, Lung, Kidney, Muscle, Heart

FORENSIC TOXICOLOGY FATAL ACCIDENT REPORT

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

--> NO Carboxyhemoglobin 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.

--> NO Cyanide detected in Blood

VOLATILES: The volatile concentrations were determined by headspace gas chromatography at a cutoff of 10 mg/dl. All positive blood and urine ethanol's above 20mg/dL were confirmed by Radiative Energy Attenuation.

--> 17.000 (mg/dL, mg/hg) Ethanol detected in Blood

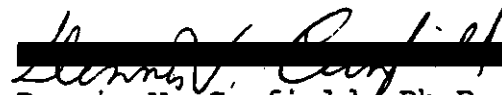
--> NO Ethanol detected in Heart

NOTE: The ethanol found in this case is most likely from postmortem ethanol production.

DRUGS: Immunoassay and chromatography are used to screen for abused drugs such as amphetamine(0.010), opiates(0.010), marijuana(0.001), cocaine(0.020), phencyclidine(0.002), benzodiazepines(0.030), barbiturates(0.060), and other drugs such as 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, or GC/FTIR, is used to confirm most positive results.

--> NO Drugs detected in Muscle


FEB 20 1997

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

page 1/1

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



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CASE#: 9700014002 NAME: REECE, KENNETH V. Putrefied: No
DATE OF INCIDENT : 010997 DATE RECEIVED: 011497
LOCATION OF ACCIDENT: IDA, MI
SPECIMENS RECEIVED : Bile, Liver, Lung, Kidney, Muscle, Heart

FORENSIC TOXICOLOGY FATAL ACCIDENT REPORT

CARBON MONOXIDE:

Carbon monoxide analysis was not performed due to a lack of suitable specimen.

CYANIDE:

Cyanide analysis was not performed due to a lack of suitable specimen.

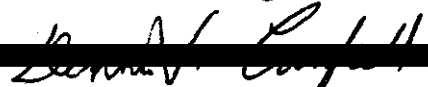
VOLATILES: The volatile concentrations were determined by headspace gas chromatography at a cutoff of 10 mg/dl. All positive blood and urine ethanol's above 20mg/dL were confirmed by Radiative Energy Attenuation.

- > NO Ethanol detected in Kidney
- > NO Ethanol detected in Muscle

DRUGS: Immunoassay and chromatography are used to screen for abused drugs such as amphetamine(0.010), opiates(0.010), marihuana(0.001), cocaine(0.020), phencyclidine(0.002), benzodiazepines(0.030), barbiturates(0.060), and other drugs such as 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, or GC/FTIR, is used to confirm most positive results.

- > NO Drugs detected in Muscle


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page 1/1