

DOCKET NO. **SA- 516**

EXHIBIT NO. **19B**

**NATIONAL TRANSPORTATION SAFETY BOARD  
WASHINGTON, D.C**

**ATTACHMENTS TO**

**MEDICAL/FORENSIC  
GROUP CHAIRMAN'S FACTUAL  
REPORT OF INVESTIGATION**

**FLIGHTCREW TOXICOLOGICAL REPORTS (7)**

**DATA MAPING (28 CHARTS)**

**BODY RECOVERY LOCATION PLOT (1 CHART)**

DIVISION OF MEDICAL-LEGAL INVESTIGATIONS AND FORENSIC SCIENCES  
SUFFOLK COUNTY, NEW YORK

TOXICOLOGIC REPORT

NAME CAMPBELL, RICHARD CHEMICAL NO. 2193-96 M.E. NO. 96-5283

ANALYSIS PERFORMED GENERAL UNKNOWN

SPECIMENS SUBMITTED BRAIN, LIVER, FEMORAL BLOOD, CHEST FLUID, MUSCLE, BILE,  
EDTA TUBE OF CHEST FLUID, VITREOUS FLUID

SPECIMENS USED FOR ANALYSIS BRAIN, LIVER, FEMORAL BLOOD, CHEST FLUID,  
BILE

RESULTS

BRAIN - ETHANOL PRESENT 0.01% (8-5-96)

BRAIN - OTHER VOLATILE SUBSTANCES NOT DETECTED (8-5-96)

FEMORAL BLOOD - ETHANOL PRESENT 0.01% (8-5-96)

LIVER - ETHANOL PRESENT 0.02% (8-5-96)

BILE - ETHANOL PRESENT 0.01% (8-5-96)

FEMORAL BLOOD - CARBON MONOXIDE NOT DETECTED (8-3-96)

CHEST FLUID - BARBITURATES, STRONG ACIDS AND NEUTRAL DRUGS NOT DETECTED  
(8-5-96)

CHEST FLUID - BARBITURATES, OPIATES, AMPHETAMINES, METHADONE, PROPOXYPHENE,  
ACETAMINOPHEN, COCAINE METABOLITES, BENZODIAZEPINE METABOLITES,  
PCP, AND TETRAHYDROCANNABINOL METABOLITES NOT DETECTED (8-5-96)

LIVER - BASIC DRUGS NOT DETECTED (8-5-96)

LIVER - HEAVY METALS NOT DETECTED (8-5-96)

Date

Reviewed by: STEPHANIE A. HOROWITZ, M.D.  
DEPUTY MEDICAL EXAMINER



Date 11/17/96

EDWARD J. BRIGLIA, Ph.D.  
CHIEF - TOXICOLOGY LABORATORY

DATE TYPED 11-18-96 BAK

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



U.S. Department  
of Transportation

Federal Aviation  
Administration

Mike Monroney  
Aeronautical Center

P.O. Box 25082  
Oklahoma City, Oklahoma 73125

August 15, 1996

National Transportation Safety Board  
2001 Route 46, Suite 203  
Parsippany, NJ 07054

CASE#: 9600172001 NAME: CAMPBELL, RICHARD G. JR Putrefied: No  
DATE OF INCIDENT : 071796 DATE RECEIVED: 072096  
LOCATION OF ACCIDENT: EAST MORICHES, NY  
SPECIMENS RECEIVED : Serum, Bile, Liver, Lung, Kidney, Muscle, Brain  
Heart

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FORENSIC TOXICOLOGY FATAL ACCIDENT REPORT

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**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 ethanols were confirmed by Radiative Energy Attenuation.

- > 27.000 (mg/dl) Ethanol detected in Muscle Fluid
- > 13.000 (mg/dl) Ethanol detected in Lung Fluid
- > 1.000 (mg/dl) Acetaldehyde detected in Lung Fluid
- > 1.000 (mg/dl) Acetone detected in Lung Fluid

NOTE: The ethanol found in this case may be the result of postmortem ethanol production.

**DRUGS:** Immunoassay was used to screen for illegal drugs which include amphetamine(0.010), opiates(0.010), marihuana(0.001), cocaine(0.020), phencyclidine(0.002), benzodiazepines(0.030), and barbiturates(0.060). 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 Fluid

*Dennis V. Canfield* AUG 15 1996  
Dennis V. Canfield, Ph.D.  
Manager Toxicology and Accident  
Research Laboratory

DIVISION OF MEDICAL-LEGAL INVESTIGATIONS AND FORENSIC SCIENCES  
SUFFOLK COUNTY, NEW YORK

TOXICOLOGIC REPORT

NAME KEVORKIAN, RALPH CHEMICAL NO. 2192-96 M.E. NO. 96-5278

ANALYSIS PERFORMED GENERAL UNKNOWN

SPECIMENS SUBMITTED LIVER, CHEST BLOOD, BILE, URINE, STOMACH CONTENTS,  
MUSCLE, SPLEEN, HEAD HAIR

SPECIMENS USED FOR ANALYSIS LIVER, BILE, CHEST BLOOD, URINE, STOMACH  
CONTENTS

RESULTS

LIVER - ETHANOL NOT DETECTED (8-5-96)

LIVER - OTHER VOLATILE SUBSTANCES NOT DETECTED (8-5-96)

BILE - ETHANOL NOT DETECTED (8-5-96)

CHEST BLOOD - ETHANOL PRESENT 0.02% (8-5-96)

URINE - ETHANOL PRESENT LESS THAN 0.01% (8-5-96)

STOMACH CONTENT - ETHANOL PRESENT 0.01% (8-5-96)

CHEST BLOOD - CARBON MONOXIDE NOT DETECTED (8-4-96)

CHEST BLOOD - BARBITURATES, STRONG ACIDS AND NEUTRAL DRUGS NOT DETECTED  
(8-5-96)

URINE - BARBITURATES, OPIATES, AMPHETAMINES, METHADONE, PROPOXYPHENE, PCP,  
ACETAMINOPHEN, COCAINE METABOLITES, BENZODIAZEPINE METABOLITES,  
AND TETRAHYDROCANNABINOL METABOLITES NOT DETECTED (8-5-96)

LIVER - BASIC DRUGS NOT DETECTED (8-5-96)

LIVER - HEAVY METALS NOT DETECTED (8-5-96)

Date

Reviewed by: BARBARA WOLF, M.D.  
PATHOLOGIST, SEMO

Date 11/19/96

  
EDWARD J. BRIGLIA, Ph.D.  
CHIEF - TOXICOLOGY LABORATORY

DATE TYPED 11-18-96 BAK



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 OR NTSB  
COUNSEL.

Mike Monroney  
Aeronautical Center

P.O. Box 25082  
Oklahoma City, Oklahoma 73125

August 16, 1996

National Transportation Safety Board  
2001 Route 46, Suite 203  
Parsippany, NJ 07054

CASE#: 9600172003 NAME: KEVORKIAN, RALPH G. Putrefied: Yes  
DATE OF INCIDENT : 071796 DATE RECEIVED: 080696  
LOCATION OF ACCIDENT: EAST MORICHES, NY  
SPECIMENS RECEIVED : Blood, Urine, Bile, Gastric Contents, Liver  
Lung, Kidney, Spleen, Muscle

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FORENSIC TOXICOLOGY FATAL ACCIDENT REPORT

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**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 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), phencylidine(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, or GC/FTIR, is used to confirm most positive results.

--> NO Drugs detected in Blood

*John Sizer, Ph.D. for* AUG 16 1996

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

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DIVISION OF MEDICAL-LEGAL INVESTIGATIONS AND FORENSIC SCIENCES  
SUFFOLK COUNTY, NEW YORK

TOXICOLOGIC REPORT

NAME KRICK, OLIVER CHEMICAL NO. 2131-96 M.E. NO. 96-5162

ANALYSIS PERFORMED GENERAL UNKNOWN

SPECIMENS SUBMITTED BRAIN, LIVER, CHEST BLOOD, BILE, URINE, STOMACH  
CONTENTS, PSOAS MUSCLE, SPLEEN

SPECIMENS USED FOR ANALYSIS BRAIN, LIVER, CHEST BLOOD, BILE, URINE,  
STOMACH CONTENTS

RESULTS

CHEST BLOOD - ETHANOL PRESENT 0.02% (7-26-96)

CHEST BLOOD - OTHER VOLATILE SUBSTANCES NOT DETECTED (7-26-96)

LIVER - ETHANOL PRESENT 0.01% (7-26-96)

URINE - ETHANOL PRESENT LESS THAN 0.01% (7-26-96)

BILE - ETHANOL NOT DETECTED (7-26-96)

BRAIN - ETHANOL NOT DETECTED (7-26-96)

STOMACH CONTENT - ETHANOL NOT DETECTED (7-26-96)


CHEST BLOOD - CARBON MONOXIDE PRESENT LESS THAN 5% SATURATION (7-26-96)

LIVER - BARBITURATES, STRONG ACIDS AND NEUTRAL DRUGS NOT DETECTED (7-26-96)

CHEST BLOOD - BARBITURATES, OPIATES, AMPHETAMINES, METHADONE, PROPOXYPHENE,  
ACETAMINOPHEN, COCAINE METABOLITES, BENZODIAZEPINE METABOLITES,  
PCP, AND TETRAHYDROCANNABINOL METABOLITES NOT DETECTED (7-26-96)

LIVER - BASIC DRUGS NOT DETECTED (7-26-96)

Date \_\_\_\_\_  
Reviewed by: GWEN HARLEMAN, M.D.  
DEPUTY MEDICAL EXAMINER

 Date 9/30/96  
EDWARD J. BRIGLIA, Ph.D.  
CHIEF - TOXICOLOGY LABORATORY

DATE TYPED 7-30-96 BAK



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U.S. Department  
of Transportation

Federal Aviation  
Administration

Mike Monroney  
Aeronautical Center

P.O. Box 25082  
Oklahoma City, Oklahoma 73125

August 02, 1996

National Transportation Safety Board  
2001 Route 46, Suite 203  
Parsippany, NJ 07054

CASE#: 9600172002 NAME: KRICK, OLIVER Putrefied: Yes  
DATE OF INCIDENT : 071796 DATE RECEIVED: 072796  
LOCATION OF ACCIDENT: EAST MORICHES, NY  
SPECIMENS RECEIVED : Blood, Bile, Gastric Contents, Liver, Lung  
Kidney, Spleen, Muscle, Brain, Heart

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FORENSIC TOXICOLOGY FATAL ACCIDENT REPORT

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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 ethanols were confirmed by Radiative Energy Attenuation.

--> 29.000 (mg/dl) Ethanol detected in Blood  
--> 15.000 (mg/dl) Ethanol detected in Heart Fluid  
--> 19.000 (mg/dl) Ethanol detected in Muscle Fluid  
--> 2.000 (mg/dl) Acetaldehyde detected in Blood

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

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, or GC/FTIR, is used to confirm most positive results.

--> NO Drugs detected in Blood

*Dennis V. Canfield* TAUG 2 1996

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