



US Department
of Transportation
**Federal Aviation
Administration**

Mike Monroney
Aeronautical Center

P.O. Box 25082
Oklahoma City, Oklahoma 73125

Monday, December 10, 2012

National Transportation Safety Board
2001 Route 46, Suite 504
Parsippany, NJ 07054

| | | | | | | | |
|----------------------|---|--------------|-------|---------------|-------------------|---------------|--------------|
| ACCIDENT # | 0249 | INDIVIDUAL#: | 001 | NAME: | MCLAVIN, CYRIL P. | MODE: | AVIATION |
| DATE OF ACCIDENT | 10/20/2012 | | | DATE RECEIVED | 11/06/2012 | PUTREFACTION: | No |
| | | N # | 80823 | NTSB # | ERA13FA032 | CAMI REF # | 201200249001 |
| LOCATION OF ACCIDENT | East Moriches, NY | | | | | | |
| SPECIMENS | Bile, Blood (Aortic), Blood (Femoral), Blood (Heart), Brain, Gastric, Heart, Kidney, Liver, Lung, Muscle, Spleen, Urine, 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.

>> NO CARBON MONOXIDE detected in Blood

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

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.

>> NO ETHANOL detected in Urine

DRUGS: Specimens are analyzed using immunoassay, chromatography, GC/MS, HPLC/MS, or GC/FTIR. 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). Drugs and/or their metabolites, that are not impairing or abused, may be reported from the initial tests. See the CAMI Drug Information Web Site for additional information (<http://jag.cami.jcabi.gov/toxicology/>).

>> NO DRUGS listed above detected in Urine

Date: 2012.12.12 15:08:44 -06'00'

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

Toxicologic Report

Division of Medical-Legal Investigation and Forensic Sciences
Suffolk County, New York

NAME: McLavin, Cyril

ME NO: 2012-04215

EXAMINATION DATE: 10/21/2012 ANALYSIS PERFORMED: General Unknown

SPECIMENS SUBMITTED:

Aortic Blood, Bile, Blood Retainer, Brain, Femoral Blood, Gastric Contents, Liver, Pulmonary Blood, Serum Retainer 1, Urine, Vitreous Fluid

SPECIMENS USED FOR ANALYSIS:

Femoral Blood, Liver, Urine

RESULTS

THIS REPORT IS THE PROPERTY OF THE
OFFICE OF MEDICAL-LEGAL INVESTIGATION
SUFFOLK COUNTY, N.Y.

Volatile Substances

ETHANOL

Femoral Blood - Not Detected (10/26/2012)

OTHER VOLATILE SUBSTANCES

Femoral Blood - Not Detected (10/26/2012)

EMIT Screen

Urine

Acetaminophen, Amphetamines, Barbiturates, Benzodiazepine Metabolites, Cocaine Metabolites, Methadone, Opiates, Oxymorphone, Phencyclidine, Salicylates, THC Metabolites, = Not Detected (10/29/2012)

Quantitative Drug Results

CARBON MONOXIDE

Femoral Blood - Not Detected (10/23/2012)

Qualitative Drug Results

ACIDIC & NEUTRAL DRUGS

Femoral Blood - Not Detected (10/24/2012)

BASIC DRUGS

Liver - Not Detected (10/25/2012)



Date 11/21/12

Michael Lehrer, PhD
Chief - Toxicology Laboratory

11/15/2012