



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

Mike Monroney
Aeronautical Center

P.O. Box 25082
Oklahoma City, Oklahoma 73125

Friday, December 28, 2012

National Transportation Safety Board
45065 Riverside Parkway
Ashburn, VA 20147

ACCIDENT # 0249 INDIVIDUAL#: 002 NAME: MESSANA, ANDREW J. MODE: AVIATION
DATE OF ACCIDENT 10/20/2012 DATE RECEIVED 11/06/2012 PUTREFACTION: No
N # 80823 NTSB # ERA13FA032 CAMI REF # 201200249002
LOCATION OF ACCIDENT East Moriches, NY
SPECIMENS Bile, Blood, 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 (Femoral)

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 (Femoral)

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 Vitreous

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), marihuana (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.jccbi.gov/toxicology/>).

>> NO DRUGS listed above detected in Blood (Heart)

2012.12.28 14:03:15 -06'00'

Dennis V. Canfield, Ph. D.
Manager, Bioaeronautical Sci.
Research Lab CAMI

Toxicologic Report

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

NAME: Messana, Dr. Andrew J.

ME NO: 2012-04214

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 UNLAWFUL TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION OF THE OFFICE OF THE ATTORNEY GENERAL, SUFFOLK COUNTY, NEW YORK.

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)

[Redacted Signature]

Date 11/21/12

Michael Lehrer, PhD
Chief - Toxicology Laboratory

11/15/2012