



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 NTSB COUNSEL

Mike Monroney
Aeronautical Center

P O Box 25082
Oklahoma City, Oklahoma 73125

Friday, April 29, 2016

National Transportation Safety Board
45065 Riverside Parkway
Ashburn, VA 20147

ACCIDENT # 0045 INDIVIDUAL#: 001 NAME: [REDACTED] MODE: AVIATION
DATE OF ACCIDENT 03/18/2016 DATE RECEIVED 03/22/2016 PUTREFACTION: Yes
N # 6239X NTSB # ERA16FA133 CAMI REF # 201600045001
LOCATION OF ACCIDENT Tampa, FL
SPECIMENS Brain, Gastric, Heart, Kidney, Liver, Lung, Muscle, Spleen

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.

>> NOT PERFORMED

CYANIDE: The presence of cyanide is screened by Conway Diffusion, when the COHb level is equal to or greater than 10% or upon special request. 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.

>> NOT PERFORMED

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 Muscle
>> NO ETHANOL detected in Brain

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/>).

>> Atorvastatin detected in Liver
>> Diphenhydramine detected in Liver
>> Naproxen detected in Liver

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

c=US, o=U.S. Government, ou=AMC, ou=AMC,
cn=RUSSELL J LEWIS
2016.05.06 14:24:18 -05'00'

Hillsborough County Medical Examiner Department Toxicology Report

Decedent's Last Name First Case Number Date Autopsy
[REDACTED] [REDACTED] 16-02188 19-MAR-2016

Medical Examiner Entering Cause of Death

Selly Strauch Rivers, MD, Associate Medical Examiner

Attending Medical Examiner

Selly Strauch Rivers, MD, Associate Medical Examiner

The following toxicology procedures were performed | 16-02188 A | [REDACTED]

Procedure	Specimen Type	Date/Time Collected (Antemortem only)
Volatiles by Headspace GC	Liver	
ELISA for Drugs of Abuse	Liver	
Comprehensive Drug Screen by GCMS	Liver	
Benzodiazepines by LC-MS/MS	Liver	

The following substances were detected and confirmed | 16-02188 A | [REDACTED]

None

Note: Specimens were unsuitable for Carbon Monoxide analysis.

The following substances were identified by matching mass spectral libraries, however, no further testing was conducted | 16-02188 A | [REDACTED]

None

[REDACTED] 4/14/16

Julia Pearson, PhD, F-ABFT, Chief Forensic Toxicologist
14-APR-2016

[REDACTED]

The following substances are included in the laboratory's typical scope of analysis | 16-02188 A |

6-Acetylmorphine	Codeine	MDMA	Oxazepam
7-Aminoflunitrazepam	Cotinine	MDPV	Oxycodone
11-Carboxy-THC	Cyclobenzaprine	Meclizine	Oxymorphone
11-Hydroxy-THC	Desipramine	Meperidine	Paroxetine
Acetaminophen	Dextromethorphan	Mephedrone	Pentazocine
Acetone	Diazepam	Mepivacaine	Pentobarbital
Alprazolam	Dicyclomine	Meprobamate	Phencyclidine
Amitriptyline	Diltiazem	Methadone	Phenobarbital
Amobarbital	Diphenhydramine	Methamphetamine	Primidone
Amphetamine	Doxepin	Methanol	Procaine
Benzotropine	Doxylamine	Methedrone	Promethazine
Butabarbital	Ethanol	Methylone	Propoxyphene
Butalbital	Etomidate	Midazolam	Quetiapine
Bupropion	Fentanyl	Mirtazapine	Salicylates
Caffeine	Fluoxetine	Morphine	Secobarbital
Carisoprodol	Fluvoxamine	Norcitalopram	Sertraline
Chlordiazepoxide	Hydrocodone	Nordiazepam	Strychnine
Chlorpheniramine	Hydromorphone	Nordoxepin	Temazepam
Chlorpromazine	Imipramine	Norfluoxetine	THC
Citalopram	Isopropanol	Norketamine	Thioridazine
Clomipramine	Ketamine	Normeperidine	Tramadol
Clonazepam	Levamisole	Norpropoxyphene	Trazodone
Clonidine	Lidocaine	Nortriptyline	Triazolam
Clozapine	Lorazepam	Norvenlafaxine	Trimipramine
Cocaethylene	Loxapine	Olanzapine	Venlafaxine
Cocaine/Benzoyllecgonine	MDA	Orphenadrine	Verapamil
			Zolpidem

Key to Abbreviations | 16-02188 A |

CO	Co-Oximetry
ELISA	Enzyme-linked immunosorbant assay
FPIA	Fluorescence polarization immunoassay
GC	Gas chromatography
GCMS	Gas chromatography mass spectrometry
GHB	Gamma-Hydroxybutyric Acid
HPLC	High performance liquid chromatography
ICP	Inductively Coupled Plasma
LCMS	Liquid chromatography mass spectrometry
LC-MS/MS	Liquid chromatography-tandem mass spectrometry
LSD	Lysergic Acid Diethylamide
MDA	3,4-Methylenedioxyamphetamine
MDMA	3,4-Methylenedioxymethamphetamine
MDPV	3,4-Methylenedioxypropylvalerone
PCP	Phencyclidine

PdCl ₂	Palladium chloride microdiffusion
SP	Spectrophotometry
THC	Tetrahydrocannabinol



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Mike Monroney
Aeronautical Center

P O Box 25082
Oklahoma City, Oklahoma 73125

Thursday, April 14, 2016

National Transportation Safety Board
45065 Riverside Parkway
Ashburn, VA 20147

ACCIDENT # 0045 INDIVIDUAL#: 002 NAME: [REDACTED] MODE: AVIATION
DATE OF ACCIDENT 03/18/2016 DATE RECEIVED 03/22/2016 PUTREFACTION: No
N # 6239X NTSB # ERA16FA133 CAMI REF # 201600045002
LOCATION OF ACCIDENT Tampa, FL
SPECIMENS Brain, Heart, Kidney, Liver, Lung, Muscle, Spleen

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.

>> NOT PERFORMED

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>> NO DRUGS listed above detected in Liver

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

c=US, o=U.S. Government, ou=AMC, ou=AMC,
cn=RUSSELL J LEWIS
2016.04.19 14:12:20 -05'00'

Hillsborough County Medical Examiner Department Toxicology Report

Decedent's Last Name First Case Number Date Autopsy

██████████ 16-02189 19-MAR-2016

Medical Examiner Entering Cause of Death

Phouthasone Thirakul, MD, Associate Medical Examiner

Attending Medical Examiner

Selly Strauch Rivers, MD, Associate Medical Examiner

The following toxicology procedures were performed | 16-02189 A | ██████████

Procedure	Specimen Type	Date/Time Collected (Antemortem only)
Volatiles by Headspace GC	Liver	
ELISA for Drugs of Abuse	Liver	
Comprehensive Drug Screen by GCMS	Liver	
Benzodiazepines by LC-MS/MS	Liver	

The following substances were detected and confirmed | 16-02189 A | ██████████

None

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None

██████████ 4/14/16
Julia Pearson, PhD, F-ABFT, Chief Forensic Toxicologist
14-APR-2016

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Amobarbital	Diphenhydramine	Methamphetamine	Primidone
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Butabarbital	Ethanol	Methylone	Propoxyphene
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