



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

Mike Monroney
Aeronautical Center

P O Box 25082
Oklahoma City, Oklahoma 73125

Wednesday, October 07, 2015

National Transportation Safety Board
45065 Riverside Parkway
Ashburn, VA 20147

ACCIDENT # 0165 INDIVIDUAL#: 001 NAME: [REDACTED] MODE: AVIATION
DATE OF ACCIDENT 08/15/2015 DATE RECEIVED 08/19/2015 PUTREFACTION: Yes
N # 63TV NTSB # ERA15FA312 CAMI REF # 201500165001
LOCATION OF ACCIDENT West Caldwell, NJ
SPECIMENS Bile, Blood (Cavity), 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 (Cavity)

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 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/>).

>> Carvedilol detected in Urine
>> Carvedilol detected in Blood (Cavity)
>> Quinapril detected in Urine
>> Quinapril NOT detected in Blood (Cavity)
>> Salicylate detected in Urine

c=US, o=U.S. Government, ou=AMC, ou=AMC,
cn=RUSSELL J LEWIS
2015.10.15 08:41:40 -05'00'

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



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Carvedilol

Description	Coreg® carvedilol is used to treat high blood pressure (hypertension).
Therapeutic Low	5.0000
Therapeutic High	250.0000
Units	ug/mL
Specimen	P
Half Life Low	7.00
Half Life High	10.00
VOD Low	1.50
VOD High	2.00
Toxic Level	0.000
Lethal Level	0.000
Plasma to Whole Blood ratio	0.00
Warnings	Patients should be advised that initiation of treatment and (to a lesser extent) dosage increases may be associated with transient symptoms of dizziness or lightheadedness (and rarely syncope) within the first hour after dosing. Thus during these periods they should avoid situations such as driving or hazardous tasks, where symptoms could result in injury.



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Quinapril

Description	Accupril® is an angiotensin-converting enzyme inhibitor (ACE inhibitor) used in the treatment of hypertension and congestive heart failure.
Therapeutic Low	0.1000
Therapeutic High	0.9000
Units	ug/mL
Specimen	P
Half Life Low	1.00
Half Life High	3.00
VOD Low	0.18
VOD High	0.52
Toxic Level	0.000
Lethal Level	0.000
Plasma to Whole Blood ratio	0.00
Warnings	



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Salicylate

Description	Salicylate is an over the counter analgesic used in the treatment of mild pain.
Therapeutic Low	20.0000
Therapeutic High	250.0000
Units	ug/mL
Specimen	P
Half Life Low	3.00
Half Life High	20.00
VOD Low	0.13
VOD High	0.20
Toxic Level	0.000
Lethal Level	550.000
Plasma to Whole Blood ratio	1.30
Warnings	