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

U.S. Department of Transportation Federal Aviation Administration

Mike Monroney Aeronautical Center P.O. Box 25082 Oklahoma City, Oklahoma 73125

Wednesday, October 21, 2015

National Transportation Safety Board

4760 Oakland Street, Suite 500

Denver, CO 80239

ACCIDENT # 0155 INDIVIDUAL#: 001 NAME: DATE OF ACCIDENT 08/01/2015 DATE R

DATE RECEIVED 08/05/2015 NTSB # CEN15FA331 MODE: AVIATION PUTREFACTION: Yes CAMI REF # 201500155001

LOCATION OF ACCIDENT Wilmont, AR

N# 6007N

SPECIMENS Bile, Blood (Heart), Brain, Gastric, Heart, Kidney, Liver, Lung, Muscle, Spinal Fluid, 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 (Heart)

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/).

>> Buprenorphine detected in Blood (Heart)

- >> Buprenorphine detected in Urine
- >> Diphenhydramine detected in Urine
- >> 1.861 (ug/ml, ug/g) Diphenhydramine detected in Blood (Heart)
- >> Naproxen detected in Urine
- >> Norbuprenorphine detected in Blood (Heart)
- >> Ranitidine detected in Urine
- >> Ranitidine detected in Blood (Heart)



c=US, o=U.S. Government, ou=AMC, ou=AMC, cn=DENNIS V CANFIELD 2015.10.22 09:45:16 -05'00'

Wednesday, October 21, 2015

## CONTINUATION OF REF#: 201500155001 - Busch, Nick A.



c=US, o=U.S. Government, ou=AMC, ou=AMC, cn=DENNIS V CANFIELD 2015.10.22 09:45:49 -05'00'

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