



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, September 14, 2012

National Transportation Safety Board
Atlanta Federal Ctr, Rm 3M25, 60 Forsyth Street, SW
Atlanta, GA 30303

ACCIDENT # 0152 INDIVIDUAL#: 001 NAME: MURPHY, RONALD J. MODE: AVIATION
DATE OF ACCIDENT 07/20/2012 DATE RECEIVED 07/27/2012 PUTREFACTION: Yes
N # 25UA NTSB # ERA12FA467 CAMI REF # 201200152001
LOCATION OF ACCIDENT Cedartown, GA
SPECIMENS Bile, Blood, 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 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/>).

>> 105.9 (ug/ml, ug/g) Acetaminophen detected in Urine
>> Desmethylvenlafaxine (O-) detected in Liver
>> Desmethylvenlafaxine (O-) detected in Blood
>> Naproxen detected in Urine
>> Venlafaxine detected in Liver
>> 0.215 (ug/ml, ug/g) Venlafaxine detected in Blood


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

Date: 2012.09.14 14:15:45 -05'00'