



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

Mike Monroney
Aeronautical Center

P.O. Box 25082
Oklahoma City, Oklahoma 73125

Wednesday, December 14, 2011

National Transportation Safety Board
490 L'Enfant Plaza East
Washington, DC 20594

ACCIDENT # 0254 **INDIVIDUAL#:** 001 **NAME:** GARRONE, MICHAEL F. **MODE:** AVIATION
DATE OF ACCIDENT 10/02/2011 **DATE RECEIVED** 10/25/2011 **PUTREFACTION:** Yes
 N # 115CL **NTSB #** ERA12FA012 **CAMI REF #** 201100254001
LOCATION OF ACCIDENT Moorefield, WV
SPECIMENS Muscle

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. 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.

>> 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.

>> 15 (mg/dL, mg/hg) ETHANOL detected in Muscle

DRUGS: Immunoassay and/or chromatography are used to screen for drugs. GC/Mass Spec, HPLC/Mass Spec, or GC/FTIR is used to confirm most positive results. 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). For comprehensive information concerning all drugs detected by the laboratory, see the CAMI Drug Information Web Site <http://jag.cami.jccbi.gov/toxicology/>.

>> NO DRUGS listed above detected in Muscle

Date: 2011.12.16 11:06:55 -06'00'

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