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

US. Department of Transportation Federal Aviation Administration

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

MODE: AVIATION

CAMI REF #

PUTREFACTION: No

201200169001

Friday, September 28, 2012

National Transportation Safety Board

222 West 7th Avenue, Rm 216, Box 11

Anchorage, AK 99513

ACCIDENT # 0169 INDIVIDUAL#: 001 NAME: HOPPER, JAMES D.

 DATE OF ACCIDENT
 08/07/2012
 DATE RECEIVED
 08/29/2012

 N# 737TV
 NTSB # ANC12FA084

LOCATION OF ACCIDENT DELTA JUNCTION, AK

SPECIMENS Bile, Blood (Heart), Blood (Periph.), 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 (Heart)

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 (Heart)

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/).

>> NO DRUGS listed above detected in Urine

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

Date: 2012.10.03 14:22:04 -05'00'