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



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Federal Aviation
Administration

Thursday, May 07, 2009

National Transportation Safety Board 19518 Pacific Highway South, Rm 201 Seattle, WA 98188

ACCIDENT # 0059 INDIVIDUAL#: 002 NAME: SUMMERFIELD, ELLISON S. C. MODE: AVIATION

DATE OF ACCIDENT 03/22/2009 DATE RECEIVED 03/31/2009 PUTREFACTION: No

N # 128CM **NTSB #** WPR09MA159 **CAMI REF #** 200900059002

LOCATION OF ACCIDENT BUTTE, MT

SPECIMENS Bile, Liver, Lung, Muscle, Spleen

SUPPLEMENTAL 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 limit of quantitation of 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.

- >> 27 (mg/dL, mg/hg) ETHANOL detected in Muscle
- >> NO ETHANOL detected in Liver
- >> NO ETHANOL detected in Lung
- >> NO ETHANOL detected in Bile
- -Notes:
- -The ethanol found in this case is from sources other than ingestion.

DRUGS: Immunoassay and chromatography are used to screen for legal and illegal drugs which include: amphetamine (0.010), opiates (0.010), marihuana (0.001), cocaine (0.020), phencyclidine (0.002), benzodiazepines (0.030), barbiturates (0.060), antidepressants (0.100), antihistamines (0.020), meprobamate (0.100), methaqualone (0.100), and nicotine (0.050). The values in () are the threshold values in ug/mL used to report positive results. Values below this concentration are normally reported as not detected. GC/Mass Spec, HPLC/Mass Spec, or GC/FTIR, is used to confirm most positive results.

>> NO DRUGS LISTED ABOVE DETECTED in Liver

CONTINUATION OF REF#: 200900059002 - SUMMERFIELD, ELLISON S. C.

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