



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

201500206001

CAMI REF#

Friday, November 27, 2015

National Transportation Safety Board 4760 Oakland Street, Suite 500 Denver, CO 80239

ACCIDENT # 0206 INDIVIDUAL#: 001 NAME: Raggio, Harold J. MODE: AVIATION

DATE OF ACCIDENT 09/05/2015 DATE RECEIVED 09/16/2015 PUTREFACTION: No

N # 1099Q NTSB # CEN15FA400

LOCATION OF ACCIDENT Silverton, CO

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, 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.

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

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/).

>> Citalopram detected in Muscle

>> N-Desmethylcitalopram detected in Muscle



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