



Human Performance Factual Report Attachment

Final Forensic Toxicology Fatal Accident Report

Schoharie, NY

HWY19MH001

(3 pages)



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

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P O Box 25082
Oklahoma City, Oklahoma 73125

Tuesday, December 18, 2018

National Transportation Safety Board, Highway Safety
490 L'Enfant Plaza East, S.W.
Washington, DC 20594

ACCIDENT # 0210 INDIVIDUAL#: 001 NAME: [REDACTED] MODE: HIGHWAY
DATE OF ACCIDENT 10/06/2018 DATE RECEIVED 10/17/2018 PUTREFACTION: No
N # NTSB # HWY19MH001 CAMI REF # 201800210001
LOCATION OF ACCIDENT Schoharie, NY
SPECIMENS Bile, Brain, Gastric, Heart, Kidney, Liver, Lung, Muscle, Spleen

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.

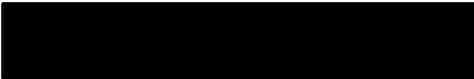
- NOT PERFORMED

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.

- NO ETHANOL detected in Brain
- NO ETHANOL detected in Muscle

DRUGS: Specimens are analyzed using immunoassay, chromatography, mass spectrometry, or spectrophotometry. 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), marijuana (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/>).

- 0.02 (ug/mL, ug/g) Delta-9-THC detected in Bile
- 0.263 (ug/mL, ug/g) Delta-9-THC detected in Gastric
- 0.0926 (ug/mL, ug/g) Delta-9-THC detected in Kidney
- 0.255 (ug/mL, ug/g) Delta-9-THC detected in Brain
- 0.323 (ug/mL, ug/g) Delta-9-THC detected in Spleen
- 0.451 (ug/mL, ug/g) Delta-9-THC detected in Muscle
- 0.489 (ug/mL, ug/g) Delta-9-THC detected in Lung
- 0.893 (ug/mL, ug/g) Delta-9-THC detected in Liver
- Delta-9-THC detected in Heart
- 0.039 (ug/mL,ug/g) 11-Hydroxy-Delta-9-THC detected in Bile
- 0.0066 (ug/mL,ug/g) 11-Hydroxy-Delta-9-THC detected in Kidney



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CONTINUATION OF REF#: 201800210001

- 0.0349 (ug/mL,ug/g) 11-Hydroxy-Delta-9-THC detected in Brain
- 0.0116 (ug/mL,ug/g) 11-Hydroxy-Delta-9-THC detected in Spleen
- 0.0187 (ug/mL,ug/g) 11-Hydroxy-Delta-9-THC detected in Heart
- 0.0362 (ug/mL,ug/g) 11-Hydroxy-Delta-9-THC detected in Liver
- 1.825 (ug/mL, ug/g) Carboxy-Delta-9-THC detected in Bile
- 0.975 (ug/mL, ug/g) Carboxy-Delta-9-THC detected in Kidney
- 0.187 (ug/mL, ug/g) Carboxy-Delta-9-THC detected in Brain
- 0.152 (ug/mL, ug/g) Carboxy-Delta-9-THC detected in Spleen
- 0.177 (ug/mL, ug/g) Carboxy-Delta-9-THC detected in Lung
- 0.0891 (ug/mL, ug/g) Carboxy-Delta-9-THC detected in Muscle
- 0.283 (ug/mL, ug/g) Carboxy-Delta-9-THC detected in Heart
- 0.691 (ug/mL, ug/g) Carboxy-Delta-9-THC detected in Liver
- 0.34 (ug/mL, ug/g) Bupropion detected in Liver
- 0.152 (ug/mL, ug/g) Bupropion detected in Muscle
- 3.852 (ug/mL,ug/g) Hydroxybupropion detected in Liver
- 0.698 (ug/mL,ug/g) Hydroxybupropion detected in Muscle
- Famotidine detected in Liver
- Famotidine detected in Muscle
- Oxcarbazepine detected in Liver
- Oxcarbazepine detected in Muscle

Bioaeronautical Sci. Research Lab
CAMI, FAA