

CEN12LA466

Cross Lake, MN

MEDICAL FACTUAL

The following were reviewed by the Chief Medical Officer, National Transportation Safety Board, Mary Pat McKay, MD, MPH: the investigator's report, toxicology results from the Civil Aeromedical Institute (CAMI), toxicology results from an independent lab, autopsy results, and an electronic communication with the CAMI toxicologist.

According to the autopsy report, the cause of death was multiple traumatic injuries resulting from a plane crash. No significant natural disease was identified, but the medical examiner identified an object found in the left shirt pocket as a "one hit" pipe.

The toxicology result from the independent lab used by the medical examiner found evidence of tetrahydrocannabinol (Marijuana) in the urine and performed quantified the amount in the pilot's peripheral blood with a result of 0.0056 ug/ml along with 0.0059 ug/ml of its primary metabolite, tetrahydrocannabinol carboxylic acid.

Femoral and heart blood was sent to the Civil AeroMedical Institute's toxicology lab along with tissue specimens. The CAMI lab found the blood unsuitable for the quantification of tetrahydrocannabinol. However, 0.046 ug/ml of tetrahydrocannabinol was found in lung and tetrahydrocannabinol carboxylic acid, the primary metabolite, was found in urine (0.0952 ug/ml), liver (0.0873 ug/ml), lung (0.0094 ug/ml), and blood (0.0111 ug/ml).