



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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Aeronautical Center

P.O. Box 25082  
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Monday, October 07, 2013

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

ACCIDENT # 0149	INDIVIDUAL#: 002	NAME: PATIL, SHIV K.	MODE: AVIATION
DATE OF ACCIDENT 08/03/2013		DATE RECEIVED 08/06/2013	PUTREFACTION: No
	N # 225CD	NTSB # CEN13FA456	CAMI REF # 201300149002
LOCATION OF ACCIDENT Chesterfield, MO			
SPECIMENS Blood (Cavity), 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.

>> NO CARBON MONOXIDE detected in Blood (Cavity)

**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.

>> 39 (mg/dL, mg/hg) Ethanol detected in Blood (Cavity)  
>> 38 (mg/dL, mg/hg) Ethanol detected in Muscle  
>> 38 (mg/dL, mg/hg) Ethanol detected in Kidney

**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), 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/>).

>> Ephedrine detected in Liver  
>> Ephedrine detected in Blood (Cavity)  
>> Pseudoephedrine detected in Liver  
>> Pseudoephedrine detected in Blood (Cavity)  
>> Trimethoprim detected in Liver  
>> Trimethoprim detected in Blood (Cavity)

2013.10.08 15:38:39 -05'00'

Monday, October 07, 2013

CONTINUATION OF REF#: 201300149002 - PATIL, SHIV K.



2013.10.08 15:38:29 -05'00'

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Research Team CAMI