EXHIBIT NO. 20I

NATIONAL TRANSPORTATION SAFETY BOARD WASHINGTON, D.C.

FBI CHEMICAL STUDY OF RESIDUE (3 pages)

Re:

- (1 (Ref _221-91)

FEDERAL BUREAU OF INVESTIGATION WASHINGTON, D. C. 20535

April 25, 1997

ADIC, New York

FBI File Na. 265A - NY - 259028

Lab No 61114052 S AD HK 70207064 S AD HK 70224039 S AD HK

Your communications dated February 5 and 19, 1997

265A-NY-259028 Your No.

UNSUBS; EXPLOSION OF TWA FLIGHT 800; AOT-IT-EOD

Specimens received: February 7 and 24, 1997

Specimens received February 7, 1997 under cover of communication dated February 6, 1997 (70207054 S AD HK):

Q128	One piece of LBL-104)	splatter	material	(your	item	#MM1	CW-504
Q129	One piece of LBL-106.72)	splatter	material	(your	item	EMM#	CW-504
Q130	One piece of LBL-106)	splatter	material	(your	item	#MM4	CW-504
Q131	One piece of	splatter	material	(your	item	#MM5	CM-

One blade

265A-NY-259028-SUB 4

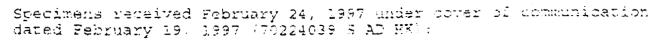
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К3	One sample of fiberglass like material taken from floor board (your item #57-1)
K4	One sample of foam like material taken from floor board (your item #57-2)
K5	One sample of fiberglass like material taken from air duct (your item #59-1)
К6	One sample of foam like material taken from air duct (your item #59-2)
K7	One sample of fiberglass like material taken from air duct (your item #61-1)
K8	One sample of foam like material taken from air duct (your item #61-2)

Results of Examination:

GENERAL INFORMATION:

This report provides the results of examinations conducted in the Chemistry Unit on specimens Q110 - Q116, Q128 - Q131, K3 - K8.

For a complete listing of specimens and the results of previous examinations please refer to previous report dated 3/26/97 (Lab. #60723031 S AD AR, 60730006 S AD RU, 60730007 S AD RU, 60806002 S AD ZG, 60909001 S AD AR RU, 61118011 S AD HJ, 61127057 S AD HK, 60727032 S AD AR, 60728031 S AD AR, 60804032 S AD AR, 60817031 S AD AR, 60818061 S AD AR, 60830005 S AD AR, 60912038 S AD AR, 61007055 S AD AR).

Examinations are continuing on Q25 - Q81 and Q109 in the Special Photography Unit. You will be advised of the results of these examinations in a separate report.

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CHEMICAL ANALYSES:

Specimens Q110 - Q116 were examined microscopically. Red material and amber material from specimen Q110 and red material from specimen Q111 were further examined instrumentally, including Fourier Transform Infrared Spectroscopy, Pyrolysis-Gas Chromatography/Mass Spectrometry, and Scanning Electron Microscopy/Energy Dispersive X-Ray Analysis. The materials from Q110 and Q111 are consistent with a chlorinated, polymeric material, commonly used as a contact adhesive. Based upon the comparison examinations conducted, with noted differences, specimens Q110 - Q116 are consistent with a common origin.

Specimens Q128 - Q131 (FBI Laboratory #70207064) and specimens K3 - K8 (FBI Laboratory #70224039) were examined microscopically. Specimens Q128 - Q131 and specimens K6 and K8 were further examined instrumentally with Pyrolysis-Gas Chromatography/Mass Spectrometry and Fourier Transform Infrared Spectroscopy. Based upon the comparison examinations conducted, specimens Q128 - Q131 are consistent with having originated from the sources represented by K6 and K8, or a similar source.

Specimens K3, K5, K6 and K7 (70224039) ostensibly represent construction products that utilize fiber glass fabrics. These fabrics generally consist of woven and non-woven bundles of continuous-filament glass fibers. Specimens Q128 - Q131 (70207064) also contain continuous-filament glass fibers, but they cannot be specifically associated with specimens K3, K5, K6 and K7. The small size, limited amounts, and the altered and adulterated nature of specimens Q128 - Q131 preclude any further comparison.

DISPOSITION OF SPECIMENS:

The submitted specimens referenced in the above analyses will be returned to your office under separate cover via registered mail or equivalent.

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