7-1 (Rev. 2-21-91)

FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D. C. 20535

1-Mr. Jourdan
1-Mr. Heckman
1-Mr. Burmeister
1-Mr. Tobin
1-Mr. Smith
1-Mr. Bishea
1-Mr.Jennings,Rm 5438

To: ADIC, New York

Date: March 4, 1997

FBI File No. 265A-NY-259028

Lab No.
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
60723032 S AD AR
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

Reference: Communication dated July 22, 1996

Your No. 265A-NY-259028

Re: UNSUBS;
EXPLOSION OF TWA FLIGHT #800;
AOT-IT;
EOD
OO: NEW YORK

Specimens received:

July 23, 1996

Specimens: The following items were received in the Laboratory on July 23, 1996 under your communication dated July 22, 1996 and examined under Laboratory Number 60723031 S AD AR RU:

Q1 Section of aircraft wing (your item #1)

Q2 Black back pack (your item #2)

Q3 Children's car seat (your item #3)

Q4 Tan colored piece of luggage (your item #4)

Q5 Fragmented piece of luggage (your item #5)

Q6 Silver colored metal fragment (your item #6)

Q7 Unknown white powder (your item #7)

Q8 Silver colored metal fragment (your item #8)

RJH:mld (10)

The results of Special Photo examinations of Q9 (Strip of film, Laboratory Number 60725009 D HD) will be provided in a separate report.

Specimens: The following items were received in the Laboratory on July 27, 1996 under your communication dated July 27,1996 and examined under Laboratory Number 60727032 S AD AR RU:

Q9 Section of floor panel (your item #11)

Q10 Magnet (your item #12)

Q11 Section of floor hatch (your item #13)

Q12 Section of floor panel (your item #14)

Specimens: The following items were received in the Laboratory on July 28, 1996 under your communication dated July 27,1996 and examined under Laboratory Number 60728031 S AD AR:

Q13 Floor panel #187 (Boeing part #65B06099-600) (1B44, item 15)

Q14 Floor panel #177 (Boeing part #65B08273-6) (1B45, item 16)

Q15 Floor panel #121 (Boeing part #65B08272-12) (1B46, item 17)

Q16 Floor panel #76 (Boeing part #65B06278-601) (1B47, item 18)

Specimens: The following items were received in the Laboratory on July 30, 1996 under your communication dated July 28,1996 and examined under Laboratory Number 60730006 S AD RU

Q17 One (1) round, domed shaped piece of metal (1B54 - your item #19)

Q18 One (1) section of metal (consisting of two (2) pieces welded/bonded together) (1B55 - your item #20)

Q19 One (1) piece of metal with two (2) countersunk holes (1B46 - your item #21)

Specimens: The following items were received in the Laboratory on July 30, 1996 under your communication dated July 29,1996 and examined under Laboratory Number 60730007 S AD RU:

Q20 One (1) piece of metal silver in color approximately 11 3/4" with several manufacturer holes (1B70 - your item #22)

Q21 One (1) piece of alloy like metal 16 7/8" (1B72 - your item #23)

Q22 One (1) piece of alloy like metal 13 1/2" (1B73 - your item #24)

Q23 One (1) piece of alloy like metal approximately 7" with angled piece riveted to it (1B71 - your item #25)

Q24 One (1) piece of silver in color corrugated-like metal approximately 12" (1B74 - your item #26)

Specimens: The following items were received in the Laboratory on July 30, 1996 under your communication dated July 29,1996, submitted under 1B59 and examined under Laboratory Number 60730005 S AD ZO XO:

Q25 One (1) Pentax 35mm camera (item #1)

Q26 One (1) roll 35mm/24 film (item #2)

Q27 One (1) disposable Fugi camera (item #3)

Q28 One (1) roll of Fugi film (item #4)

Q29 One (1) Mamiya 645 camera (item #5)

Q30 One (1) Canon Owl camera with nine rolls of canon film (item #6)

Q31 One (1) Nikon camera with one roll of film (item #7)

Q32 One (1) roll of Kodak film/25 exposure (item #8)

Q33 Chinon camera with seven rolls of film (item #9)

Q34 One (1) Olympus camera (item #11)

Q35 One (1) video cassette and one roll of film (item #10)

Q36 One (1) Kodak Camera with one roll of film (item #12)

Q37 One (1) Mamiya 645 camera (item #13)

Q38 One (1) Polaroid camera (item #14)

Q39 Five (5) rolls of film (item #15)

Q40 One (1) camera (item #16)

Q41 One (1) Polaroid film cartridge (item #17)

Q42 One (1) JVC video camera with tape (item #18)

Q43 One (1) Olympus AF-10/Super Camera (item #19)

Q44 Rolls of film (item #20)

Q45 One (1) Touch Zoom Nikon camera (item #21)

Q46 Five (5) rolls of film (item #22)

Q47 One (1) Minolta camera (item #23)

Q48 Three (3) rolls of film (item #24)

Q49 Cat Camera (item #25)

Q50 Polaroid camera (item #26)

Q51 Two (2) disposable cameras (item #27

Q52 One (1) Contax camera (item #28)

Q53 Three (3) rolls of film (item #29)

Q54 Seven (7) rolls of film (item #30)

Q55 One (1) Minolta camera with two rolls of film (item #31)

Q56 Super film shield containing film (item #32)

Q57 One (1) Nikon 35mm camera (item #33)

Q58 One (1) Minolta x700 camera with flash and one roll of film (item #34)

Q59 Five (5) rolls of film (item #35)

Q60 Thirteen (13) rolls of film (item #36)

Q61 One (1) Keystone Camera (item #37)

Q62 One (1) Olympus camera and one canister of film (item #38)

Q63 One (1) camera with film, (item #39)

Q64 One (1) roll of film (item #40)

Q65 Two (2) disposable cameras (item #41)

Q66 One (1) roll of film (item #42)

Q67 One (1) Biboa click camera (item #43)

Q68 Two (2) cassettes with player (item #44)

Q69 One (1) roll of film (item #45)

The following items were submitted under 1B60:

Q70 One (1) Polaroid camera with four rolls of film (item #101)

Q71 One (1) Vivitar series 440Z camera (item #102)

Q72 One (1) fanny pack containing a camera and four rolls of film (item #103)

Q73 One (1) Minolta Dinax 3xi camera with film (item #104)

Q74 One (1) Polaroid camera 635 CL with one roll of film (item #105)

Q75 One (1) Ricoh camera and case (item #106)

Q76 Four (4) canisters of film (item #107)

Q77 One (1) Olympus camera with four rolls of film in MacGregor case (item #108)

Q78 One (1) Minolta Freedom camera with one roll of film (item #109)

Q79 One (1) Nikon Nice Touch camera and film (item #110)

Q80 One (1) JVC Camcorder and bag (item #111)

Q81 One (1) Sony video camera and film in case (item #112)

Specimens: The following item was received in the Laboratory on August 4, 1996 under cover of FD-192 dated August 3, 1996 referencing 1B104 item #28 and examined under Laboratory Number 60804032 S AD AR:

Q82 One (1) section of aircraft floor panel (1B104, your item # 28)

Specimens: The following item was received in the Laboratory on August 6, 1996 under your communication dated August 4, 1996 and examined under Laboratory Number 60806002 S AD ZG:

Q83 One (1) fragment of transparent glass (1B91, your item #27)

The results of Engineering Research Facility examinations of Q84 Laboratory Number 60809002 E QZ were provided in a separate report dated 9/23/96 (Laboratory #60809002 E QZ).

Specimens: The following item was received in the Laboratory on August 17, 1996 under your communication dated August 16, 1996 and examined under Laboratory Number 60817031 S AD AR:

Q85 One (1) section of aircraft floor panel (1B148, your item # 31)

Specimens: The following items were received in the Laboratory on August 18, 1996 under your communication dated August 17, 1996 and examined under Laboratory Number 60818061 S AD AR:

Q86 One (1) section of aircraft floor panel (your item #32) and three (3) vials of scrapings from floor panel (your item #33)

Specimens: The following items were received in the Laboratory on August 18, 1996 under your communication dated August 14, 1996 and examined under Laboratory Number 60818062 S AD HD:

ALSO SUBMITTED:

One (1) plastic bucket containing eleven (11) cameras containing film; various 135mm film canisters; and two (2) TDK TC-30 VHS video tapes

Specimens: The following item was received in the Laboratory on August 28, 1996 under your communication dated August 26, 1996 and examined under Laboratory Number 60830005 S AD AR:

Q87 One (1) sheet of canvas like material (1B167, your item #34)

Specimens: The following items were received in the Laboratory on September 8, 1996 under your communication dated August 29, 1996 and examined under Laboratory Number 60909001 S AD AR RU:

Q88 One (1) piece of carpet approximately 20.5" (inches) wide by 19' (feet) long (your 1B193, item 35)

Q89 One (1) piece of carpet approximately 20.5" (inches) wide by 9' (feet) 6" (inches) long (your 1B192, item 36)

Q90 One (1) section of aircraft fuselage (your 1B194, item 37)

Q91 One (1) metal fragment from 1B194, item 37; cutoff wheel control sample with vacuuming (your 1B195, item 38)

Q92 Fractured duct flange (your 1B196, item 39)

Q93 Section of damaged fuel probe (your 1B197, item 40)

ALSO SUBMITTED:

Two (2) sets of photographs

(over)

Specimens: The following item was received in the Laboratory on September 12, 1996 under your communication dated September 10, 1996 and examined under Laboratory Number 60912038 S AD AR:

Q94 One (1) section of blue carpet (1B200, your item #41)

Specimens: The following items were received in the Laboratory on October 7, 1996 under your communication dated October 4, 1996 and examined under Laboratory Number 61007055 S AD AR:

Q95 One (1) section of carpet approximately 4" X 9" with miscellaneous wires (your 1B236, item #42)

Q96 One (1) section of carpet approximately 7" X 14" (your 1B237, item #43)

The results of Materials Analysis examinations of Q97 (Laboratory Number 61112026 S VJ RU) will be provided in a separate report.

Specimens: The following items were received in the Laboratory on November 27, 1996 under your communication dated November 22, 1996 and examined under Laboratory Number 61127057 S AD HK:

Q98 Scrapings (A) (Lab #827-8)

Q99 Scrapings (B) (Lab #926-23)

Q100 Scrapings (C) (RF-4)

Q101 Samples from motorcase body (F)

Q102 Samples from LF59 (G)

Q103 Samples from engine thrust reverser actuator (H)

Q104 Scrapings (I) (z5087)

Q105 Sample from tray table insulation (J)

Q106 Paint samples from fuselage

Q107 Samples from drone body (E)

K1 Samples from orange dolly (D)

K2 Samples from orange dolly #2 (K)

Specimens: The following items were received in the Laboratory on November 18, 1996 under your communication dated November 7, 1996 and examined under Laboratory Number 61118010 S/D AD HD:

Q109 One (1) bucket containing various cameras and film

Specimens: The following item was received in the Laboratory on November 18, 1996 under your communication dated November 8, 1996 and examined under Laboratory Number 61118011 S AD HJ:

Q110 One (1) section of bent (L-shaped) light weight metal approximately 100" in length (your 1B45, item #1)

Specimens: The following items were received in the Laboratory on November 14, 1996 under your communication dated November 13, 1996 and examined under Laboratory Number 61114052 S AD HK:

Q110a Piece from aircraft seat (your 1B270, item #46)

Q111 Piece from aircraft seat (your 1B270, item #47)

Q112 Piece from aircraft seat (your 1B270, item #48)

Q113 Piece from aircraft seat (your 1B270, item #49)

Q114 Piece from aircraft seat (your 1B270, item #50)

Q115 Piece from aircraft seat (your 1B270, item #51)

Q116 Piece from aircraft seat (your 1B270, item #52)

Specimens: The following items were received in the Laboratory on January 28, 1997 under cover of communication dated January 27, 1997 and were examined under Laboratory Number 70128025 S AD AR:

Q117 Swabbing (Your #1)

Q118 Swabbing (Your #2)

Q119 Swabbing (Your #3)

Q120 Swabbing (Your #4)

Q121 Swabbing (your #5)

NE1 Photograph

NE2 Photograph

NE3 Photograph

NE4 Swabbing with gloves

Specimens: The following items were received in the Laboratory on January 24, 1997 under cover of communication dated January 23, 1997 and examined under Laboratory Number 70124029 S AD AR:

Q122 Swabbing (your #1)

Q123 Swabbing (your #2)

Q124 Swabbing (your #3)

Q125 Swabbing (your #4)

Q126 Swabbing (your #5)

Q127 Swabbing (your #6)

NE5 Photograph of swabbing locations #1 through #5

NE6 Photograph of swabbing location #6

NE7 Test swabbing with gloves

Specimens: The following items were received in the Laboratory February 7, 1997 under cover of communication dated February 6, 1997 and examined under Laboratory Number 70207064 S AD HK:

Q128 One (1) piece of splatter material (your item #MM1 CW-504 LBL-104)

Q129 CW-504	One (1) piece of splatter material (your item #MM3 LBL-106.72)
Q130 CW-504	One (1) piece of splatter material (your item #MM4 LBL-106)
Q131 CW-	One (1) piece of splatter material (your item #MM5 114)
NE8	One (1) blade

Results of Examination:

GENERAL INFORMATION:

This report incorporates the information provided in a draft report dated 1/31/97 (Laboratory #60723031 S AD AD RU, 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) as well as all examinations conducted to date. Additional examinations are ongoing and you will be advised of the results of those examinations in a subsequent report.

The following examinations are currently being conducted:

Q25 through Q81 and Q109 - Special Photographic Unit
Q110 through Q131, NE4, NE7 - Chemistry Unit

BACKGROUND INFORMATION:

Your office advised that on 7/17/96 at approximately 8 PM a Boeing 747 aircraft designated TWA Flight 800 exploded over the Atlantic Ocean approximately 20 miles south of the Long Island, New York coast. In an effort to determine the cause of the explosion numerous pieces of wreckage have been sent to the Laboratory for examination.

METALLURGY EXAMINATIONS:

60723031 S AD AR RU

Metallurgical examinations of specimens Q6 and Q8 revealed no characteristic indicative of blast damage. The observed surface damage was concluded to be attributable to corrosion mechanisms, with the exception of certain manufacturing/service anomalies.

60730006 S AD RU

Metallurgical examinations of specimens Q18 and Q19 revealed no characteristic indicative of blast damage. The surface damage exhibited is concluded to be the result of corrosion.

60730007 S AD RU

Metallurgical examinations of specimens Q20 through Q24 revealed no characteristic indicative of blast damage. The observed surface damage was concluded to be attributable to corrosion mechanisms.

60909001 S AD AR RU

Joint evaluation by FBI and National Transportation Safety Board (NTSB) metallurgists of the Q90 portion of fuselage and Q91 fuselage fragment revealed no exogenous deposit of apparent probative value or characteristic of proximity to a high order explosive.

The Q92 fractured duct flange and the Q93 section of fuel probe were released to the custody of James F. Wildey, II, NTSB, on September 11. 1996, and will be the subject of a separate report by NTSB.

61118011 S AD HJ

Metallurgical examinations of the Q110 section revealed no characteristic indicative of high explosive damage.

GLASS EXAMINATION:

60806002 S AD ZG

Although the origin of the Q83 glass fragment cannot be precisely realized, optically, physically and compositionally this glass is generally characteristic of that use in "light bulbs" and fluorescent tubes.

(over)

PAINT EXAMINATION:

Specimens Q98 through Q107, K1 and K2, were examined microscopically. The paint samples K1 and K2 exhibited the following layer structures:

1. Clear
2. Orange
3. Dark Orange
5. Black primer

Present in the debris removed from Q98 and Q99 were numerous particles of single layered paint-like samples and several multi-layered chips. Based upon the comparison examinations conducted, the paint samples from 98 and Q99 could not be associated with Q101, Q103, or Q107, however, the samples from Q98 and Q99 could not be eliminated as having originated from the sources represented by K1 or K2. The red smears on Q100 and Q102 were microscopically consistent with Q106. The blue samples Q104 and Q105 were compared and dissociated by microchemical tests. No source could be determined for Q104.

EXPLOSIVE COMPOSITION:

60723031

A physical and instrumental examination of residues removed from specimens Q1 through Q6, and Q8 did not detect any traces of nitroglycerine (NG), ethylene glycol dinitrate (EGDN), pentaerythritol tetranitrate (PETN), cyclotrimethylenetrinitramine (RDX), cyclotetramethylenetetranitramine (HMX), dinitrotoluene (DNT), trinitrotoluene (TNT), or trinitrophenylmethylnitramine (TETRYL). The specimens were not tested for the presence of any inorganic explosives due to this categories high water solubility.

A physical an instrumental analyses of specimen Q7 identified its major component to be sucrose with a minor component ibuprofen. The drug ibuprofen can be obtained over the counter in the United States in such products as Motrin and typically functions as an anti-inflammatory agent.

The specimens were examined using all or some of the following techniques: optical microscopy, chemical spot tests, gas chromatography with chemiluminescence detection, fourier transform infrared spectroscopy, x-ray powder diffraction, and liquid chromatography with mass spectrometry detection.

60723032

A physical and instrumental examination of residues removed from specimens Q9 through Q12 did not detect any traces of nitroglycerine (NG), ethylene glycol dinitrate (EGDN), pentaerythritol tetranitrate (PETN), cyclotrimethylenetrinitramine (RDX), cyclotetramethylenetetranitramine (HMX), dinitrotoluene (DNT), trinitrotoluene (TNT), or trinitrophenylmethylnitramine (TETRYL). The specimens were not tested for the presence of any inorganic explosives due to this categories high water solubility.

The specimens were examined using all or some of the following techniques: optical microscopy, chemical spot tests, gas chromatography with chemiluminescence detection, and liquid chromatography with mass spectrometry detection.

60727032

A physical and instrumental examination of residues removed from specimens Q9 through Q12 did not detect any traces of nitroglycerine (NG), ethylene glycol dinitrate (EGDN), pentaerythritol tetranitrate (PETN), cyclotrimethylenetrinitramine (RDX), cyclotetramethylenetetranitramine (HMX), dinitrotoluene (DNT), trinitrotoluene (TNT), or trinitrophenylmethylnitramine (TETRYL). The specimens were not tested for the presence of any inorganic explosives due to this categories high water solubility.

The specimens were examined using all or some of the following techniques: optical microscopy, chemical spot tests, gas chromatography with chemiluminescence detection, and liquid chromatography with mass spectrometry detection.

60728031

A physical and instrumental examination of residues removed from specimen Q15 (your item 17) identified the presence of cyclotrimethylenetrinitramine (RDX) and pentaerythritol tetranitrate (PETN) high explosive. The source of these materials is not known since live explosives were reportedly used on the aircraft for training purposes prior to this event.

A physical and instrumental examination of residues removed from specimens Q13, Q14 and Q16 did not detect any traces of nitroglycerine (NG), ethylene glycol dinitrate (EGDN), pentaerythritol tetranitrate (PETN), dinitrotoluene (DNT), cyclotrimethylenetrinitramine (RDX), trinitrotoluene (TNT), cyclotetramethylenetetranitramine (HMX), or trinitrophenylmethylnitramine (TETRYL). The specimens were not tested for the presence of any inorganic explosives because of their high water solubility.

The specimens were examined using all or some of the following techniques: optical microscopy, chemical spot tests, gas chromatography with chemiluminescence detection, ion mobility spectrometry, gas chromatography with mass spectrometry detection, and liquid chromatography with mass spectrometry detection.

60804032

A physical and instrumental examination of residues removed from specimen Q82 did not detect any traces of nitroglycerine (NG), ethylene glycol dinitrate (EGDN), pentaerythritol tetranitrate (PETN), dinitrotoluene (DNT), cyclotrimethylenetrinitramine (RDX), trinitrotoluene (TNT), cyclotetramethylenetetranitramine (HMX), or trinitrophenylmethylnitramine (TETRYL). The specimen was not tested for the presence of any inorganic explosives because of their high water solubility.

The specimen was examined using the following techniques: optical microscopy, gas chromatography with chemiluminescence detection, ion mobility spectrometry, gas chromatography with mass spectrometry detection, and liquid chromatography with mass spectrometry detection.

60817031

A physical and instrumental examination of residues removed from specimen Q85 identified the presence of nitroglycerine high explosive. The source of this material is not known since live explosives were reportedly used on the aircraft for training purposes prior to this event. Further examinations of the residue did not detect any traces of ethylene glycol dinitrate (EGDN), pentaerythritol tetranitrate (PETN), dinitrotoluene (DNT), cyclotrimethylenetrinitramine (RDX), trinitrotoluene (TNT), cyclotetramethylenetetranitramine (HMX), or trinitrophenylmethylnitramine (TETRYL). The specimen was not tested for the presence of any inorganic explosives because of their high water solubility.

The specimen was examined using the following techniques: optical microscopy, gas chromatography with chemiluminescence detection, ion mobility spectrometry, gas chromatography with mass spectrometry detection, and liquid chromatography with mass spectrometry detection.

60818061

A physical and instrumental examination of residues removed from specimen Q86 did not detect any traces of nitroglycerine (NG), ethylene glycol dinitrate (EGDN), pentaerythritol tetranitrate (PETN), dinitrotoluene (DNT), cyclotrimethylenetrinitramine (RDX), trinitrotoluene (TNT), cyclotetramethylenetetranitramine (HMX), or trinitrophenylmethylnitramine (TETRYL). The specimen was not tested for the presence of any inorganic explosives because of their high water solubility.

The specimen was examined using the following techniques: optical microscopy, gas chromatography with chemiluminescence detection, ion mobility spectrometry, gas chromatography with mass spectrometry detection, and liquid chromatography with mass spectrometry detection.

60830005

A physical and instrumental examination of residues removed from specimen Q87 (your item 34) identified the presence of cyclotrimethylenetrinitramine (RDX) high explosive. The source of this material is not known since live explosives were reportedly used on the aircraft for training purposes prior to this event. Further examinations of the residue did not detect any traces of nitroglycerine (NG), ethylene glycol dinitrate (EGDN), pentaerythritol tetranitrate (PETN), dinitrotoluene (DNT), trinitrotoluene (TNT), cyclotetramethylenetetranitramine (HMX), or trinitrophenylmethylnitramine (TETRYL). The specimen was not tested for the presence of any inorganic explosives because of their high water solubility.

The specimen was examined using the following techniques: optical microscopy, gas chromatography with chemiluminescence detection, ion mobility spectrometry, gas chromatography with mass spectrometry detection, and liquid chromatography with mass spectrometry detection.

60909001

A physical and instrumental examination of residues removed from specimens Q88 through Q93 did not detect any traces of nitroglycerine (NG), ethylene glycol dinitrate (EGDN), pentaerythritol tetranitrate (PETN), dinitrotoluene (DNT), cyclotrimethylenetrinitramine (RDX), trinitrotoluene (TNT), cyclotetramethylenetetranitramine (HMX), or trinitrophenylmethylnitramine (TETRYL). The specimens were not tested for the presence of any inorganic explosives because of their high water solubility.

The specimens were examined using the following techniques: optical microscopy, gas chromatography with chemiluminescence detection, ion mobility spectrometry, and liquid chromatography with mass spectrometry detection.

60912038

A physical and instrumental examination of residues removed from specimen Q94 did not detect any traces of nitroglycerine (NG), ethylene glycol dinitrate (EGDN), pentaerythritol tetranitrate (PETN), dinitrotoluene (DNT), cyclotrimethylenetrinitramine (RDX), trinitrotoluene (TNT), cyclotetramethylenetetranitramine (HMX), or trinitrophenylmethylnitramine (TETRYL). The specimen was not tested for the presence of any inorganic explosives because of their high water solubility.

The specimen was examined using the following techniques: optical microscopy, gas chromatography with chemiluminescence detection, ion mobility spectrometry, gas chromatography with mass spectrometry detection, and liquid chromatography with mass spectrometry detection.

61007055

A physical and instrumental examination of residues removed from specimens Q95 and Q96 did not detect any traces of nitroglycerine (NG), ethylene glycol dinitrate (EGDN), pentaerythritol tetranitrate (PETN), dinitrotoluene (DNT) cyclotrimethylenetrinitramine (RDX), or trinitrotoluene (TNT). The specimens were not tested for the presence of any inorganic explosives due to their high water solubility.

The specimens were examined using following techniques: optical microscopy, chemical spot tests, and gas chromatography with chemiluminescence detection.

Please call the Explosives Unit-Bomb Data Center, (202) 324-2696, if you have any questions concerning the results of examinations in this case.