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September 5, 1964

MEMORANDUM

To: Norman Redlich
From: Melvin A. Eisenberg
Subject: Neutron Activation Analysis ✓

The following questions should be asked of the FBI:

1. A description of the neutron activation test. ✓
2. When the test was performed on the paraffin cast. ✓
3. How much barium and antimony were found on the cast.
4. Were any significant elements of other than barium and antimony found?
5. How rare are barium and antimony as compared with nitrates or other oxidizing agents which can cause a reaction to the paraffin test?
6. Were barium and antimony found on both sides of the paraffin cast of the cheek?
7. If so, doesn't that indicate that the casts were contaminated so that the whole test was worthless?
8. What is the meaning of the statement in the letter from the FBI that there was more barium and antimony on the cast than might normally be expected to be found on a person who had not fired a weapon. Does this mean that there were more barium and antimony than would be present on a person's hands even if he had handled some of the items listed in the letter from the FBI setting forth items containing barium and/or antimony? If not, what is the validity of the statement?