



Commonwealth of Virginia
DEPARTMENT OF FORENSIC SCIENCE

COPY

CERTIFICATE OF ANALYSIS

September 24, 2009

Central Laboratory
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Richmond, VA 23219

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TO: SHERIFF
BEDFORD COUNTY SHERIFF'S OFFICE
1345 FALLING CREEK RD
BEDFORD, VA 24523

SUPPLEMENTAL REPORT

FS Lab # W85-01536

Your Case #: 8536

Victim(s): HAYSOM, Nancy
HAYSOM, W.R. Derek

Suspect(s): SOERING, Jens

Evidence Submitted By: G. J. Brown
Lynchburg Police Department

Date Received: 04/05/1985

| | |
|-----------|----------------------------|
| Item 1B | Stains in floor |
| Item 1FE | Cigarette butt |
| Item 2FE | Stain |
| Item 2K | Stained paper napkin |
| Item 3FE | Stain |
| Item 3K | Grey shoe with stains |
| Item 4DR | Stain |
| Item 4FE | Stain |
| Item 5DR | Stain |
| Item 5FE | Stain |
| Item 6DR | Stain |
| Item 6FE | Stain |
| Item 6LR | Dried stain at male victim |
| Item 7DR | Napkin |
| Item 7FE | Threshold |
| Item 8DR | Seat |
| Item 9DR | Seat |
| Item 9K | Crusted stain from floor |
| Item 9LR | Fireplace tongs |
| Item 10DR | Seat |
| Item 10K | Stain recovered from floor |
| Item 10LR | Swabs of stains |
| Item 11DR | Seat |
| Item 11K | Stain recovered from floor |
| Item 11LR | Swabs of stains |
| Item 12LR | Swabs of stains |
| Item 13K | Stain from floor |
| Item 14K | Stain from floor |
| Item 15K | Crusted stain from floor |
| Item 16K | Kitchen floor |



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Item 22K Metal molding around counter top with stains
Item 23K Section of formica counter top with stains
Item 25K Metal molding from counter top with stains

Evidence Submitted By: OCME, Western District Date Received: 04/08/1985

Item CME-2 Clothing from Nancy Haysom

Evidence Submitted By: G. J. Brown Date Received: 04/17/1985
Lynchburg Police Department

Item 18DR Stain
Item 19DR Stain
Item 20DR Picture from wall with dried stain
Item 21DR Stain from dining room
Item 22DR Stain
Item 35K Swabs
Item 38K Rags from washer in kitchen

Evidence Submitted By: S. C. Rush Date Received: 05/31/1985

Item 14B Clothing

METHODS:

- The method of deoxyribonucleic acid (DNA) analysis used was the Polymerase Chain Reaction (PCR) performed by The Bode Technology Group, Inc. on evidence retained in the case file.
- The PCR amplification kit used was the PowerPlex[®] 16 BIO system.
- The PowerPlex[®] 16 BIO system contains 16 genetic loci (FGA, TPOX, D8S1179, vWA, Penta E, D18S51, D21S11, TH01, D3S1358, Penta D, CSF1PO, D16S539, D7S820, D13S317, D5S818 and Amelogenin, a gender determining locus which is not used for statistical purposes).

RESULTS:

DNA profiles were obtained for Jens Soering [REDACTED] from the Virginia DNA Data Bank.

- These sample profiles were used for investigational purposes only.
- Whenever Data Bank samples are used for such purposes, a confirmation must be performed. This requires the submission of two buccal (cheek) swabs from Jens Soering [REDACTED]



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Item 22DR – Stain
Item 2FE – Stain
Item 35K – Swabs
Item 4DR – Stain
Item 6FE – Stain
Item 6LR – Dried stain at W.R. Derek Haysom
Item 7DR – Napkin
Item 8DR – Seat

- DNA profiles consistent with having originated from a common male contributor were developed.
 - Jens Soering and Elizabeth Haysom are eliminated as contributors.
 - Without a known DNA profile from W.R. Derek Haysom or Nancy Haysom, no conclusions can be reached as to whether these DNA profiles may be attributable to either of them.

Item 23K – Section of formica counter top with stains

Stain #1

- Limited DNA types indicative of a male contributor were developed.
 - Jens Soering and Elizabeth Haysom are eliminated as contributors.
 - Without a known DNA profile from W.R. Derek Haysom or Nancy Haysom, no conclusions can be reached as to whether these DNA profiles may be attributable to either of them.

Stain #2

- DNA types of no value and indicative of a male contributor were developed.
 - Due to the limited information obtained, these DNA types are not suitable for comparison, searching against the Virginia DNA Data Bank or submission to the National DNA Data Bank.

Item 7FE - Threshold

Stain #1

- DNA types of no value and indicative of a male contributor were developed.
 - Due to the limited information obtained, these DNA types are not suitable for comparison, searching against the Virginia DNA Data Bank or submission to the National DNA Data Bank.

Stain #2

- No DNA typing results were obtained.

Item 9K – Crusted stain from floor

Item 10K – Stain recovered from floor

- DNA profiles consistent with having originated from a common female contributor were developed.
 - Jens Soering and Elizabeth Haysom are eliminated as contributors.
 - Without a known DNA profile from W.R. Derek Haysom or Nancy Haysom, no conclusions can be reached as to whether these DNA profiles may be attributable to either of them.



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Item 9DR – Seat
Item 11DR – Seat
Item 15K – Crusted stain from floor
Item 21DR – Stain from dining room

- DNA types of no value and indicative of a male contributor were developed.
 - Due to the limited information obtained, these DNA types are not suitable for comparison, searching against the Virginia DNA Data Bank or submission to the National DNA Data Bank.

Item 10DR – Seat

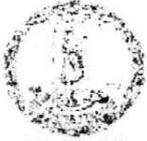
- DNA types of no value were developed.
 - Due to the limited information obtained, these DNA types are not suitable for comparison, searching against the Virginia DNA Data Bank or submission to the National DNA Data Bank.
 - No conclusions can be reached regarding the gender of the contributor.

Item 11LR – Swabs of stains

- Information developed at the Amelogenin locus indicates the presence of a male contributor; however, no DNA typing results were obtained from the remaining genetic loci.

Item 10LR – Swabs of stains
Item 11K – Stain recovered from floor
Item 12LR – Swabs of stains
Item 13K – Stain from floor
Item 14B – Clothing
Item 14K – Stain from floor
Item 16K – Kitchen floor
Item 18DR – Stain
Item 19DR – Stain
Item 1B – Stains in floor
Item 1FE – Cigarette butt
Item 20DR – Picture from wall with dried stain
Item 22K – Metal molding around counter top with stains
Item 25K – Metal molding from counter top with stains
Item 2K – Stained paper napkin
Item 38K – Rags from washer in kitchen
Item 3FE – Stain
Item 3K – Grey shoe with stains
Item 4FE – Stain
Item 5DR – Stain
Item 5FE – Stain
Item 6DR – Stain
Item 9LR – Fireplace tongs
Item CME-2 – Clothing from Nancy Haysom

- No DNA typing results were obtained.



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Refer to Appendix 1 for the PowerPlex 16[®] BIO typing results and Appendix 2 for the Abbreviations.

The evidence recovered in the case file will be retained by the Virginia Department of Forensic Science.

Attest:

I certify that I performed the above analysis or examination as an employee of the Department of Forensic Science and that the above is an accurate record of the results and interpretations of that analysis or examination.

Shelley S. Edler
Forensic Scientist

CC: Commonwealth's Attorney, Bedford County
OCME, Western District
SSE



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DEPARTMENT OF FORENSIC SCIENCE**

Appendix 1: Table of Typing Results
FS Lab # W85-01536
September 24, 2009

| Description | FGA | TPOX | D8S1179 | vWA | Amel | Penta E | D18S51 | D21S11 |
|------------------------------|-----|------|---------|---------|------|---------|---------|--------|
| 10DR Seat | | | | 17 | X | | | |
| 10K Stain from floor | | 8 | 14 10 | 17 | X X | | | |
| 11DR Seat | | | | 17 | Y X | | | |
| 11LR Swabs of stains | | | | | Y X | | | |
| 15K Crusted stain from floor | | | | 18 17 | Y X | | | |
| 21DR Stain from dining room | | | | 18 17 | Y X | | | |
| 22DR Stain | | | | (18) 17 | Y X | | 30 27 | |
| 23K Counter top stain #1 | | | | 17 | Y X | | | |
| 23K Counter top stain #2 | | | | 18 17 | Y X | | | |
| 2FE Stain front screen door | | | 14 13 | 18 (17) | Y X | | 30 27 | |
| 35K Swabs | 21 | 8 | 14 13 | 18 17 | Y X | | 30 27 | |
| 4DR Stain | 22 | 8 | 14 13 | 18 17 | Y X | | 30 27 | |
| 6FE Stain | | | | 18 17 | Y X | | | |
| 6LR Stain at W.R. Haysom | | | | 18 17 | Y X | | 27 | |
| 7DR Napkin | | | 14 | 18 17 | Y X | | | |
| 7FE Threshold stain #1 | | | 14 13 | 18 17 | Y X | | | |
| 8DR Seat | 21 | | 13 | 18 17 | Y X | | 27 | |
| 9DR Seat | | | 14 | | Y X | | | |
| 9K Crusted stain from floor | | | 14 | 17 | X X | | 32.2 28 | |

| Description | TH01 | D3S1358 | Penta D | CSFIPO | D16S539 | D7S820 | D13S317 | D5S818 |
|------------------------------|-------|---------|---------|--------|---------|--------|---------|--------|
| 10DR Seat | | 19 16 | | | | | | 12 |
| 10K Stain from floor | 9.3 7 | 16 14 | | | | | 11 8 | 12 |
| 11DR Seat | | 19 | | | | | | 12 |
| 11LR Swabs of stains | | | | | | | | |
| 15K Crusted stain from floor | | 19 16 | | | | | | 12 |
| 21DR Stain from dining room | | 19 16 | | | | | | 12 |
| 22DR Stain | | 19 16 | | | | | | 12 |
| 23K Counter top stain #1 | | 19 16 | | | | 11 | 12 | 12 |
| 23K Counter top stain #2 | | | | | | | | 12 |
| 2FE Stain front screen door | 8 | 19 16 | | | | 11 | 13 12 | 12 |
| 35K Swabs | 9.3 8 | 19 16 | | | 11 | 11 | 13 12 | 12 |
| 4DR Stain | 9.3 8 | 19 16 | | | | 11 | 13 12 | 12 |
| 6FE Stain | 9.3 8 | 19 16 | | | | | | 12 |
| 6LR Stain at W.R. Haysom | 9.3 8 | 19 16 | | | | | 13 12 | 12 |
| 7DR Napkin | | 19 16 | | | | | | 12 |
| 7FE Threshold stain #1 | | | | | | | | 12 11 |
| 8DR Seat | | 19 16 | | | | | | 12 |
| 9DR Seat | | 16 | | | | | | 12 |
| 9K Crusted stain from floor | 9.3 7 | 16 14 | | | | | 8 | 12 |



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Appendix 2: Abbreviations

FS Lab # W85-01536

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| | |
|------|----------------------------------|
| ANO | Anorectal sample |
| BLD | Blood stain |
| ELIM | Elimination |
| ENV | Envelope |
| FNC | Finger Nail Clippings |
| FNS | Finger Nail Scrapings |
| K | Known |
| L | Left |
| LLA | Lips/Lip Area sample |
| MAT | Material |
| NSP | Non-sperm fraction |
| OR | Oral Rinse sample |
| PA | Pubic Area sample |
| PB | Perianal/Buttocks sample |
| PH | Pubic Hair |
| Q | Questioned |
| R | Right |
| SC | Stain Card |
| SMPL | Sample |
| SP | Sperm fraction |
| STN | Stain |
| STND | Stained |
| SUS | Suspect |
| SWB | Swab |
| TEG | Thighs/External Genitalia sample |
| UPS | Underpants |
| VC | Vaginal/Cervical sample |
| VIC | Victim |