



Submitting Agency

Date: May 8, 2006

Sheriff Jerry A. Pagel  
Attn: Mark Weigert  
Calumet County Sheriff's Office  
206 Court St.  
Chilton, WI 53014

Case No: M05-2467

Agency No.: 05-0157-955

Laboratory Analyst:

Case Name: Halbach, Teresa M. (V) -  
Town of Gibson, Manitowoc  
County, Wisconsin

*Sherry Culhane*  
Sherry L. Culhane  
(DNA Analysis)

I do hereby certify this document, consisting of 5 page(s), to be a true and correct report of the findings of the State Crime Laboratory on the items examined as shown by this report.


Peggy A. Lautenschlager  
ATTORNEY GENERAL

Designee: *Kevin B. Vassallo*  
SIGNATURE

The following items of evidence were examined in the DNA Unit of this Laboratory:

- Item EM - buccal cell standard reportedly collected from Brendan Dassey
- Item EN - yellow work gloves
- Item EZ - one "Chicago Cutlery" paring knife
- Item FB - one round tin containing questioned material
- Item FK - one apparent bullet fragment
- Item FL - one apparent bullet fragment
- Item FU - one butcher knife
- Item FV - one butcher knife
- Item FW - one butcher knife
- Item FX - one serrated blade butcher knife
- Item FY - one filet knife
- Item FZ - one butcher knife
- Item GA - one butcher knife
- Item GG - one creeper
- Item GH - one creeper
- Item GI - one wooden full-size headboard
- Item GJ - questioned stain reportedly collected from "left leg" of headboard
- Item GL - questioned stain reportedly collected from "left leg" of headboard
- Item GN - questioned stain reportedly collected from "left leg" of headboard
- Item GP - questioned stain reportedly collected from "light switch"

- Item GR - questioned stain reportedly collected from "side of light switch plate"
- Item GT - questioned stain reportedly collected from "0" on telephone
- Item GV - questioned stain reportedly collected from "charging cord"
- Item GX - questioned stain reportedly collected from "bottom portion of speaker"
- Item GZ - questioned stain reportedly collected from "bottom of radio"
- Item HB - questioned stain reportedly collected from "outlet plate"
- Item HD - questioned stain reportedly collected from "grooved area of outlet plate"
- Item HF - questioned stain reportedly collected from "outlet cover"
- Item HH - questioned stain reportedly collected from "outlet cover"
- Item HJ - questioned stain reportedly collected from "side of outlet plate"
- Item HL - questioned stain reportedly collected from "partial yardstick"
- Item HN - questioned stain reportedly collected from "top of heat vent"
- Item HP - questioned stain reportedly collected from "under damper of heat vent"
- Item HR - questioned stain reportedly collected from "flower #2 on hula skirt"
- Item HT - questioned stain reportedly collected from "3<sup>rd</sup> flower on hula skirt"
- Item HV - swabbing of necklace
- Item HW - swabbing of necklace
- Item HX - questioned stain reportedly collected from "top of nightstand"
- Item HZ - questioned stain reportedly collected from "top of nightstand"
- Item IB - swabbing of "Toyota SWH-582 exterior passenger door handle"
- Item IC - swabbing of "Toyota SWH-582 interior passenger door handle"
- Item ID - swabbing of "Toyota SWH-582 hood latch"
- Item IE - swabbing of "Toyota SWH-582 left battery cable"
- Item IF - swabbing of "Toyota SWH-582 right battery cable"
- Item IG - swabbing of "Toyota SWH-582 interior drivers door"
- Item IH - swabbing of "RAV 4 exterior drivers door handle"
- Item IJ - one jacket
- Item IK - blue jeans.



## RESULTS

Chemical analysis of questioned staining from items EZ, FB, FU, FV, FW, FX, FY, FZ, GA, GG, GH, GI, GJ, GL, GN, GR, GT, GV, GX, GZ, HB, HD, HF, HH, HJ, HL, HN, HP, HR, HT, HX, HZ, IJ and IK **did not** indicate the presence of blood. No further examinations were conducted on these items.

Chemical analysis of several areas of brown staining on the right work glove (item EN1) tested inconclusive for the presence of blood.

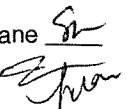
Chemical analysis of the reddish/brown stain from the light switch (item GP) indicated the presence of blood.

Items EM, EN1, FK, FL, GP, HV, HW, IB, IC, ID, IE, IF, IG and IH were extracted for the possible presence of DNA. The amount of human deoxyribonucleic acid (DNA) isolated from items EN1, FK, IB and IC was insufficient for further examination. No human DNA was present on items HV, HW, IE, IF or IH. Human DNA was isolated and subsequent STR typing was attempted on questioned stains from items FL, GP, ID and IG.

Using the Promega PowerPlex® 16 amplification kit, samples from items EM, FL, GP, ID and IG were amplified by the polymerase chain reaction (PCR) method and typed for fifteen short tandem repeat (STR) genetic markers and the gender marker amelogenin. The profiles developed from these samples are listed in the following table:

Genetic Marker	Item EM (Brendan Dassey)	Item FL	Item GP	Item ID	Item IG
D3S1358	16,17	16,18	16	16,18	16,18
TH01	7,9,3	6,9,3	6,8	9,3	6,9,3
D21S11	30,32,2	28,34,2	29,30	28,30	28,34,2
D18S51	13,14	14,16	11,15	14,20	14,16*
Penta E	5,11	5,7	12,14	5,10	5,7*
D5S818	11	12,13	9,11	11,12	12,13
D13S317	11,13	12,13	8,10	8,12	12,13
D7S820	10,11	11	8,10	7,10	11
D16S539	11,13,14**	12,*	9,11	11,14	12,13
CSF1PO	8,12	10	11,12	12	10
Penta D	10,13	11,13	9,12	10,11	11,13
vWA	17,18	16	16,17	15,19	16
D8S1179	14,15	11,15	13,14	10,15	11,15
TPOX	8,9	*,11	8	9,11	10,11
FGA	19,20	21,22	22,23	20,26	21,22
Amelogenin	X,Y	X	X	X,Y	X

X – female    X,Y – male    \* - loci not used for stats    \*\* - triallelic pattern



The profiles developed from the bullet fragment (item FL) and the interior driver's door handle (item IG) are **consistent** with the profile developed from the pap smear (item EF) reportedly collected from Teresa Halbach. (See Laboratory Reports No. M05-2467 issued November 14, 2005, December 5, 2005 and March 31, 2006 by this analyst.) The manipulation control extracted with the bullet fragment (item FL) contains DNA that is consistent with this analyst.

The profile developed from the questioned stain on the light switch (item GP) is consistent with originating from a female individual. This profile is **not consistent** with the profile from the pap smear (item EF) of Teresa Halbach. (See Laboratory Reports No. M05-2467 issued November 14, 2005, December 5, 2005 and March 31, 2006 by this analyst.)

The profile developed from the swabbings of the hood latch (item ID) is **consistent** with the profile developed from the buccal cell standard of Steven Avery (item BU). (See Laboratory Reports No. M05-2467 issued November 14, 2005, December 5, 2005 and March 31, 2006 by this analyst.)

The buccal cell standard (item EM) reportedly collected from Brendan Dassey was compared to previously developed mixture profiles from the handcuffs (item CJ1) and the leg irons (item CJ2) (See Laboratory Report No. M05-2467 issued March 31, 2006 by this analyst.) Based on the profile developed from the buccal cell standard of Brendan Dassey (item EM) he cannot be considered a possible contributor to the mixtures profiles from items CJ1 and CJ2.

### CONCLUSIONS

It is the opinion of this analyst, to a reasonable degree of scientific certainty, that Teresa Halbach is the source of the DNA present on the bullet fragment (item FL) and the interior driver's door handle (item IG).

Teresa Halbach is **eliminated** as a potential source of the DNA present from the reddish/brown stain on the light switch (item GP).

It is the opinion of this analyst, to a reasonable degree of scientific certainty, that Steven Avery is the source of the DNA present from the swabbings of the hood latch (item ID).

Brendan Dassey is **eliminated** as a potential contributor to the DNA mixtures of items CJ1 And CJ2.

These conclusions are based on statistics derived from a database of unrelated Caucasian, African American, Southeastern Hispanic and Southwestern Hispanic individuals obtained from the Federal Bureau of Investigation (FBI).

**Evidence Disposition:** Upon completion of all Laboratory analyses, all items will be returned to the submitting agency.



Submitting Agency:

Date: December 4, 2006

Sheriff Jerry A. Pagel  
Attn: Mark Weigert  
Calumet County Sheriff's Office  
206 Court St.  
Chilton, WI 53014

Case No: M05-2467

Agency No.: 05-0157-955

Laboratory Analyst:

Case Name: Halbach, Teresa M. (V) -  
Town of Gibson, Manitowoc  
County, Wisconsin

*Sherry L. Culhane*  
Sherry L. Culhane  
(DNA Analysis)

I do hereby certify this document, consisting of 6 page(s), to be a true and correct report of the findings of the State Crime Laboratory on the items examined as shown by this report.

Peggy A. Lautenschlager  
ATTORNEY GENERAL

Designee: *Sherry L. Culhane*  
SIGNATURE

The following items of evidence were examined in the DNA Unit of this Laboratory:

- Item IL - questioned stain reportedly collected on swabs (4)  
(agency #9621)
- Item IM - questioned stain reportedly collected on swabs (2)  
(agency #9622)
- Item IN - questioned stain reportedly collected on swabs (2)  
(agency #9624)
- Item IO - questioned stain reportedly collected on swabs (2)  
(agency #9626)
- Item IP - questioned stain reportedly collected on swab  
(agency #9628)
- Item IQ - questioned stain reportedly collected on swabs (2)  
(agency #9630)
- Item IR - questioned stain reportedly collected on swab  
(agency #9632)
- Item IS - questioned stain reportedly collected on swabs (2)  
(agency #9634)
- Item IT - questioned stain reportedly collected on swabs (4)  
(agency #9636)
- Item IU - questioned stain reportedly collected on swabs (3)  
(agency #9638)
- Item IV - questioned stain reportedly collected on swabs (2)  
(agency #9640)
- Item IW - questioned stain reportedly collected on swabs (2)  
(agency #8803)

- Item IX - questioned stain reportedly collected on swabs (2)  
(agency #8805)
- Item IY - questioned stain reportedly collected on swab  
(agency #8807)
- Item IZ - questioned stain reportedly collected on swab  
(agency #8809)
- Item JA - questioned stain reportedly collected on swab  
(agency #8811)
- Item JB - questioned stain reportedly collected on swab  
(agency #8813)
- Item JC - questioned stain reportedly collected on swab  
(agency #8815)
- Item JD - questioned stain reportedly collected on swab  
(agency #8817)
- Item JE - questioned stain reportedly collected on swabs (2)  
(agency #8819)
- Item JF - questioned stain reportedly collected on swabs (4)  
(agency #8821)
- Item JG - questioned stain reportedly collected on swabs (2)  
(agency #8823)
- Item JH - questioned stain reportedly collected on swabs (2)  
(agency #8825)
- Item JI - questioned stain reportedly collected on swabs (2)  
(agency #8827)
- Item JJ - questioned stain reportedly collected on swab  
(agency #8829)
- Item JK - questioned stain reportedly collected on swab  
(agency #8831)
- Item JL - questioned stain reportedly collected on swab  
(agency #8833)
- Item JM - questioned stain reportedly collected on swab  
(agency #8834)
- Item JN - questioned stain reportedly collected on swab  
(agency #8836)
- Item JO - questioned stain reportedly collected on swab  
(agency #8838)
- Item JP - questioned stain reportedly collected on swab  
(agency #8840)
- Item JQ - questioned stain reportedly collected on swab  
(agency #8842)
- Item JR - questioned stain reportedly collected on swab  
(agency #8844)
- Item JS - questioned stain reportedly collected on swabs (2)  
(agency #8846)

- Item JT - questioned stain reportedly collected on swabs (2)  
(agency #8848)
- Item JU - questioned stain reportedly collected on swab  
(agency #8850)
- Item JV - questioned stain reportedly collected on swab  
(agency #8852)
- Item JW - questioned stain reportedly collected on swab  
(agency #8854)
- Item JX - questioned stain reportedly collected on swab  
(agency #8856)
- Item JY - questioned stain reportedly collected on swabs (2)  
(agency #8858)
- Item JZ - questioned stain reportedly collected on swabs (2)  
(agency #8860)
- Item KA - questioned stain reportedly collected on swab  
(agency #8862)
- Item KB - questioned stain reportedly collected on swab  
(agency #8864)
- Item KC - questioned stain reportedly collected on swabs (2)  
(agency #8866)
- Item KD - questioned stain reportedly collected on swab  
(agency #8868)
- Item KE - questioned stain reportedly collected on swabs (2)  
(agency #8870)
- Item KF - questioned stain reportedly collected on swabs (4)  
(agency #8872)
- Item KG - questioned stain reportedly collected on swabs (4)  
(agency #8874)
- Item KH - questioned stain reportedly collected on swabs (2)  
(agency #8876)
- Item KI - questioned stain reportedly collected on swabs (2)  
(agency #8878).

The following additional buccal cell standards were submitted to be utilized for comparison purposes:

- Item KL - buccal cell standard reportedly collected from Barb Janda
- Item KM - buccal cell standard reportedly collected from Bobby Dassey
- Item KN - buccal cell standard reportedly collected from Earl Avery
- Item KO - buccal cell standard reportedly collected from Charles Avery
- Item KP - buccal cell standard reportedly collected from Delores Avery.



**RESULTS**

Human deoxyribonucleic acid (DNA) was isolated from items IY, JW, KE and KH. Using the Promega PowerPlex® 16 amplification kit the DNA was amplified with the polymerase chain reaction (PCR) method and typed for fifteen short tandem repeat (STR) genetic markers as well as the gender marker amelogenin. The profiles developed from these samples are listed in the following table:

Genetic Markers	Item IY	Item KH
D3S1358	16,18	16
TH01	9.3	7,9.3
D21S11	28,30	30,31.2
D18S51	14,20	14,15
Penta E	5,*	5,*
D5S818	11,12	11
D13S317	8,12	11
D7S820	7,10	11,12
D16S539	11,14	11,12
CSF1PO	12	8,12
Penta D	*,11	*
vWA	15,19	17,18
D8S1179	10,15	14,15
TPOX	9,11	8
FGA	*,26	19
Amelogenin	X,Y	X,Y

X - female X,Y - male \* - possible peaks below 100 RFU

The DNA profiles developed from the additional buccal cell standards are listed in the following table:

Genetic Markers	Item KL Barb Janda	Item KM Bobby Dassey	Item KN Earl Avery	Item KO Charles Avery	Item KP Delores Avery
D3S1358	16,18	16,18	15,18	16	16,18
TH01	9.3	6,9.3	9.3	9.3	9.3
D21S11	30	30,32.2	30	28,30	30
D18S51	14	14,15	14,20	14,20	14,19
Penta E	5,10	5,11	7,10	5,10	10
D5S818	9,11	9,11	12	12	9,12
D13S317	11,12	11,13	8,11	11,12	11,12
D7S820	10,11	10,12	7,10	7,10	7,11
D16S539	12,13	11,12	12,13	11,14	11,12
CSF1PO	11,12	8,11	12	12	11,12
Penta D	10,11	11,13	10,11	10,11	11
vWA	17	17	15,19	15,19	15,17
D8S1179	14,15	14,15	10,15	11,14	10,14
TPOX	8,9	8	9,11	9,11	9
FGA	19,20	19,20	19,20	19,22	19,26
Amelogenin	X	X,Y	X,Y	X,Y	X

X - female X,Y - male

*sub*

A partial DNA profile was developed from the questioned stain of item IY. This profile is **consistent** with the buccal cell standard reportedly collected from Stephen Avery (item BU). This profile is **not consistent** with the DNA standards from Allan Avery (item AY), Bryan Dassey (item BS), Brendan Dassey (item EM), Barb Janda (item KL), Bobby Dassey (item KM), Earl Avery (item KN), Charles Avery (item KO), Delores Avery (item KP) or Teresa Halbach (item EF) (See Laboratory Reports No. M05-2467 issued March 31, 2006 and May 8, 2006 by this analyst).

No amplified DNA was present in the questioned stains of items JW and KE.

A partial DNA profile was developed from the questioned stain of item KH. This profile is consistent with originating from a male individual. This profile is **not consistent** with the DNA standards from Allan Avery (item AY), Bryan Dassey (item BS), Steven Avery (item BU), Brendan Dassey (item EM), Barb Janda (item KL), Bobby Dassey (item KM), Earl Avery (item KN), Charles Avery (item KO), Delores Avery (item KP) or Teresa Halbach (item EF).

Trace amounts of DNA or no DNA at all were present in the questioned stains of items IL - IX, IZ, JA - JV, JX - JZ, KA - KD, KF, KG and KI. No further typing was attempted on these items.

The above mentioned buccal cell standards were compared to previously developed DNA profiles (See Laboratory Reports No. M05-2467 issued November 14, 2005, December 5, 2005, March 31, 2006 and May 8, 2006 by this analyst for the details of these analyses).

The profiles developed from items KL, KM, KN, KO and KP were **not consistent** with the previously developed profiles from the following items of evidence: items A1 - A4, A6 - A10, A12, A14, B1-5, C, G, I1-K, O, P, Y, AA, BZ, CE - CG, CQ, CR4, CX, FL, GP, ID and IG.

The profiles developed from items KL, KM, KN, KO and KP were **not consistent** with being contributors to the previously developed mixture profiles of items CJ1 and CJ2.

The profile previously developed from item CH is **consistent** with the buccal cell standard reportedly collected from Charles Avery (item KO) and **not consistent** with the remaining buccal cell standards (items KL, KM, KN and KP).

The profile previously developed from item GP is consistent with originating from a female individual. This profile is **not consistent** with the buccal cell standards of Barb Janda (item KL) or Delores Avery (item KP).

### CONCLUSIONS

Steven Avery is the source of the DNA present in the questioned stain of item IY.

Charles Avery is the source of the DNA present in the reddish/brown stain of item CH.

These conclusions are based on a database of unrelated Caucasian, African American, Southeastern Hispanic and Southwestern Hispanic populations obtained from the Federal Bureau of Investigation (FBI).

Allan Avery, Bryan Dassey, Steven Avery, Brendan Dassey, Barb Janda, Bobby Dassey, Earl Avery, Charles Avery, Delores Avery and Teresa Halbach are **eliminated** as possible sources of the DNA present in the questioned stain of item KH.

Barb Janda, Bobby Dassey, Earl Avery, Charles Avery and Delores Avery are **eliminated** as possible sources of the DNA present in items A1 - A4, A6 - A10, A12, A14, B1-5, C, G, I1-K, O, P, Y, AA, BZ, CE - CG, CQ, CR4, CX, FL, GP, IG and ID.

Barb Janda, Bobby Dassey, Earl Avery, Charles Avery and Delores Avery are **eliminated** as possible contributors to the mixture profiles of items CJ1 and CJ2.

Barb Janda and Delores Avery are **eliminated** as possible sources of the DNA present in item GP.

**Evidence Disposition:** All items will be returned to the submitting agency.