

Department of Forensic Science  
Breath Alcohol Section  
Instrument Maintenance History  
1/1/1990 To 8/13/2014

HMS  
TLW

Instrument Serial Number: 010484

As of 13-Aug-14

| Maintenance Date | Certification Date | Technician Initials | Remarks   |
|------------------|--------------------|---------------------|---|
| 12-Aug-14        | 10-Apr-14          | HMS (18910)         | REPLACED DRY GAS STANDARD, REPLACED PRINTER RIBBON.   |
| 10-Apr-14        | 10-Apr-14          | HMS (18910)         | CERTIFIED   |
| 30-Oct-13        | 30-Oct-13          | DBH (21250)         | FIRMWARE/SOFTWARE UPGRADE. REPLACED UPS BACK-UP BATTERY. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD. |
| 15-May-13        | 15-May-13          | DBH (21250)         | CERTIFIED.  |
| 28-Nov-12        | 28-Nov-12          | SED (24178)         | FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.                               |
| 13-Jun-12        | 13-Jun-12          | DBH (21250)         | CERTIFIED   |
| 06-Jan-12        | 06-Jan-12          | DBH (21250)         | CALIBRATED, CERTIFIED AND ACCEPTED.   |

IMS  
TLW

# INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number **010484** Worksheet Start Date **8/12/2014**  
 Location **Prince William County Garfield**  
 Address **15948 Donald Curtis Dr., Woodbridge, VA 22191**  
 DFS Technician **Heather Stanton** License No. **18910**

Laboratory  On-Site

Site Specification: No detrimental environmental conditions exist.

Instrument Barometer (mm HG) **755** Reference Barometer (mm HG) **757**  
 Reference Barometer(RB)Serial # **009113** RB Calibration Due **4/28/2015**

### Measurement Assurance Check

|                             |                  |                   |                   |                 |       |
|-----------------------------|------------------|-------------------|-------------------|-----------------|-------|
| <b>Standard (sea level)</b> | <b>PA Target</b> | <b>minimum</b>    | <b>maximum</b>    | <b>Sample 1</b> | 0.300 |
| 0.300                       | 0.298            | 0.289             | 0.306             | <b>Sample 2</b> | 0.300 |
| <b>Precision</b>            |                  | <b>sample min</b> | <b>sample max</b> | <b>Sample 3</b> | 0.299 |
| 0.001                       |                  | 0.299             | 0.300             |                 |       |

|                             |                  |                   |                   |                 |       |
|-----------------------------|------------------|-------------------|-------------------|-----------------|-------|
| <b>Standard (sea level)</b> | <b>PA Target</b> | <b>minimum</b>    | <b>maximum</b>    | <b>Sample 1</b> | 0.099 |
| 0.100                       | 0.099            | 0.096             | 0.102             | <b>Sample 2</b> | 0.099 |
| <b>Precision</b>            |                  | <b>sample min</b> | <b>sample max</b> | <b>Sample 3</b> | 0.099 |
| 0                           |                  | 0.099             | 0.099             |                 |       |

Dry gas standard Lot No. (with tank no.) **AG227501-30**

- Replaced dry gas standard (+O-ring)
- Installed at Location
- Removed to DFS-Central

Supplies  
 Mouthpieces  
 Certificates of Analysis  
 Operator Worksheet  
 Other:



### Notes:

Replaced printer ribbon.

Instrument Serial Number

010484

Certification Date

Calibrated

Certified

Measurement Assurance Check

Instrument Test

Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

|                             |                  |                   |                   |                 |
|-----------------------------|------------------|-------------------|-------------------|-----------------|
| <b>Standard (sea level)</b> | <b>PA Target</b> | <b>minimum</b>    | <b>maximum</b>    | <b>Sample 1</b> |
| 0.250                       |                  | 0.000             | 0.000             | <b>Sample 2</b> |
| <b>Precision</b>            |                  | <b>sample min</b> | <b>sample max</b> | <b>Sample 3</b> |
| 0                           |                  | 0.000             | 0.000             |                 |

|                             |                  |                   |                   |                 |
|-----------------------------|------------------|-------------------|-------------------|-----------------|
| <b>Standard (sea level)</b> | <b>PA Target</b> | <b>minimum</b>    | <b>maximum</b>    | <b>Sample 1</b> |
| 0.150                       |                  | 0.000             | 0.000             | <b>Sample 2</b> |
| <b>Precision</b>            |                  | <b>sample min</b> | <b>sample max</b> | <b>Sample 3</b> |
| 0                           |                  | 0.000             | 0.000             |                 |

|                             |                  |                   |                   |                 |
|-----------------------------|------------------|-------------------|-------------------|-----------------|
| <b>Standard (sea level)</b> | <b>PA Target</b> | <b>minimum</b>    | <b>maximum</b>    | <b>Sample 1</b> |
| 0.080                       |                  | -0.003            | 0.003             | <b>Sample 2</b> |
| <b>Precision</b>            |                  | <b>sample min</b> | <b>sample max</b> | <b>Sample 3</b> |
| 0                           |                  | 0.000             | 0.000             |                 |

|                             |                  |                   |                   |                 |
|-----------------------------|------------------|-------------------|-------------------|-----------------|
| <b>Standard (sea level)</b> | <b>PA Target</b> | <b>minimum</b>    | <b>maximum</b>    | <b>Sample 1</b> |
| 0.020                       |                  | -0.003            | 0.003             | <b>Sample 2</b> |
| <b>Precision</b>            |                  | <b>sample min</b> | <b>sample max</b> | <b>Sample 3</b> |
| 0                           |                  | 0.000             | 0.000             |                 |

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician

*Heath W. Starch*

Date

*8/13/14*

Issuing Analyst

*Tiny*

Date

*8/13/14*

*MSK*

ANS  
TLW

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010484      Test Number: 651

Test Date: 08/12/2014      Test Time: 14:06 EDT

Dry Gas Target: 0.298

Lot Number: AG334603-05      Exp Date: 12/12/2015

Tank Pressure: 75 psi      Barometric Pressure: 755 mmHg

System Check: *Passed*

| Test | g/210L | Time  |
|------|--------|-------|
| BLK  | 0.000  | 14:06 |
| CHK  | 0.300  | 14:07 |
| BLK  | 0.000  | 14:09 |
| CHK  | 0.300  | 14:10 |
| BLK  | 0.000  | 14:11 |
| CHK  | 0.299  | 14:12 |

Test Status: *Success*

Calibration CRC: 2E06FC2F

*Handwritten initials/signature*  
TLW

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010484      Test Number: 652

Test Date: 08/12/2014      Test Time: 14:14 EDT

Dry Gas Target: 0.099

Lot Number: AG227501-30      Exp Date: 10/01/2014

Tank Pressure: 757 psi      Barometric Pressure: 755 mmHg

System Check: *Passed*

| Test | g/210L | Time  |
|------|--------|-------|
| BLK  | 0.000  | 14:15 |
| CHK  | 0.099  | 14:16 |
| BLK  | 0.000  | 14:17 |
| CHK  | 0.099  | 14:18 |
| BLK  | 0.000  | 14:20 |
| CHK  | 0.099  | 14:20 |

Test Status: *Success*

Calibration CRC: 2E06FC2F

hms  
Tlw



COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

|   |                             |
|---|-----------------------------|
| NAME OF ACCUSED<br><b>INSTRUMENT, TEST,</b> | NAME OF COURT<br><b>DFS</b> |
|---|-----------------------------|

**BREATH ANALYSIS**

|   |                                      |  |
|---|--------------------------------------|--|
| SAMPLE EXAMINED AND TEST CONDUCTED BY<br><b>STANTON, HEATHER, M</b> |                                      | AGENCY<br><b>DFS Central Lab</b>         |
| DFS LICENSE NUMBER<br><b>18910</b>                                  | LICENSE EXPIRES<br><b>10/01/2014</b> | DATE TEST CONDUCTED<br><b>08/12/2014</b> |
| TEST EQUIPMENT NUMBER<br><b>010484</b>                              |                                      |  |

RESULTS: TIME SAMPLE TAKEN 14:28 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

**ATTEST:**

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

|                      |
|----------------------|
| BREATH TEST OPERATOR |
|----------------------|

I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_ SUBJECT'S SIGNATURE

SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_ OPERATOR'S SIGNATURE



*HMS  
TLW*

Test Results

**Instrument Serial Number 010484**

|                                 |                        |  |                         |                             |
|---------------------------------|------------------------|--|-------------------------|-----------------------------|
| <b>Test # 000653</b>            | <b>Subject Test</b>    |  |                         |                             |
| Test Location 1 Department of   |                        | Test Location 2 Forensic Science       |                         | Test Location 3             |
| Test Date 12 Aug 2014           |                        | Test Time 14:21                        |                         | System Check Passed         |
|                                 |                        | Remote/Local Local                     |                         |                             |
| Operator's Last Name STANTON    |                        | Operator's First Name HEATHER          |                         | Operator's Middle Initial M |
| Agency DFS Central Lab          |                        | License Number 18910                   |                         |                             |
| Card Serial Number 118910       |                        | Effective Date 10/01/2012              |                         | Expiration Date 10/01/2014  |
| Subject's Last Name INSTRUMENT  |                        | Subject's First Name TEST              |                         |                             |
| Subject's Middle Initial        |                        | Subject's Date of Birth 00/00/0000     |                         | Subject's Sex Male          |
| Driver's License Number         |                        | Driver's License Expiration 00/00/0000 |                         |                             |
|                                 | Driver's License State | Court Name DFS                         |                         |                             |
| End Date 12 Aug 2014            | End Time 14:29         | Result Time 14:28                      | Result Date 12 Aug 2014 | Result 0.00                 |
| Data Type DIAG                  |                        | Sample Value Pass                      |                         | Sample Time 14:22           |
| Data Type BLK                   |                        | Sample Value 0.000                     |                         | Sample Time 14:23           |
| Data Type CHK                   |                        | Sample Value 0.099                     |                         | Sample Time 14:23           |
| Data Type BLK                   |                        | Sample Value 0.000                     |                         | Sample Time 14:25           |
| Data Type SUBJ                  |                        | Sample Value 0.000                     |                         | Sample Time 14:25           |
| Data Type BLK                   |                        | Sample Value 0.000                     |                         | Sample Time 14:26           |
| Data Type SUBJ                  |                        | Sample Value 0.000                     |                         | Sample Time 14:28           |
| Data Type BLK                   |                        | Sample Value 0.000                     |                         | Sample Time 14:29           |
| Standard Type Dry Gas Std       |                        | Standard Value 0.099                   |                         |                             |
| Standard Lot Number AG227501-30 |                        | Standard Expiration Date 10/01/2014    |                         |                             |
| Tank Pressure 747               |                        | Barometric Pressure 755 mmHg           |                         |                             |
| Blow Sample Number 1            | Blow Duration 3.52 sec | Blow Volume 1785 cc                    |                         | End-of-Blow Time 14:25      |
| Blow Sample Number 2            | Blow Duration 3.66 sec | Blow Volume 1785 cc                    |                         | End-of-Blow Time 14:28      |
| Tamper Evident Stamp 4e0750a2   |                        | Test Status Code 0                     |                         |                             |
| Test Status Success             |                        |  |                         |                             |

Department of Forensic Science  
Breath Alcohol Section  
Trouble Call Log  
8/10/2014 To 8/13/2014

*HMS*  
*TKN*

Instrument Serial Number: 010484

13-Aug-14

---

Date: 10-Aug-14 Time: 10:21 PM Remote: True Tech: HMS (18910) Location: Prince William County PD

Indication: OTHER

Problem: DRY GAS STANDARD LOW.

Technician Response: SITE VISIT CONDUCTED. ISSUE RESOLVED.

Resolution NO FURTHER ACTION REQUIRED

---