

**Department of Forensic Science  
Breath Alcohol Section  
Instrument Maintenance History  
1/1/1990 To 2/11/2014**

DBH  
MMB

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**Instrument Serial Number: 010516** **As of 11-Feb-14**

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| Maintenance<br>Date | Certification<br>Date | Technician<br>Initials | Remarks   |
|---------------------|-----------------------|------------------------|---|
| 11-Feb-14           | 16-Oct-13             | DBH (21250)            | REPLACED DRY GAS STANDARD.  |
| 03-Jan-14           | 16-Oct-13             | HMS (18910)            | REPLACED PRINTER RIBBON, REPLACED DRY GAS STANDARD.                             |
| 26-Nov-13           | 16-Oct-13             | HMS (18910)            | REPLACED DRY GAS STANDARD.  |
| 16-Oct-13           | 16-Oct-13             | HMS (18910)            | FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD. |
| 12-Aug-13           | 14-May-13             | MMB (26417)            | REPLACED DRY GAS STANDARD.  |
| 28-Jun-13           | 14-May-13             | HMS (18910)            | REPLACED DRY GAS STANDARD.  |
| 14-May-13           | 14-May-13             | HMS (18910)            | CALIBRATED AND CERTIFIED.   |
| 12-Apr-13           | 27-Dec-12             | HMS (18910)            | REPLACED DRY GAS STANDARD.  |
| 04-Feb-13           | 27-Dec-12             | HMS (18910)            | REPLACED DRY GAS STANDARD.  |
| 27-Dec-12           | 27-Dec-12             | DBH (21250)            | CERTIFIED.  |
| 21-Dec-12           | 21-Dec-12             | DBH (21250)            | CERTIFIED.  |
| 30-Oct-12           | 06-Jun-12             | DBH (21250)            | REPLACED BREATH TUBE.   |
| 11-Oct-12           | 06-Jun-12             | HMS (18910)            | REPLACED PRINTER RIBBON.  |
| 23-Aug-12           | 06-Jun-12             | SED (24178)            | REPLACED DRY GAS STANDARD.  |
| 06-Jun-12           | 06-Jun-12             | DBH (21250)            | CERTIFIED   |
| 03-May-12           | 13-Dec-11             | DBH (21250)            | REPLACED DRY GAS STANDARD.  |
| 13-Dec-11           | 13-Dec-11             | DBH (21250)            | CERTIFIED, REPLACED DRY GAS STANDARD.   |
| 17-Oct-11           | 05-Jul-11             | DBH (21250)            | REPLACED PRINTER  |
| 12-Oct-11           | 05-Jul-11             | DBH (21250)            | CORRECTED PAPER FEED SELECTOR SWITCH POSITION                                   |
| 02-Sep-11           | 05-Jul-11             | DBH (21250)            | REPLACED DRY GAS STANDARD   |
| 05-Jul-11           | 05-Jul-11             | DBH (21250)            | REPLACED PRINTER, CERTIFIED   |
| 25-May-11           | 25-May-11             | DBH (21250)            | CERTIFIED   |
| 27-Sep-10           | 27-Sep-10             | DBH (21250)            | CALIBRATED AND CERTIFIED.   |
| 22-Oct-09           | 22-Oct-09             | NMJ (22392)            | FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.   |
| 21-Aug-09           | 21-Aug-09             | NMJ (22392)            | REPLACED TANK TOP LID, CERTIFIED.   |
| 08-Jan-09           | 08-Jan-09             | DBH (21250)            | CERTIFIED.  |
| 05-Dec-08           | 05-Dec-08             | NMJ (22392)            | CALIBRATED, CERTIFIED AND ACCEPTED.   |

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# INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number **010516** Worksheet Start Date **2/11/2014**  
 Location **Fairfax CO ADC**  
 Address **10520 Judicial Dr Fairfax VA 22030**  
 DFS Technician **Donald Hall** License No. **21250**

Laboratory  On-Site

Site Specification: No detrimental environmental conditions exist.

Instrument Barometer (mm HG) **759** Reference Barometer (mm HG) **759**  
 Reference Barometer(RB)Serial # **009109** RB Calibration Due **8/1/2014**

### Measurement Assurance Check

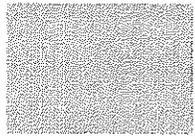
| Standard (sea level) | PA Target | minimum    | maximum    | Sample 1 |
|----------------------|-----------|------------|------------|----------|
| 0.300                | 0.300     | 0.291      | 0.309      | 0.309    |
| Precision            |           | sample min | sample max | Sample 2 |
| 0.001                |           | 0.308      | 0.309      | 0.309    |
|                      |           |            |            | Sample 3 |
|                      |           |            |            | 0.308    |

| Standard (sea level) | PA Target | minimum    | maximum    | Sample 1 |
|----------------------|-----------|------------|------------|----------|
| 0.100                | 0.100     | 0.097      | 0.103      | 0.102    |
| Precision            |           | sample min | sample max | Sample 2 |
| 0                    |           | 0.102      | 0.102      | 0.102    |
|                      |           |            |            | Sample 3 |
|                      |           |            |            | 0.102    |

Dry gas standard Lot No. (with tank no.) **AG332301-29**

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

Supplies  
 Mouthpieces  
 Certificates of Analysis  
 Operator Worksheet  
 Other:



Notes:

[Redacted area]

Instrument Serial Number

010516

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

*David B. Hall*

Date

*2/11/14*

Issuing Analyst

*Michelle Ballester*

Date

*2/18/14*

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**Intox EC/1R-11: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010516      Test Number: 3135

Test Date: 02/11/2014      Test Time: 14:08 EST

Dry Gas Target: 0.300

Lot Number: AG322702-07      Exp Date: 08/15/2015

Tank Pressure: 75 psi      Barometric Pressure: 759 mmHg

System Check: *Passed*

| Test | g/210L | Time  |
|------|--------|-------|
| BLK  | 0.000  | 14:09 |
| CHK  | 0.309  | 14:10 |
| BLK  | 0.000  | 14:11 |
| CHK  | 0.309  | 14:12 |
| BLK  | 0.000  | 14:14 |
| CHK  | 0.308  | 14:15 |

Test Status: *Success*

Calibration CRC: C7CC4C66

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**Intox EC/IR-11: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010516      Test Number: 3136

Test Date: 02/11/2014      Test Time: 14:18 EST

Dry Gas Target: 0.100

Lot Number: AG332301-29      Exp Date: 11/19/2015

Tank Pressure: 1115 psi      Barometric Pressure: 759 mmHg

System Check: *Passed*

| Test | g/210L | Time  |
|------|--------|-------|
| BLK  | 0.000  | 14:19 |
| CHK  | 0.102  | 14:20 |
| BLK  | 0.000  | 14:22 |
| CHK  | 0.102  | 14:22 |
| BLK  | 0.000  | 14:24 |
| CHK  | 0.102  | 14:25 |

Test Status: *Success*

Calibration CRC: C7CC4C66

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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>HALL, DONALD, B</b> |                                      | AGENCY<br><b>DFS Central Lab</b>         |
| DFS LICENSE NUMBER<br><b>21250</b>                              | LICENSE EXPIRES<br><b>10/01/2014</b> | DATE TEST CONDUCTED<br><b>02/11/2014</b> |
| TEST EQUIPMENT NUMBER<br><b>010516</b>                          |                                      |  |

RESULTS: TIME SAMPLE TAKEN 14:34 EST

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



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Test Results

**Instrument Serial Number 010516**

|   |   |   |
|---|---|---|
| <p><b>Test # 003137</b>      Subject Test</p> <p>Test Location 1    Department of<br/>                          Test Date    11 Feb 2014</p> <p>Operator's Last Name    HALL<br/>                                  Agency    DFS Central Lab</p> <p>Card Serial Number    121250</p> <p>Subject's Last Name    INSTRUMENT<br/>                                  Subject's Middle Initial</p> <p>Driver's License Number<br/>                                  Driver's License State</p> <p>End Date    11 Feb 2014      End Time    14:35</p> <p>  Data Type    DIAG      Sample Value    Pass</p> <p>  Data Type    BLK      Sample Value    0.000</p> <p>  Data Type    CHK      Sample Value    0.102</p> <p>  Data Type    BLK      Sample Value    0.000</p> <p>  Data Type    SUBJ     Sample Value    0.000</p> <p>  Data Type    BLK      Sample Value    0.000</p> <p>  Data Type    SUBJ     Sample Value    0.000</p> <p>  Data Type    BLK      Sample Value    0.000</p> <p>                  Standard Type    Dry Gas Std</p> <p>                  Standard Lot Number    AG332301-29</p> <p>                                  Tank Pressure    1115</p> <p>Blow Sample Number    1      Blow Duration    3.66 sec</p> <p>Blow Sample Number    2      Blow Duration    3.66 sec</p> <p>                                  Tamper Evident Stamp    d9eec495</p> <p>                                  Test Status    Success</p> | <p>Test Location 2    Forensic Science</p> <p>                          Test Time    14:28</p> <p>                                  Remote/Local    Local</p> <p>Operator's First Name    DONALD</p> <p>                                  License Number    21250</p> <p>                                  Effective Date    10/01/2012</p> <p>Subject's Date of Birth    00/00/0000</p> <p>                                  Subject's First Name    TEST</p> <p>                                  Subject's Sex    Male</p> <p>                                  Driver's License Expiration    00/00/0000</p> <p>                                  Court Name    DFS</p> <p>Result Time    14:34</p> <p>Sample Value    0.000</p> <p>Sample Value    0.102</p> <p>Sample Value    0.000</p> <p>Standard Value    0.100</p> <p>Standard Expiration Date    11/19/2015</p> <p>Barometric Pressure    759 mmHg</p> <p>Blow Volume    1982 cc      End-of-Blow Time    14:32</p> <p>Blow Volume    1949 cc      End-of-Blow Time    14:34</p> <p>                                  Test Status Code    0</p> | <p>Test Location 3</p> <p>                          System Check    Passed</p> <p>Operator's Middle Initial    B</p> <p>Expiration Date    10/01/2014</p> <p>Subject's Sex    Male</p> <p>Driver's License Expiration    00/00/0000</p> <p>Result Date    11 Feb 2014      Result    0.00</p> <p>Sample Time    14:28</p> <p>Sample Time    14:29</p> <p>Sample Time    14:29</p> <p>Sample Time    14:31</p> <p>Sample Time    14:32</p> <p>Sample Time    14:33</p> <p>Sample Time    14:34</p> <p>Sample Time    14:35</p> |
|---|---|---|