FDLE

Florida Department of
Law Enforcement

Gerald M. Bailey
Commissioner

Alcohol Testing Program
P.O. Box 1489
Tallahassee, Florida 32302
(850) 617-1290
(850) 921-3787 Fax
www.fdle.state.fl.us/atp

MEMORANDUM

TO: Department Inspectors

FROM: Laura D. Barfield, Alcohol Testing Program Manager LDB

DATE: November 27, 2012

SUBJECT: CMI Inc. Intoxilyzer 8000 Instrumentation Evaluation Report – July 2006 Amended November 2012

Attached you will find the CMI, Inc. Intoxilyzer 8000 Instrumentation Evaluation Report dated November 25, 2006, and AMENDED on November 27, 2012. The report was originally generated using data obtained during the evaluation conducted on July 5 through 6, 2006, in accordance with applicable rules and forms in effect at that time. The Purpose, Instrumentation Used and Conclusion sections of the report are being amended November 27, 2012, to document features/updates to the instrument that were also evaluated.

Based on the results of this evaluation:

- The CMI, Inc. Intoxilyzer 8000 remains approved for use as an evidentiary breath test instrument in the State of Florida;
- Originally evaluated January 4, 2006, software version 8100.26 has again been evaluated in accordance with Instrument Evaluation Procedures FDLE/ATP Form 34 Revised March 2004, and meets the requirements of Rule 11D-8.003(2), Florida Administrative Code; and
- The evaluated features/updates to the CMI, Inc. Intoxilyzer 8000 did not affect the accuracy and reliability of alcohol test results obtained. These feature/updates included the following:
  - 1MB and 2MB Memory storage capacity for test and inspection results;
  - Shrink Wrap Cover on both ends of breath hose;
  - Case Mold Changes to the internal printer paper compartment (Case Part Number(s) – Cover (Top) 440980 Rev B; Chassis (Bottom) 440988 Rev A);
  - Room Temperature Vulcanization (RTV) applied to power supply coils;
  - Update of Ring Detect Capacitor from 0.047 to 0.47 Microfarad;
  - Update to Length of Screw Securing Check Valve Housing in Exhaust Block Assembly – 6mm to 5mm
  - Electronic update of FDLE/ATP Form 41 Department Inspection Report – Intoxilyzer 8000 August 2005 in the instrument; and the
  - Electronic update of the Magnetic Card Reader.

If you have any questions, please feel free to contact me.

LDB

Attachments

Florida Department of Law Enforcement
Alcohol Testing Program

CMI, Inc. Intoxilyzer 8000
Instrumentation Evaluation Report

Report Prepared November 25, 2006
AMENDED
November 27, 2012

July 5 to 6, 2006
Orlando, Florida

CMI, Inc. Intoxilyzer 8000
Instrumentation Evaluation Report
Conducted in Accordance with Chapter 11D-8, FAC March 2006 and corresponding FDLE/ATP Form 34 Instrument Evaluation Procedures

Introduction

In order to be considered valid under Florida law, the analysis of a person's breath must have been administered substantially in accordance with methods and procedures approved by the Florida Department of Law Enforcement (FDLE), using instrumentation approved by FDLE. The FDLE Alcohol Testing Program has been granted specific and exclusive statutory authority to ensure the accuracy and reliability of breath alcohol test results and to approve breath test instrumentation and methods of breath analysis. The process for evaluation of breath test instrumentation for evidentiary use in Florida is prescribed by Chapter 11D-8, Florida Administrative Code.

Purpose

The CMI, Inc. Intoxilyzer 8000 was approved for evidentiary use by the Florida Department of Law Enforcement Alcohol Testing Program on November 5, 2002. The purpose of this evaluation is to assess the CMI, Inc. Intoxilyzer 8000, using infrared light absorption as the method of analysis and the following features/updates:

- 1MB and 2MB Memory storage capacity for test and inspection results;
- Shrink Wrap Cover on both ends of breath hose;
- Case Mold Changes to the internal printer paper compartment - Case Part Number(s) – Cover (Top) 440980 Rev B; Chassis (Bottom) 440988 Rev A;
- Room Temperature Vulcanization (RTV) applied to power supply coils;
- Update to Ring Detect Capacitor – 0.047 to 0.47 Microfarad;
- Update to Length of Screw Securing Check Valve Housing in Exhaust Block Assembly – 6mm to 5mm
- Electronically update FDLE/ATP Form 41 Department Inspection Report – Intoxilyzer 8000 August 2005 in the instrument; and
- Electronically update the Magnetic Card Reader

The evaluation process ensures that the methodology utilized by the breath test instrumentation provides accurate and scientifically reliable analytical results. Evaluations are not intended to approve individual parts or components of the breath test instrumentation.

Testing Location and Operating Conditions

Testing Location:	Florida Department of Law Enforcement Orlando Regional Operations Center 500 West Robinson Street Orlando, FL 32801
Operating Conditions:	Indoors, 71 to 73^0 F

FDLE Personnel Present During the Evaluation

Laura D. Barfield, Program Manager (Present for Part of the Evaluation)
Matthew E. Malhiot, Department Inspector
Dwite N. Hackney, Department Inspector

George L. Venturi, Department Inspector
Roger G. Skipper, Department Inspector
Donald P. Suereth, Department Inspector
Margaret M. Geddings, Department Inspector-In-Training (Observer)

Instrumentation Used

The following Intoxilyzer 8000 breath test instruments were provided on loan by the manufacturer, CMI, Inc.

- **CMI, Inc. Intoxilyzer 8000, Serial Number 80-001173** - Exhaust block assembly – hole in check valve; Four (4) rubber feet; No shrink wrap cover on the ends of the breath hose; No room temperature vulcanization (RTV) applied to the power supply coils; No update to the case mold - case part number(s) cover (top) 440980 and chassis (bottom) 440988; No update to ring detect capacitor – 0.047 Microfarad, 2MB memory storage capacity; 5mm screw securing check valve housing in exhaust block assembly.
- **CMI, Inc. Intoxilyzer 8000, Serial Number 80-001175** – Exhaust block assembly – hole in check valve; Four (4) rubber feet; Shrink wrap cover on both ends of the breath hose; Room temperature vulcanization (RTV) applied to the power supply coils; Update to case mold - case part number(s) cover (top) 440980 Rev B and chassis (bottom) 440988 Rev A; Update to ring detect capacitor – 0.47 Microfarad, 2MB memory storage capacity; 5mm screw securing check valve housing in exhaust block assembly.
- **CMI, Inc. Intoxilyzer 8000, Serial Number 80-001181** – Exhaust block assembly – hole in check valve; Four (4) rubber feet; No shrink wrap cover on the ends of the breath hose; No room temperature vulcanization (RTV) applied to the power supply coils; No update to case mold - case part number(s) cover (top) 440980 and chassis (bottom) 440988; No update to ring detect capacitor – 0.047 Microfarad; Update memory storage capacity from 2MB to 1MB; 5mm screw securing check valve housing in exhaust block assembly.

Instrumentation Description

- Make and Model Designation: CMI, Inc. Intoxilyzer 8000, listed on the US Department of Transportation Conforming Products List of Evidential Breath Measurement Devices.
- Method of Analysis: Non-dispersive infrared light absorption.
- Software Version: 8100.26
- Description of Instrumentation: An infrared-based instrument designed for both mobile and stationary evidential breath alcohol testing.
- Specification for Precision: Average Standard deviation of 0.003 g/210L or better.
- Response Prescribed to Denote an Interferent: Display INTERFERENT DETECT and a high/low tone will sound.
- Response Prescribed to Denote Mouth Alcohol: Display SLOPE NOT MET and a high/low tone will sound.

Equipment and Supplies

Reference Sample Devices (Simulators)

All simulators were operated within 34 $\pm$ 0.2C and had air leak resistant seals. The make, model and serial number of each simulator is outlined in Appendix A.

Digital Thermometer

The make, model and serial number of the digital thermometer is outlined in Appendix A.

Digital Pressure Indicators

The make, model and serial number of the digital pressure indicators is outlined in Appendix A. Although this equipment was present during the evaluation, it was not used during any part of the evaluation.

External Printers

The make, model and serial number of each external printer is outlined in Appendix A.

Standards, Solutions, and Deionized Water

All alcohol reference solutions were analyzed by the Florida Department of Law Enforcement in accordance with Rule 11D-8.0035(2)(a), FAC. The dry gas standard was prepared and certified by Scott Specialty Gases, Inc. The results of the alcohol reference solution analyses and the certified concentration of the dry gas standard are outlined in Appendix B. Acetone Stock Solution, Lot Number 2006-D, and Mouth Alcohol Solution, Lot Numbers 2006-A and 2006-B, prepared and analyzed by the Florida Department of Law Enforcement were used for the acetone interference tests and the mouth alcohol tests, respectively. Deionized water obtained from the FDLE Tallahassee Regional Operations Center Laboratory was analyzed by gas chromatography prior to the evaluation.

Magnetic Card Reader Dongle

A device provided by CMI, Inc. which, when plugged into the Intoxilyzer 8000, electronically transmits commands to the Magnetic Card Reader

COBRA and Laptop Computer (Serial Number D1HMK11)

Software program used to upload and download information to and from the Intoxilyzer 8000 using either a phone line or a laptop computer and a database program used to store the uploaded information.

Other Supplies

All other supplies and equipment used were commercially available and compatible with this type of instrumentation (printer tape, mouthpieces, tubing, office supplies, etc.).

Procedures

1. **All Intoxilyzer 8000 instrumentation were subjected to the following FDLE/ATP Form 34 Instrument Evaluation Procedures analyses:**

   0.00 g/210L Test, Acetone Interference Test and Mouth Alcohol Test

   The Intoxilyzer 8000 instrumentation was subjected to twenty-five (25) repetitions of a 0.00 g/210L test, twenty-five (25) repetitions of an acetone interference test, and twenty-five (25) repetitions of a mouth alcohol test. The results are outlined in Appendix C-1, Appendix C-2, and Appendix C-3.

   Alcohol Reference Solution Analyses

   The Intoxilyzer 8000 instrumentation was subjected to twenty-five (25) repetitions of alcohol reference solution analyses at each of the following concentrations: 0.05, 0.08, 0.20 g/210L. The results are outlined in Appendix C-1, Appendix C-2, and Appendix C-3.

   Dry Gas Standard Analyses

   The Intoxilyzer 8000 instrumentation was subjected to twenty-five (25) repetitions of dry gas standard analyses at the following concentration: 0.08 g/210L. The results are outlined in Appendix C-1, Appendix C-2, and Appendix C-3.

2. **All Intoxilyzer 8000 instrumentation had FDLE/ATP Form 41 Department Inspection Report – Intoxilyzer 8000 August 2005 electronically installed using COBRA and a laptop computer.**

   To update Form 41 in the Intoxilyzer 8000:

- Hook up serial cable from laptop computer to direct connect RS-232 port on Intoxilyzer 8000.
- Open COBRA in laptop.
- Select Interactive Communication from Communications menu in COBRA.
- Select Instrument Serial Number and click Select.
- Select Forms Update.
- Form ATP41.prn will automatically load.
- Select disconnect.
- Unplug serial cable from instrument.

3. **All Intoxilyzer 8000 instrumentation had the magnetic card readers electronically updated using a Dongle provided by CMI, Inc. Three breath tests were conducted prior to using the dongle and three breath tests were conducted after using the dongle. The breath test results are outlined in Appendix D-1, D-2 and D-3.**

   To use the Magnetic Card Reader Dongle:

   - The instrument must be in READY MODE.
   - Unplug the instrument keyboard and plug in the dongle.
   - After one second, the LED on the dongle will turn on for three seconds and then turn off.
   - Five commands will be sent to the magnetic card reader. After each command is sent, the LED on the dongle will turn on for one second and then turn off. The magnetic card reader will beep one time.
   - After the fifth command is sent, the LED on the dongle will flash three times to signal the configuration process is complete.
   - Unplug the dongle and plug in the keyboard.

4. **All Intoxilyzer 8000 instrumentation were subjected to the following FDLE/ATP Form 34 Instrument Evaluation Procedures analyses:**

   0.00 g/210L Test, Acetone Interference Test and Mouth Alcohol Test

   The Intoxilyzer 8000 instrumentation was subjected to twenty-five (25) repetitions of a 0.00 g/210L test, twenty-five (25) repetitions of an acetone interference test, and twenty-five (25) repetitions of a mouth alcohol test. The results are outlined in Appendix E-1, Appendix E-2, and Appendix E-3.

   Alcohol Reference Solution Analyses

   The Intoxilyzer 8000 instrumentation was subjected to twenty-five (25) repetitions of alcohol reference solution analyses at each of the following concentrations: 0.05, 0.08, 0.20 g/210L. The results are outlined in Appendix E-1, Appendix E-2, and Appendix E-3.

   Dry Gas Standard Analyses

   The Intoxilyzer 8000 instrumentation was subjected to twenty-five (25) repetitions of dry gas standard analyses at the following concentration: 0.08 g/210L. The results are outlined in Appendix E-1, Appendix E-2, and Appendix E-3.

Analytical Results

All results met the requirements of FDLE/ATP Form 34 Instrument Evaluation Procedures for accuracy, precision, and correct instrument responses as prescribed by the manufacturer.

Conclusion

The results of this evaluation establish that the CMI, Inc. Intoxilyzer 8000 evidentiary breath test instrument, using software version 8100.26 and the features/updates identified above, produces accurate and reliable breath alcohol test results.

Based on the results of this evaluation:

(1) The CMI, Inc. Intoxilyzer 8000 remains approved for use as an evidentiary breath test instrument in the State of Florida;

(2) Originally evaluated January 4, 2006, software version 8100.26 has again been evaluated in accordance with Instrument Evaluation Procedures FDLE/ATP Form 34 Revised March 2004, and meets the requirements of Rule 11D-8.003(2), Florida Administrative Code; and

(3) The evaluated features/updates to the CMI, Inc. Intoxilyzer 8000 did not affect the accuracy and reliability of alcohol test results obtained. These features/updates included the following:

- 1MB and 2MB Memory storage capacity for test and inspection results;
- Shrink Wrap Cover on both ends of breath hose;
- Case Mold Changes to the internal printer paper compartment (Case Part Number(s) – Cover (Top) 440980 Rev B; Chassis (Bottom) 440988 Rev A);
- Room Temperature Vulcanization (RTV) applied to power supply coils;
- Update of Ring Detect Capacitor from 0.047 to 0.47 Microfarad;
- Update to Length of Screw Securing Check Valve Housing in Exhaust Block Assembly – 6mm to 5mm
- Electronic update of FDLE/ATP Form 41 Department Inspection Report – Intoxilyzer 8000 August 2005 in the instrument; and the
- Electronic update of the Magnetic Card Reader.

APPENDIX A

External Equipment

Reference Sample Devices (Simulators)

Make	Model	Serial Number
Guth	10-4D	SD1015
Guth	10-4D	SD1065
Guth	10-4D	SD1016
Guth	210021	DR1280
Guth	210021	DR1279
Guth	34C	G2883
Guth	34C	G2840
Guth	10-4D	SD1011
Guth	10-4D	SD1018
Guth	10-4D	SD1022
Repco Marketing	3402-2K	2235
Repco Marketing	3402-2K	2236
Repco Marketing	3402-2K	2237
Repco Marketing	3402-2K	2238
Repco Marketing	3402-2K	2239

Digital Thermometers

Make	Model	Serial Number
Ertco-Eutechnics	4400	300505
Ertco-Eutechnics	4400	139000-45
Ertco-Eutechnics	4400	300948

Digital Pressure Indicators

Make	Model	Serial Number
Druck	DPI705	70530793
Druck	DPI705	70526932

External Printers

Make	Model	Serial Number
Samsung	ML1750	BAAX303958M
Samsung	ML1750	BAAX303716R

APPENDIX B

Alcohol Reference Solution

	0.05 g/210L (g/100mL)	0.08 g/210L (g/100mL)	0.20 g/210L (g/100mL)
Source	Alcohol Countermeasure Systems, Inc.	Alcohol Countermeasure Systems, Inc.	Alcohol Countermeasure Systems, Inc.
Lot Number	200509A	200509B	200509C
Manufacture Date	9/22/2005	9/22/2005	9/22/2005
Expiration Date	9/22/2007	9/22/2007	9/22/2007
Approval Date	11/17/2005	11/17/2005	11/17/2005
Target Concentration (g/100mL)	0.0605	0.0968	0.2420
Acceptable Range (g/100mL)	0.0586 to 0.0623	0.0938 to 0.0997	0.2347 to 0.2492
1	0.0604	0.0973	0.2457
2	0.0598	0.0976	0.2459
3	0.0604	0.0978	0.2473
4	0.0603	0.0987	0.2444
5	0.0600	0.0982	0.2456
6	0.0601	0.0972	0.2446
7	0.0603	0.0972	0.2456
8	0.0604	0.0980	0.2459
9	0.0599	0.0981	0.2462
10	0.0595	0.0976	0.2456
11	0.0600	0.0971	0.2464
12	0.0601	0.0973	0.2458
13	0.0594	0.0972	0.2451
14	0.0595	0.0968	0.2448
15	0.0596	0.0977	0.2455
16	0.0609	0.0972	0.2453
17	0.0593	0.0979	0.2467
18	0.0600	0.0970	0.2461
19	0.0596	0.0972	0.2460
20	0.0598	0.0973	0.2474
Mean	0.0600	0.0975	0.2458
Std Dev	0.0004	0.0005	0.0008
Minimum	0.0593	0.0968	0.2444
Maximum	0.0609	0.0987	0.2474

Dry Gas Standard

Manufacturer	Lot Number	Expiration Date	Certified Concentration
Scott Specialty Gases, Inc.	518702I	July 8, 2007	0.080 g/210L
Scott Specialty Gases, Inc.	615802I	June 9, 2008	0.080 g/210L

APPENDIX C-1

FDLE/ATP Form 34 Analytical Results
Pre-Update to Form 41 and Magnetic Card Reader
Intoxilyzer 8000 S.N. 80-001173

	0.00 g/210L Test (g/210L)	0.05 g/210L Test (g/210L)	0.08 g/210L Test (g/210L)	0.20 g/210L Test (g/210L)	0.08 g/210L (g/210L) Dry Gas Std Test	Acetone Interference Test * = Interferent Detect	Mouth Alcohol Test * = Slope Not Met
1	0.000	0.051	0.079	0.200	0.077	INT*	SNM*
2	0.000	0.051	0.080	0.200	0.078	INT*	SNM*
3	0.000	0.051	0.081	0.199	0.078	INT*	SNM*
4	0.000	0.051	0.081	0.199	0.078	INT*	SNM*
5	0.000	0.051	0.081	0.199	0.079	INT*	SNM*
6	0.000	0.051	0.081	0.199	0.079	INT*	SNM*
7	0.000	0.052	0.080	0.199	0.079	INT*	SNM*
8	0.000	0.051	0.081	0.199	0.079	INT*	SNM*
9	0.000	0.051	0.081	0.198	0.079	INT*	SNM*
10	0.000	0.050	0.081	0.199	0.079	INT*	SNM*
11	0.000	0.051	0.081	0.199	0.079	INT*	SNM*
12	0.000	0.050	0.081	0.199	0.079	INT*	SNM*
13	0.000	0.051	0.080	0.199	0.079	INT*	SNM*
14	0.000	0.051	0.080	0.199	0.079	INT*	SNM*
15	0.000	0.051	0.080	0.199	0.079	INT*	SNM*
16	0.000	0.051	0.080	0.199	0.079	INT*	SNM*
17	0.000	0.050	0.080	0.200	0.079	INT*	SNM*
18	0.000	0.050	0.080	0.199	0.079	INT*	SNM*
19	0.000	0.051	0.080	0.198	0.079	INT*	SNM*
20	0.000	0.050	0.080	0.199	0.079	INT*	SNM*
21	0.000	0.051	0.081	0.201	0.079	INT*	SNM*
22	0.000	0.051	0.080	0.199	0.079	INT*	SNM*
23	0.000	0.051	0.080	0.200	0.079	INT*	SNM*
24	0.000	0.051	0.080	0.200	0.079	INT*	SNM*
25	0.000	0.051	0.080	0.199	0.079	INT*	SNM*
Mean		0.051	0.080	0.199	0.079		
Std Dev		0.0005	0.0006	0.0006	0.0005		
Minimum		0.050	0.079	0.198	0.077		
Maximum		0.052	0.081	0.201	0.079		

Average Standard Deviation: 0.0005

APPENDIX C-2

FDLE/ATP Form 34 Analytical Results
Pre-Update to Form 41 and Magnetic Card Reader
Intoxilyzer 8000 S.N. 80-001175

	0.00 g/210L Test (g/210L)	0.05 g/210L Test (g/210L)	0.08 g/210L Test (g/210L)	0.20 g/210L Test (g/210L)	0.08 g/210L (g/210L) Dry Gas Std Test	Acetone Interference Test * = Interferent Detect	Mouth Alcohol Test * = Slope Not Met
1	0.000	0.049	0.081	0.199	0.079	INT*	SNM*
2	0.000	0.050	0.080	0.200	0.078	INT*	SNM*
3	0.000	0.051	0.081	0.200	0.079	INT*	SNM*
4	0.000	0.050	0.080	0.201	0.079	INT*	SNM*
5	0.000	0.051	0.080	0.201	0.079	INT*	SNM*
6	0.000	0.050	0.080	0.200	0.079	INT*	SNM*
7	0.000	0.050	0.081	0.200	0.079	INT*	SNM*
8	0.000	0.050	0.081	0.201	0.078	INT*	SNM*
9	0.000	0.050	0.081	0.201	0.079	INT*	SNM*
10	0.000	0.051	0.080	0.200	0.079	INT*	SNM*
11	0.000	0.050	0.080	0.201	0.079	INT*	SNM*
12	0.000	0.050	0.081	0.200	0.079	INT*	SNM*
13	0.000	0.050	0.080	0.201	0.079	INT*	SNM*
14	0.000	0.050	0.081	0.200	0.079	INT*	SNM*
15	0.000	0.051	0.080	0.201	0.079	INT*	SNM*
16	0.000	0.050	0.081	0.200	0.079	INT*	SNM*
17	0.000	0.051	0.081	0.200	0.079	INT*	SNM*
18	0.000	0.050	0.081	0.201	0.079	INT*	SNM*
19	0.000	0.050	0.081	0.201	0.079	INT*	SNM*
20	0.000	0.050	0.081	0.200	0.079	INT*	SNM*
21	0.000	0.051	0.081	0.201	0.079	INT*	SNM*
22	0.000	0.050	0.081	0.201	0.079	INT*	SNM*
23	0.000	0.051	0.081	0.201	0.079	INT*	SNM*
24	0.000	0.050	0.081	0.201	0.079	INT*	SNM*
25	0.000	0.050	0.081	0.200	0.079	INT*	SNM*
Mean		0.050	0.081	0.200	0.079		
Std Dev		0.0005	0.0005	0.0006	0.0003		
Minimum		0.049	0.080	0.199	0.078		
Maximum		0.051	0.081	0.201	0.079		

Average Standard Deviation: 0.0005

APPENDIX C-3

FDLE/ATP Form 34 Analytical Results
Pre-Update to Form 41 and Magnetic Card Reader
Intoxilyzer 8000 S.N. 80-001181

	0.00 g/210L Test (g/210L)	0.05 g/210L Test (g/210L)	0.08 g/210L Test (g/210L)	0.20 g/210L Test (g/210L)	0.08 g/210L (g/210L) Dry Gas Std Test	Acetone Interference Test * = Interferent Detect	Mouth Alcohol Test * = Slope Not Met
1	0.000	0.049	0.080	0.200	0.077	INT*	SNM*
2	0.000	0.049	0.080	0.201	0.078	INT*	SNM*
3	0.000	0.049	0.080	0.199	0.077	INT*	SNM*
4	0.000	0.049	0.078	0.199	0.078	INT*	SNM*
5	0.000	0.049	0.079	0.198	0.078	INT*	SNM*
6	0.000	0.049	0.079	0.197	0.078	INT*	SNM*
7	0.000	0.049	0.078	0.196	0.078	INT*	SNM*
8	0.000	0.049	0.079	0.197	0.078	INT*	SNM*
9	0.000	0.049	0.079	0.197	0.078	INT*	SNM*
10	0.000	0.049	0.079	0.197	0.079	INT*	SNM*
11	0.000	0.049	0.078	0.197	0.078	INT*	SNM*
12	0.000	0.049	0.079	0.196	0.078	INT*	SNM*
13	0.000	0.048	0.079	0.196	0.079	INT*	SNM*
14	0.000	0.049	0.078	0.196	0.079	INT*	SNM*
15	0.000	0.048	0.079	0.195	0.079	INT*	SNM*
16	0.000	0.049	0.079	0.197	0.079	INT*	SNM*
17	0.000	0.049	0.079	0.195	0.079	INT*	SNM*
18	0.000	0.049	0.078	0.196	0.079	INT*	SNM*
19	0.000	0.048	0.078	0.196	0.079	INT*	SNM*
20	0.000	0.048	0.079	0.196	0.079	INT*	SNM*
21	0.000	0.050	0.079	0.197	0.078	INT*	SNM*
22	0.000	0.048	0.079	0.198	0.078	INT*	SNM*
23	0.000	0.048	0.079	0.197	0.078	INT*	SNM*
24	0.000	0.049	0.079	0.197	0.079	INT*	SNM*
25	0.000	0.049	0.078	0.196	0.078	INT*	SNM*
Mean		0.049	0.079	0.197	0.078		
Std Dev		0.0005	0.0006	0.0015	0.0006		
Minimum		0.048	0.078	0.195	0.077		
Maximum		0.050	0.080	0.201	0.079		

Average Standard Deviation: 0.0008

APPENDIX D-1
Analytical Results
Intoxilyzer 8000 S.N. 80-001173

Pre Magnetic Card Reader Update with Dongle

Breath Test #1	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.074*
Air Blank	0.000
* Control Outside Tolerance	
Magnetic Card Reader did not read the driver's license.	

Breath Test #2	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.076
Air Blank	0.000
Subject Sample #1	0.000
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.000
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
Magnetic Card Reader did not read the driver's license.	

Breath Test #3	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	0.000
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.000
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
Magnetic Card Reader did not read the driver's license.	

Post Magnetic Card Reader Update with Dongle

Breath Test #1	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	0.000
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.000
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
Magnetic Card Reader successfully read the driver's license.	

Breath Test #2	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	0.000
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.000
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
Magnetic Card Reader successfully read the driver's license.	

Breath Test #3	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.000
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.000
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
Magnetic Card Reader successfully read the driver's license.	

APPENDIX D-2
Analytical Results
Intoxilyzer 8000 S.N. 80-001175

Pre Magnetic Card Reader Update with Dongle

Breath Test #1	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.000
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.000
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
Magnetic Card Reader did not read the driver's license.	

Breath Test #2	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.000
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.000
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
Magnetic Card Reader did not read the driver's license.	

Breath Test #3	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.000
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.000
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
Magnetic Card Reader did not read the driver's license.	

Post Magnetic Card Reader Update with Dongle

Breath Test #1	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.000
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.000
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
Magnetic Card Reader successfully read the driver's license.	

Breath Test #2	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.000
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.000
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
Magnetic Card Reader successfully read the driver's license.	

Breath Test #3	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.000
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.000
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
Magnetic Card Reader successfully read the driver's license.	

APPENDIX D-3
Analytical Results
Intoxilyzer 8000 S.N. 80-001181

Pre Magnetic Card Reader Update with Dongle

Breath Test #1	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.000
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.000
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
Magnetic Card Reader did not properly read the driver's license.	

Breath Test #2	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.000
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.000
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
Magnetic Card Reader successfully read the driver's license.	

Breath Test #3	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.000
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.000
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
Magnetic Card Reader successfully read the driver's license.	

Post Magnetic Card Reader Update with Dongle

Breath Test #1	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.000
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.000
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
Magnetic Card Reader successfully read the driver's license.	

Breath Test #2	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.000
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.000
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
Magnetic Card Reader successfully read the driver's license.	

Breath Test #3	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.000
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.000
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
Magnetic Card Reader successfully read the driver's license.	

APPENDIX E-1

FDLE/ATP Form 34 Analytical Results
Post-Update to Form 41 and Magnetic Card Reader
Intoxilyzer 8000 S.N. 80-001173

	0.00 g/210L Test (g/210L)	0.05 g/210L Test (g/210L)	0.08 g/210L Test (g/210L)	0.20[1] g/210L Test (g/210L)	0.08 g/210L (g/210L) Dry Gas Std Test	Acetone Interference Test * = Interferent Detect	Mouth Alcohol Test * = Slope Not Met
1	0.000	0.050	0.079	0.199	0.078	INT*	SNM*
2	0.000	0.050	0.080	0.200	0.079	INT*	SNM*
3	0.000	0.050	0.080	0.200	0.079	INT*	SNM*
4	0.000	0.050	0.081	0.200	0.079	INT*	SNM*
5	0.000	0.050	0.080	0.200	0.079	INT*	SNM*
6	0.000	0.050	0.081	0.200	0.079	INT*	SNM*
7	0.000	0.050	0.081	0.200	0.079	INT*	SNM*
8	0.000	0.050	0.081	0.201	0.079	INT*	SNM*
9	0.000	0.050	0.081	0.200	0.079	INT*	SNM*
10	0.000	0.050	0.080	0.200	0.079	INT*	SNM*
11	0.000	0.050	0.080	0.200	0.079	INT*	SNM*
12	0.000	0.050	0.081	0.201	0.079	INT*	SNM*
13	0.000	0.051	0.081	0.200	0.079	INT*	SNM*
14	0.000	0.050	0.080	0.201	0.080	INT*	SNM*
15	0.000	0.050	0.080	0.200	0.079	INT*	SNM*
16	0.000	0.051	0.081	0.200	0.079	INT*	SNM*
17	0.000	0.050	0.081	0.202	0.079	INT*	SNM*
18	0.000	0.050	0.080	0.201	0.079	INT*	SNM*
19	0.000	0.050	0.081	0.201	0.079	INT*	SNM*
20	0.000	0.051	0.081	0.201	0.079	INT*	SNM*
21	0.000	0.051	0.081	0.201[1]	0.079	INT*	SNM*
22	0.000	0.050	0.081	0.202[1]	0.079	INT*	SNM*
23	0.000	0.051	0.081	0.200[1]	0.080	INT*	SNM*
24	0.000	0.051	0.081	0.201[1]	0.079	INT*	SNM*
25	0.000	0.050	0.081	0.201[1]	0.079	INT*	SNM*
26				0.199			
27				0.199			
28				0.199			
29				0.199			
30				0.199			
Mean		0.050	0.081	0.200	0.079		
Std Dev		0.0004	0.0006	0.0009	0.0004		
Minimum		0.050	0.079	0.199	0.078		
Maximum		0.051	0.081	0.202	0.080		

Average Standard Deviation: 0.0006

[1] A previously printed on piece of paper was unknowingly placed into the paper drawer of the external printer. Overprinting occurred. Although analytically acceptable, the five (5) analyses were repeated.

APPENDIX E-2

FDLE/ATP Form 34 Analytical Results
Post-Update to Form 41 and Magnetic Card Reader
Intoxilyzer 8000 S.N. 80-001175

	0.00 g/210L Test (g/210L)	0.05 g/210L Test (g/210L)	0.08 g/210L Test (g/210L)	0.20 g/210L Test (g/210L)	0.08 g/210L (g/210L) Dry Gas Std Test	Acetone Interference Test * = Interferent Detect	Mouth Alcohol Test * = Slope Not Met
1	0.000	0.050	0.080	0.199	0.078	INT*	SNM*
2	0.000	0.050	0.080	0.199	0.079	INT*	SNM*
3	0.000	0.050	0.080	0.198	0.078	INT*	SNM*
4	0.000	0.049	0.080	0.199	0.078	INT*	SNM*
5	0.000	0.050	0.080	0.199	0.078	INT*	SNM*
6	0.000	0.050	0.080	0.198	0.078	INT*	SNM*
7	0.000	0.050	0.080	0.199	0.078	INT*	SNM*
8	0.000	0.050	0.080	0.199	0.079	INT*	SNM*
9	0.000	0.048	0.080	0.199	0.079	INT*	SNM*
10	0.000	0.050	0.079	0.200	0.079	INT*	SNM*
11	0.000	0.050	0.079	0.200	0.079	INT*	SNM*
12	0.000	0.049	0.080	0.199	0.079	INT*	SNM*
13	0.000	0.050	0.079	0.200	0.079	INT*	SNM*
14	0.000	0.050	0.080	0.200	0.079	INT*	SNM*
15	0.000	0.050	0.079	0.200	0.080	INT*	SNM*
16	0.000	0.050	0.080	0.200	0.079	INT*	SNM*
17	0.000	0.050	0.080	0.200	0.079	INT*	SNM*
18	0.000	0.049	0.080	0.199	0.078	INT*	SNM*
19	0.000	0.050	0.080	0.200	0.079	INT*	SNM*
20	0.000	0.050	0.080	0.199	0.079	INT*	SNM*
21	0.000	0.050	0.080	0.199	0.079	INT*	SNM*
22	0.000	0.050	0.080	0.201	0.079	INT*	SNM*
23	0.000	0.050	0.080	0.200	0.079	INT*	SNM*
24	0.000	0.050	0.080	0.200	0.079	INT*	SNM*
25	0.000	0.050	0.081	0.200	0.080	INT*	SNM*
Mean		0.050	0.080	0.199	0.079		
Std Dev		0.0005	0.0004	0.0007	0.0006		
Minimum		0.048	0.079	0.198	0.078		
Maximum		0.050	0.081	0.201	0.080		

Average Standard Deviation: 0.0006

APPENDIX E-3

FDLE/ATP Form 34 Analytical Results
Post-Update to Form 41 and Magnetic Card Reader
Intoxilyzer 8000 S.N. 80-001181

	0.00 g/210L Test (g/210L)	0.05 g/210L Test (g/210L)	0.08 g/210L Test (g/210L)	0.20 g/210L Test (g/210L)	0.08 g/210L (g/210L) Dry Gas Std Test	Acetone Interference Test * = Interferent Detect	Mouth Alcohol Test * = Slope Not Met
1	0.000	0.049	0.079	0.201	0.077	INT*	SNM*
2	0.000	0.049	0.078	0.201	0.078	INT*	SNM*
3	0.000	0.049	0.079	0.201	0.078	INT*	SNM*
4	0.000	0.049	0.079	0.199	0.079	INT*	SNM*
5	0.000	0.049	0.079	0.198	0.078	INT*	SNM*
6	0.000	0.049	0.079	0.198	0.079	INT*	SNM*
7	0.000	0.049	0.079	0.198	0.079	INT*	SNM*
8	0.000	0.049	0.079	0.197	0.079	INT*	SNM*
9	0.000	0.048	0.079	0.197	0.079	INT*	SNM*
10	0.000	0.048	0.078	0.198	0.078	INT*	SNM*
11	0.000	0.049	0.078	0.197	0.079	INT*	SNM*
12	0.000	0.048	0.079	0.197	0.079	INT*	SNM*
13	0.000	0.048	0.078	0.196	0.079	INT*	SNM*
14	0.000	0.048	0.079	0.197	0.079	INT*	SNM*
15	0.000	0.048	0.078	0.196	0.079	INT*	SNM*
16	0.000	0.049	0.079	0.197	0.079	INT*	SNM*
17	0.000	0.048	0.078	0.197	0.079	INT*	SNM*
18	0.000	0.048	0.079	0.197	0.079	INT*	SNM*
19	0.000	0.049	0.079	0.198	0.080	INT*	SNM*
20	0.000	0.049	0.079	0.197	0.079	INT*	SNM*
21	0.000	0.049	0.079	0.199	0.079	INT*	SNM*
22	0.000	0.048	0.079	0.197	0.079	INT*	SNM*
23	0.000	0.049	0.079	0.198	0.079	INT*	SNM*
24	0.000	0.048	0.080	0.198	0.079	INT*	SNM*
25	0.000	0.048	0.079	0.197	0.079	INT*	SNM*
Mean		0.049	0.079	0.198	0.079		
Std Dev		0.0005	0.0005	0.0014	0.0006		
Minimum		0.048	0.078	0.196	0.077		
Maximum		0.049	0.080	0.201	0.080		

Average Standard Deviation: 0.0007