FDLE

Florida Department of
Law Enforcement

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MEMORANDUM

TO: Alcohol Testing Program Department Inspectors

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

DATE: November 26, 2006

SUBJECT: CMI, Inc. Intoxilyzer 8000 Instrumentation Research Study – December 2005 – Update

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Attached you will find an update to the CMI, Inc. Intoxilyzer 8000 Instrumentation Research Study Report – December 2005. Corrections were made to the Procedures section of this report. These corrections do not affect the conclusion of the study.

The results of this research study establish that the CMI, Inc. Intoxilyzer 8000 breath test instrumentation produces accurate and reliable breath alcohol test results, including correct and appropriate responses to alternative breath test sequence factors and situations, using 110 volt AC, motor vehicle 12 volt DC, and vessel 12 volt DC power sources.

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 Research Study Report

December 13-14, 2005
Jacksonville, Florida

Purpose
The purpose of this research study is to assess the CMI, Inc. Intoxilyzer Model 8000 breath test instrumentation's capability to provide appropriate messages and responses to alternative breath test sequence factors and situations using alternative power sources.

Testing Locations and Operating Conditions

110 Volt AC Power Source Analyses
Florida Department of Law Enforcement
Jacksonville Regional Operations Center
921 North Davis Street, Building E
Jacksonville, Florida 32209
70 to 75^0 F

12 Volt DC Motor Vehicle Power Source Analyses
Florida Department of Law Enforcement
Jacksonville Regional Operations Center – Parking Lot
921 North Davis Street, Building E
Jacksonville, Florida 32209
52 to 70^{0}F

12 Volt DC Vessel Power Source Analyses
Florida Fish and Wildlife Conservation Commission Boat Dock
Jacksonville, Florida
63 to 68^{0}F

FDLE Personnel Present
Laura D. Barfield, Program Manager
Rafael E. Madrigal, Assistant General Counsel
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
Stephen N. Neff, Department Inspector

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
- CMI, Inc. Intoxilyzer 8000, Serial Number 80-001175
- CMI, Inc. Intoxilyzer 8000, Serial Number 80-001181

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: 8100.25
- Description of Instrumentation: An infrared-based instrument designed for both mobile and stationary evidential breath alcohol testing.

Equipment and Supplies
Motor Vehicles
Three (3) Ford Crown Victoria Police Interceptors.
Vessels
- Twenty-two (22) ft. Sea Craft
- Twenty-one (21) ft. Boston Whaler

Reference Sample Devices (Simulators)
All simulators were operated within 34 ± 0.2C and had air leak resistant seals. The make, model and serial number of each simulator used is outlined in Appendix A.
Digital Thermometers
The make, model and serial number of each digital thermometer used is outlined in Appendix A.
Digital Pressure Indicators
The make, model and serial number of each digital pressure indicator used is outlined in Appendix A.
External Printers
The make, model and serial number of each external printer used is outlined in Appendix A.
Standards, Solutions, and Distilled/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 2005-C or 2005-D, and Mouth Alcohol Solution, Lot Number 2005-A or 2005-B, prepared and analyzed by the Florida Department of Law Enforcement were used. Deionized water obtained from the FDLE Tallahassee Regional Operations Center Laboratory was analyzed by gas chromatography prior to the research study.
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 For 110 Volt AC Power Source
The following breath test sequences were conducted using a 110 volt AC power source (wall outlet), in accordance with FDLE/ ATP Form 37 Operational Procedures – Intoxilyzer 8000 March 2004, to assess instrument messages and responses. All results for Intoxilyzer 8000 Serial Numbers 80-001173 and 80-001175 were recorded using external printers. All results for the Intoxilyzer 8000 Serial Number 80-001181 were recorded using the internal printer, and were later recalled and recorded using an external printer. All breath test sequences were conducted with the display results and display volume turned off. All breath samples, when provided, were submitted through the breath tube.

1. Standard Breath Test Sequence.
   Use a 0.20 g/210L simulator to provide the first breath sample.
   Use a 0.20 g/210L simulator to provide a second breath sample, if prompted.
2. Breath Test Sequence Evaluating RFI Detection During First Breath Sample.
   Use a 0.20 g/210L simulator to provide the first breath sample and key a hand-held radio transmitter while providing this breath sample.
3. Breath Test Sequence Evaluating RFI Detection During Second Breath Sample.
   Use a 0.20 g/210L simulator to provide the first breath sample.
   Use a 0.20 g/210L simulator to provide a second breath sample, if prompted, and key a hand-held radio transmitter while providing this breath sample.
4. Breath Test Sequence Evaluating .020 Agreement.
   Use a 0.05 g/210L simulator to provide the first breath sample.
   Use a 0.08 g/210L simulator to provide a second breath sample, if prompted.
   Use a 0.20 g/210L simulator to provide a third breath sample, if prompted.
5. Breath Test Sequence Evaluating Insufficient Breath Volume During Second Breath Sample.
   Use a 0.20 g/210L simulator to provide the first breath sample.
   Use a 0.20 g/210L simulator to provide a second breath sample for approximately two (2) seconds, if prompted.
   Use a 0.20 g/210L simulator to provide a third breath sample, if prompted.

6. Breath Test Sequence Evaluating Insufficient Breath Volume During First Breath Sample.
Use a 0.20 g/210L simulator to provide the first breath sample for approximately two (2) seconds.
Use a 0.20 g/210L simulator to provide a second breath sample, if prompted.
Use a 0.20 g/210L simulator to provide a third breath sample, if prompted.
7. Breath Test Sequence Evaluating Insufficient Breath Volume During First And Second Breath Samples.
Use a 0.20 g/210L simulator to provide the first breath sample for approximately two (2) seconds.
Use a 0.20 g/210L simulator to provide a second breath sample for approximately two (2) seconds, if prompted.
8. Breath Test Sequence Evaluating Decreasing Slope Detection During Second Breath Sample.
Use a 0.20 g/210L simulator to provide the first breath sample.
Rinse mouth with mouth alcohol solution and provide a second breath sample, if prompted.
9. Breath Test Sequence Evaluating Decreasing Slope Detection During First Breath Sample.
Rinse mouth with mouth alcohol solution and provide the first breath sample.
10. Breath Test Sequence Evaluating No Second Breath Sample.
Use a 0.20 g/210L simulator to provide the first breath sample.
Do not provide a second breath sample, if prompted.
Use a 0.20 g/210L simulator to provide a breath sample during a third breath sample prompt.
11. Breath Test Sequence Evaluating No First Breath Sample.
Do not provide a breath sample during the first breath sample prompt.
Use a 0.20 g/210L simulator to provide a breath sample during a second breath sample prompt.
Use a 0.20 g/210L simulator to provide another breath sample during a third breath sample prompt.
12. Breath Test Sequence Evaluating No Breath Samples.
Do not provide a breath sample during the first breath sample prompt.
Do not provide a breath sample during a second breath sample prompt.
13. Breath Test Sequence Evaluating First Breath Sample At An Improper Time.
Use a 0.20 g/210L simulator to provide the first breath sample before being prompted.
14. Breath Test Sequence Evaluating Second Breath Sample At An Improper Time.
Use a 0.20 g/210L simulator to provide the first breath sample.
Use a 0.20 g/210L simulator to provide a second breath sample before being prompted.
15. Breath Test Sequence Evaluating Detection Of Acetone Interferent During First Breath Sample.
Add 3 mL acetone stock solution to a 0.08 g/210L simulator and use this simulator to provide the first breath sample.
16. Breath Test Sequence Evaluating Detection Of Acetone Interferent During Second Breath Sample.
Use a 0.20 g/210L simulator to provide the first breath sample.
Add 3 mL acetone stock solution to a 0.08 g/210L simulator and use this simulator to provide a second breath sample, if prompted.
17. Breath Test Sequence Evaluating First Control Sample Outside Tolerance.
Connect a 0.10 g/210L dry gas standard to the instrument.
Use a 0.20 g/210L simulator to provide breath samples, if prompted.
18. Breath Test Sequence Evaluating Second Control Sample Outside Tolerance.
Connect a 0.08 g/210L dry gas standard to the instrument.
Disconnect the dry gas standard after the first control sample result.
Use a 0.20 g/210L simulator to provide the first breath sample.
Use a 0.20 g/210L simulator to provide a second breath sample, if prompted.

Procedures For 12 Volt DC Motor Vehicle Power Source

The following Department Inspections and breath test sequences were conducted using a 12 volt DC motor vehicle power source to assess the instrumentation's messages and responses. All motor vehicles had their engines,

emergency lights, speed detection equipment and radios in operation. Intoxilyzer 8000 Serial Number 80-001173 was operated on the hood of a motor vehicle. Intoxilyzer 80-001175 was operated on a table located in front of a motor vehicle. Intoxilyzer 8000 Serial Number 80-001181 was operated on the trunk of a motor vehicle. The Department Inspections were conducted in accordance with FDLE/ATP Form 36 Department Inspection Procedures – Intoxilyzer 8000 March 2004. The breath test sequences were conducted in accordance with FDLE/ATP Form 37 Operational Procedures – Intoxilyzer 8000 March 2004. All results were recorded using an external printer. All breath test sequences were conducted with the display results and display volume turned off. All breath samples, when provided, were submitted through the breath tube.

1. Department Inspection
   Conduct a Department Inspection.
2. Standard Breath Test Sequence.
   Use a 0.20 g/210L simulator to provide the first breath sample.
   Use a 0.20 g/210L simulator to provide a second breath sample, if prompted.
3. Breath Test Sequence Evaluating RFI Detection During First Breath Sample.
   Use a 0.20 g/210L simulator to provide the first breath sample and key a hand-held radio transmitter while providing this breath sample.
4. Breath Test Sequence Evaluating RFI Detection During Second Breath Sample.
   Use a 0.20 g/210L simulator to provide the first breath sample.
   Use a 0.20 g/210L simulator to provide a second breath sample, if prompted, and key a hand-held radio transmitter while providing this breath sample.
5. Breath Test Sequence Evaluating .020 Agreement.
   Use a 0.05 g/210L simulator to provide the first breath sample.
   Use a 0.08 g/210L simulator to provide a second breath sample, if prompted.
   Use a 0.20 g/210L simulator to provide a third breath sample, if prompted.
6. Breath Test Sequence Evaluating Insufficient Breath Volume During Second Breath Sample.
   Use a 0.20 g/210L simulator to provide the first breath sample.
   Use a 0.20 g/210L simulator to provide a second breath sample for approximately two (2) seconds, if prompted.
   Use a 0.20 g/210L simulator to provide a third breath sample, if prompted.
7. Breath Test Sequence Evaluating Insufficient Breath Volume During First Breath Sample.
   Use a 0.20 g/210L simulator to provide the first breath sample for approximately two (2) seconds.
   Use a 0.20 g/210L simulator to provide a second breath sample, if prompted.
   Use a 0.20 g/210L simulator to provide a third breath sample, if prompted.
8. Breath Test Sequence Evaluating Insufficient Breath Volume During First And Second Breath Samples.
   Use a 0.20 g/210L simulator to provide the first breath sample for approximately two (2) seconds.
   Use a 0.20 g/210L simulator to provide a second breath sample for approximately two (2) seconds, if prompted.
9. Breath Test Sequence Evaluating Decreasing Slope Detection During Second Breath Sample.
   Use a 0.20 g/210L simulator to provide the first breath sample.
   Rinse mouth with mouth alcohol solution and provide a second breath sample, if prompted.
10. Breath Test Sequence Evaluating Decreasing Slope Detection During First Breath Sample.
    Rinse mouth with mouth alcohol solution and provide the first breath sample.
11. Breath Test Sequence Evaluating No Second Breath Sample.
    Use a 0.20 g/210L simulator to provide the first breath sample.
    Do not provide a second breath sample, if prompted.
    Use a 0.20 g/210L simulator to provide a breath sample during a third breath sample prompt.
12. Breath Test Sequence Evaluating No First Breath Sample.
    Do not provide a breath sample during the first breath sample prompt.

Use a 0.20 g/210L simulator to provide a breath sample during a second breath sample prompt.
Use a 0.20 g/210L simulator to provide another breath sample during a third breath sample prompt.

13. Breath Test Sequence Evaluating No Breath Samples.
Do not provide a breath sample during the first breath sample prompt.
Do not provide a breath sample during a second breath sample prompt.
14. Breath Test Sequence Evaluating First Breath Sample At An Improper Time.
Use a 0.20 g/210L simulator to provide the first breath sample before being prompted.
15. Breath Test Sequence Evaluating Second Breath Sample At An Improper Time.
Use a 0.20 g/210L simulator to provide the first breath sample.
Use a 0.20 g/210L simulator to provide a second breath sample before being prompted.
16. Breath Test Sequence Evaluating Detection Of Acetone Interferent During First Breath Sample.
Add 3 mL acetone stock solution to a 0.08 g/210L simulator and use this simulator to provide the first breath sample.
17. Breath Test Sequence Evaluating Detection Of Acetone Interferent During Second Breath Sample.
Use a 0.20 g/210L simulator to provide the first breath sample.
Add 3 mL acetone stock solution to a 0.08 g/210L simulator and use this simulator to provide a second breath sample, if prompted.
18. Breath Test Sequence Evaluating First Control Sample Outside Tolerance.
Connect a 0.10 g/210L dry gas standard to the instrument.
Use a 0.20 g/210L simulator to provide breath samples, if prompted.
19. Breath Test Sequence Evaluating Second Control Sample Outside Tolerance.
Connect a 0.08 g/210L dry gas standard to the instrument.
Disconnect the dry gas standard after the first control sample result.
Use a 0.20 g/210L simulator to provide the first breath sample.
Use a 0.20 g/210L simulator to provide a second breath sample, if prompted.

Procedures For 12 Volt DC Vessel Power Source

The following Department Inspection and breath test sequences were conducted using a 12 volt DC vessel power source to assess the instrumentation's messages and responses. The engines of both vessels were in operation. The Department Inspection was conducted in accordance with FDLE/ATP Form 36 Department Inspection Procedures – Intoxilyzer 8000 March 2004, on Intoxilyzer 8000 Serial Number 80-001181 located on a table next to the Sea Craft vessel. The results were recorded using an external printer. The breath test sequences were conducted in accordance with FDLE/ATP Form 37 Operational Procedures – Intoxilyzer 8000 March 2004, on Intoxilyzer 8000 Serial Number 80-001173 aboard the Boston Whaler. The results were recorded using the internal printer and were later recalled and recorded using an external printer. All breath test sequences were conducted with the display results and display volume turned off. All breath samples, when provided, were submitted through the breath tube.

1. Department Inspection
Conduct a Department Inspection.
2. Standard Breath Test Sequence.
Use a 0.20 g/210L simulator to provide the first breath sample.
Use a 0.20 g/210L simulator to provide a second breath sample, if prompted.
3. Breath Test Sequence Evaluating RFI Detection During Second Breath Sample.
Use a 0.20 g/210L simulator to provide the first breath sample.
Use a 0.20 g/210L simulator to provide a second breath sample, if prompted, and key a hand-held radio transmitter while providing this breath sample.
4. Breath Test Sequence Evaluating .020 Agreement.
Use a 0.05 g/210L simulator to provide the first breath sample.

Use a 0.08 g/210L simulator to provide a second breath sample, if prompted.
Use a 0.20 g/210L simulator to provide a third breath sample, if prompted.

5. Breath Test Sequence Evaluating Insufficient Breath Volume During Second Breath Sample.
Use a 0.20 g/210L simulator to provide the first breath sample.
Use a 0.20 g/210L simulator to provide a second breath sample for approximately two (2) seconds, if prompted.
Use a 0.20 g/210L simulator to provide a third breath sample, if prompted.
6. Breath Test Sequence Evaluating Decreasing Slope Detection During Second Breath Sample.
Use a 0.20 g/210L simulator to provide the first breath sample.
Rinse mouth with mouth alcohol solution and provide a second breath sample, if prompted.
7. Breath Test Sequence Evaluating No Second Breath Sample.
Use a 0.20 g/210L simulator to provide the first breath sample.
Do not provide a second breath sample, if prompted.
Use a 0.20 g/210L simulator to provide a breath sample during a third breath sample prompt.
8. Breath Test Sequence Evaluating Second Breath Sample At An Improper Time.
Use a 0.20 g/210L simulator to provide the first breath sample.
Use a 0.20 g/210L simulator to provide a second breath sample before being prompted.
9. Breath Test Sequence Evaluating Detection Of Acetone Interferent During Second Breath Sample.
Use a 0.20 g/210L simulator to provide the first breath sample.
Add 3 mL acetone stock solution to a 0.08 g/210L simulator and use this simulator to provide a second breath sample, if prompted.
10. Breath Test Sequence Evaluating Second Control Sample Outside Tolerance.
Connect a 0.08 g/210L dry gas standard to the instrument.
Disconnect the dry gas standard after the first control sample result.
Use a 0.20 g/210L simulator to provide the first breath sample.

Analytical Results

Results of all Department Inspections met the requirements of FDLE/ATP Form 36 Department Inspection Procedures – Intoxilyzer 8000 March 2004 for accuracy, precision and correct instrument responses. Correct and appropriate instrument responses were recorded by all instruments for each testing sequence conducted with each power source used, including prompting additional breath samples when applicable. Results for the 110 volt AC power source procedures are outlined in Appendix C-1, Appendix C-2, and Appendix C-3. Results for the 12 volt DC motor vehicle power source procedures are outlined in Appendix D-1, Appendix D-2, and Appendix D-3. Results for the 12 volt DC vessel power source procedures are outlined in Appendix E-1 and Appendix E-2.

Conclusion

This research study establishes that the CMI, Inc. Intoxilyzer 8000 instrumentation produces accurate and reliable breath alcohol test results, including correct and appropriate responses to alternative breath test sequence factors and situations, using the above power sources.

APPENDIX A

External Equipment

Reference Sample Devices (Simulators)

Make	Model	Serial Number
Guth	10-4D	SD1018
Guth	10-4D	SD1022
Guth	10-4D	SD1011
Guth	34C	G2838
Guth	34C	G11621
Guth	34C	G8152
Guth	34C	G2407
Guth	10-4D	SD1010
Guth	10-4D	SD1020
Guth	10-4D	SD1012
Guth	10-4D	SD1013
Guth	10-4D	SD1014
Guth	10-4D	SD1017
Guth	34C	G2404

Digital Thermometers

Make	Model	Serial Number
Ertco-Eutechnics	4400	300504
Ertco-Eutechnics	4400	300948

Digital Pressure Indicators

Make	Model	Serial Number
Druck	DPI705	70528427
Druck	DPI705	70526932
Druck	DPI705	70526931

External Printers

Make	Model	Serial Number
Samsung	ML1750	BAAX303958M
Samsung	ML1750	BAAX303716R
HP	1200	CNBJK47835

APPENDIX B

Alcohol Reference Solution

	0.050 g/210L (g/100mL)	0.080 g/210L (g/100mL)	0.200 g/210L (g/100mL)
Source	Alcohol Countermeasure Systems, Inc.	Alcohol Countermeasure Systems, Inc.	Alcohol Countermeasure Systems, Inc.
Lot Number	200504C	200504D	200205C
Manufacture Date	4/21/2005	4/21/2005	5/5/2005
Expiration Date	4/21/2007	4/21/2007	5/5/2007
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	0.0598	0.0964	0.2468
2	0.0597	0.0967	0.2479
3	0.0601	0.0961	0.2485
4	0.0601	0.0963	0.2468
5	0.0598	0.0964	0.2474
6	0.0596	0.0971	0.2471
7	0.0604	0.0965	0.2482
8	0.0602	0.0969	0.2472
9	0.0599	0.0965	0.2480
10	0.0599	0.0967	0.2482
11	0.0598	0.0965	0.2472
12	0.0602	0.0963	0.2476
13	0.0602	0.0963	0.2483
14	0.0602	0.0972	0.2478
15	0.0602	0.0967	0.2479
16	0.0595	0.0971	0.2477
17	0.0602	0.0967	0.2489
18	0.0594	0.0967	0.2472
19	0.0593	0.0970	0.2476
20	0.0598	0.0970	0.2465
Mean	0.0599	0.0967	0.2476
Std Dev	0.0003	0.0003	0.0006
Minimum	0.0593	0.0961	0.2465
Maximum	0.0604	0.0972	0.2489

Dry Gas Standard

Manufacturer	Lot Number	Expiration Date	Certified Concentration
Scott Specialty Gases, Inc.	525202I	September 14, 2007	0.080 g/210L
Scott Specialty Gases, Inc.	520201I	July 26, 2007	0.080 g/210L

APPENDIX C-1

Analytical Results
110 Volt AC Power Source Analyses
Intoxilyzer 8000 S.N. 80-001173

110 Volt Power Procedure #1

Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.196
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.198
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK

110 Volt Power Procedure #2

Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	RFI*
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK

*RFI Detect

110 Volt Power Procedure #3

Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.201
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	RFI*
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK

*RFI Detect

110 Volt Power Procedure #4

Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.056*
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.084*
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.202*
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK

*No .020 Agreement

110 Volt Power Procedure #5

Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.202
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	VNM*
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.206
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK

*Volume Not Met (0.151 – Breath Sample Not Reliable to Determine Breath Alcohol Level)

110 Volt Power Procedure #6

Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	VNM*
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.199
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.203
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK

*Volume Not Met (0.000 – Breath Sample Not Reliable to Determine Breath Alcohol Level)

110 Volt Power Procedure #7	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	VNM*
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	VNM**
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Volume Not Met (0.000 – Breath Sample Not Reliable to Determine Breath Alcohol Level) **Volume Not Met (0.000 – Breath Sample Not Reliable to Determine Breath Alcohol Level)	

110 Volt Power Procedure #8	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.205
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	SNM*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*Slope Not Met	

110 Volt Power Procedure #9	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	SNM*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*Slope Not Met	

110 Volt Power Procedure #10	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.204
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	NSP*
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.198
Air Blank	0.000
Control Test	0.076
Air Blank	0.000
Diagnostics Check	OK
*No Sample Provided	

110 Volt Power Procedure #11	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	NSP*
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.200
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.201
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*No Sample Provided	

110 Volt Power Procedure #12	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	NSP*
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	NSP*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*No Sample Provided	

110 Volt Power Procedure #13	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	IPS*
Air Blank	0.000
*Improper Sample	

110 Volt Power Procedure #14	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.200
Air Blank	0.000
Air Blank	IPS*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*Improper Sample	

110 Volt Power Procedure #15	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	INT*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*Interferent Detect	

110 Volt Power Procedure #16	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.196
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	INT*
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Interferent Detect	

110 Volt Power Procedure #17	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.103*
Air Blank	0.000
*Control Outside Tolerance	

110 Volt Power Procedure #18	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.198
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.198
Air Blank	0.000
Control Test	0.000*
Air Blank	0.000
*Control Outside Tolerance	

APPENDIX C-2

Analytical Results
110 Volt AC Power Source Analyses
Intoxilyzer 8000 S.N. 80-001175

110 Volt Power Procedure #1

Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.197
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.201
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK

110 Volt Power Procedure #2

Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	RFI*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK

*RFI Detect

110 Volt Power Procedure #3

Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.202
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	RFI*
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK

*RFI Detect

110 Volt Power Procedure #4

Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.051*
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.081*
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.204*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK

*No .020 Agreement

110 Volt Power Procedure #5

Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.203
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	VNM*
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.201
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK

*Volume Not Met (0.193 – Breath Sample Not Reliable to Determine Breath Alcohol Level)

110 Volt Power Procedure #6

Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	VNM*
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.202
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.202
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK

*Volume Not Met (0.165 – Breath Sample Not Reliable to Determine Breath Alcohol Level)

110 Volt Power Procedure #7	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	VNM*
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	VNM**
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Volume Not Met (0.000 – Breath Sample Not Reliable to Determine Breath Alcohol Level) **Volume Not Met (0.189 – Breath Sample Not Reliable to Determine Breath Alcohol Level)	

110 Volt Power Procedure #8	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.201
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	SNM*
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Slope Not Met	

110 Volt Power Procedure #9	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	SNM*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*Slope Not Met	

110 Volt Power Procedure #10	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.202
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	NSP*
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.201
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*No Sample Provided	

110 Volt Power Procedure #11	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	NSP*
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.201
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.201
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*No Sample Provided	

110 Volt Power Procedure #12	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	NSP*
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	NSP*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*No Sample Provided	

110 Volt Power Procedure #13	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	IPS*
Air Blank	0.000
*Improper Sample	

110 Volt Power Procedure #14	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.200
Air Blank	0.000
Air Blank	IPS*
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Improper Sample	

110 Volt Power Procedure #15	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	INT*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*Interferent Detect	

110 Volt Power Procedure #16	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.200
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	INT*
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Interferent Detect	

110 Volt Power Procedure #17	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.103*
Air Blank	0.000
*Control Outside Tolerance	

110 Volt Power Procedure #18	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.199
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.199
Air Blank	0.000
Control Test	0.000*
Air Blank	0.000
*Control Outside Tolerance	

APPENDIX C-3

Analytical Results
110 Volt AC Power Source Analyses
Intoxilyzer 8000 S.N. 80-001181

110 Volt Power Procedure #1

Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.208
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.209
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Diagnostics Check	OK

110 Volt Power Procedure #2

Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	RFI*
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Diagnostics Check	OK

*RFI Detect

110 Volt Power Procedure #3

Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Subject Sample #1	0.206
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	RFI*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK

*RFI Detect

110 Volt Power Procedure #4

Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.050*
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.081*
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.207*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK

*No .020 Agreement

110 Volt Power Procedure #5

Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.207
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	VNM*
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.206
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK

*Volume Not Met (0.000 – Breath Sample Not Reliable to Determine Breath Alcohol Level)

110 Volt Power Procedure #6

Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Subject Sample #1	VNM*
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.206
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.205
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK

*Volume Not Met (0.175 – Breath Sample Not Reliable to Determine Breath Alcohol Level)

110 Volt Power Procedure #7	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Subject Sample #1	VNM*
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	VNM**
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*Volume Not Met (0.178 – Breath Sample Not Reliable to Determine Breath Alcohol Level) **Volume Not Met (0.071 – Breath Sample Not Reliable to Determine Breath Alcohol Level)	

110 Volt Power Procedure #8	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.206
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	SNM*
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Slope Not Met	

110 Volt Power Procedure #9	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	SNM*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*Slope Not Met	

110 Volt Power Procedure #10	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Subject Sample #1	0.205
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	NSP*
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.205
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*No Sample Provided	

110 Volt Power Procedure #11	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Subject Sample #1	NSP*
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.204
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.204
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*No Sample Provided	

110 Volt Power Procedure #12	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	NSP*
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	NSP*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*No Sample Provided	

110 Volt Power Procedure #13	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Reference	IPS*
Air Blank	0.000
*Improper Sample	

110 Volt Power Procedure #14	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Subject Sample #1	0.203
Air Blank	0.000
Air Blank	0.000
Reference	IPS*
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Diagnostics Check	OK
*Improper Sample	

110 Volt Power Procedure #15	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Subject Sample #1	INT*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*Interferent Detect	

110 Volt Power Procedure #16	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Subject Sample #1	0.204
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	INT*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*Interferent Detect	

110 Volt Power Procedure #17	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.103*
Air Blank	0.000
*Control Outside Tolerance	

110 Volt Power Procedure #18	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.203
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.202
Air Blank	0.000
Control Test	0.000*
Air Blank	0.000
*Control Outside Tolerance	

APPENDIX D-1

Analytical Results
12 Volt DC Motor Vehicle Power Source Analyses
Intoxilyzer 8000 S.N. 80-001173

Department Inspection
Procedure #1

Agency: CMI, Inc.
Time of Inspection: 13:38 **Date of Inspection:** 12/13/2005 **Serial Number:** 80-001173 **Software:** 8100.25

CHECK OR TEST	YES	NO	CHECK OR TEST	YES	NO
Diagnostic Check (Pre-Inspection): OK	Yes		Date and/or Time Adjusted		No
Minimum Sample Volume Check: OK	Yes		Barometric Pressure Sensor Check: OK	Yes	
Alcohol Free Subject Test: 0.000	Yes		Mouth Alcohol Test: Slope Not Met	Yes	
Interferent Detect Test: Interferent Detect	Yes		Diagnostic Check (Post-Inspection): OK	Yes	

Alcohol Free Test (g/210L)	0.05g/210L Test (g/210L) Lot#:200504C Exp: 04/21/2007	0.08g/210L Test (g/210L) Lot#:200504D Exp: 04/21/2007	0.20g/210L Test (g/210L) Lot#:200505C Exp: 05/05/2007	0.08 g/210L Dry Gas Std Test (g/210L) Lot#:525202I Exp: 09/14/2007
0.000	0.048	0.078	0.199	0.079
0.000	0.050	0.080	0.200	0.079
0.000	0.050	0.081	0.200	0.079
0.000	0.050	0.082	0.200	0.079
0.000	0.050	0.081	0.200	0.079
0.000	0.050	0.081	0.200	0.079
0.000	0.050	0.081	0.200	0.079
0.000	0.050	0.081	0.200	0.079
0.000	0.051	0.081	0.200	0.079
0.000	0.050	0.082	0.200	0.079

Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0005 **Number of Simulators Used:** 4

Remarks:

The above instrument complies (X) does not comply ( ) with Chapter 11D-8, FAC.

Breath Test Sequences

12 Volt Power Procedure #2	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.190
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.196
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK

12 Volt Power Procedure #3	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	RFI*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*RFI Detect	

12 Volt Power Procedure #4	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.199
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	RFI*
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*RFI Detect	

12 Volt Power Procedure #5	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.050*
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.077*
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.189*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*No .020 Agreement	

12 Volt Power Procedure #6	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.199
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	VNM*
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.194
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Volume Not Met (0.000 – Breath Sample Not Reliable to Determine Breath Alcohol Level)	

12 Volt Power Procedure #7	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	VNM*
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.191
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.192
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Volume Not Met (0.013 – Breath Sample Not Reliable to Determine Breath Alcohol Level)	

12 Volt Power Procedure #8	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	VNM*
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	VNM**
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*Volume Not Met (0.023 – Breath Sample Not Reliable to Determine Breath Alcohol Level) **Volume Not Met (0.000 – Breath Sample Not Reliable to Determine Breath Alcohol Level)	

12 Volt Power Procedure #9	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.180
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	SNM*
Air Blank	0.000
Control Test	0.081
Air Blank	0.000
Diagnostics Check	OK
*Slope Not Met	

12 Volt Power Procedure #10	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	SNM*
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
*Slope Not Met	

12 Volt Power Procedure #11	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.189
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	NSP*
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.187
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*No Sample Provided	

12 Volt Power Procedure #12	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	NSP*
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.186
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.181
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*No Sample Provided	

12 Volt Power Procedure #13	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	NSP*
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	NSP*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*No Sample Provided	

12 Volt Power Procedure #14	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.080
Air Blank	IPS*
Air Blank	0.000
*Improper Sample	

12 Volt Power Procedure #15	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.196
Air Blank	0.000
Air Blank	IPS*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*Improper Sample	

12 Volt Power Procedure #16	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	INT*
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Diagnostics Check	OK
*Interferent Detect	

12 Volt Power Procedure #17	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.192
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	INT*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*Interferent Detect	

12 Volt Power Procedure #18[1]	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.000*
Air Blank	0.000
*Control Outside Tolerance	

[1] No dry gas standard cylinder connected to this instrument.

12 Volt Power Procedure #19	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.188
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.191
Air Blank	0.000
Control Test	0.000*
Air Blank	0.000
*Control Outside Tolerance	

APPENDIX D-2

Analytical Results

12 Volt DC Motor Vehicle Power Source Analyses

Intoxilyzer 8000 S.N. 80-001175

Department Inspection
Procedure #1

Agency: CMI, Inc.
Time of Inspection: 12:50 **Date of Inspection:** 12/13/2005

Serial Number: 80-001175
Software: 8100.25

CHECK OR TEST	YES	NO	CHECK OR TEST	YES	NO
Diagnostic Check (Pre-Inspection): OK	Yes		Date and/or Time Adjusted		No
Minimum Sample Volume Check: OK	Yes		Barometric Pressure Sensor Check: OK	Yes	
Alcohol Free Subject Test: 0.000	Yes		Mouth Alcohol Test: Slope Not Met	Yes	
Interferent Detect Test: Interferent Detect	Yes		Diagnostic Check (Post-Inspection): OK	Yes	

Alcohol Free Test (g/210L)	0.05g/210L Test (g/210L) Lot#:200504C Exp: 04/21/2007	0.08g/210L Test (g/210L) Lot#:200504D Exp: 04/21/2007	0.20g/210L Test (g/210L) Lot#:200505C Exp: 05/05/2007	0.08 g/210L Dry Gas Std Test (g/210L) Lot#:525202I Exp: 09/14/2007
0.000	0.048	0.077	0.196	0.079
0.000	0.049	0.078	0.198	0.079
0.000	0.049	0.080	0.199	0.079
0.000	0.050	0.079	0.199	0.079
0.000	0.050	0.080	0.200	0.079
0.000	0.050	0.080	0.200	0.080
0.000	0.050	0.080	0.200	0.080
0.000	0.050	0.080	0.200	0.079
0.000	0.050	0.081	0.200	0.079
0.000	0.050	0.080	0.200	0.079

Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0008 **Number of Simulators Used:** 5

Remarks:

The above instrument complies (X) does not comply ( ) with Chapter 11D-8, FAC.

Breath Test Sequences

12 Volt Power Procedure #2	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.198
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.196
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK

12 Volt Power Procedure #3	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	RFI*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*RFI Detect	

12 Volt Power Procedure #4	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Subject Sample #1	0.197
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	RFI*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*RFI Detect	

12 Volt Power Procedure #5	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.051*
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.083*
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.200*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*No .020 Agreement	

12 Volt Power Procedure #6	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.195
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	VNM*
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.194
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Volume Not Met (0.019 – Breath Sample Not Reliable to Determine Breath Alcohol Level)	

12 Volt Power Procedure #7	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	VNM*
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.195
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.195
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Volume Not Met (0.073 – Breath Sample Not Reliable to Determine Breath Alcohol Level)	

12 Volt Power Procedure #8	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	VNM*
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	VNM**
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Volume Not Met (0.007 – Breath Sample Not Reliable to Determine Breath Alcohol Level) **Volume Not Met (0.032 – Breath Sample Not Reliable to Determine Breath Alcohol Level)	

12 Volt Power Procedure #9	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.190
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	SNM*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*Slope Not Met	

12 Volt Power Procedure #10	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	SNM*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*Slope Not Met	

12 Volt Power Procedure #11	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.190
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	NSP*
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.187
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*No Sample Provided	

12 Volt Power Procedure #12	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	NSP*
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.186
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.188
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*No Sample Provided	

12 Volt Power Procedure #13	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	NSP*
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	NSP*
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Diagnostics Check	OK
*No Sample Provided	

12 Volt Power Procedure #14	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.080
Air Blank	IPS*
Air Blank	0.000
*Improper Sample	

12 Volt Power Procedure #15	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Subject Sample #1	0.185
Air Blank	0.000
Air Blank	IPS*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*Improper Sample	

12 Volt Power Procedure #16	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	INT*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*Interferent Detect	

12 Volt Power Procedure #17	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Subject Sample #1	0.183
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	INT*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*Interferent Detect	

12 Volt Power Procedure #18	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.103*
Air Blank	0.000
*Control Outside Tolerance	

12 Volt Power Procedure #19	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.184
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.183
Air Blank	0.000
Control Test	0.000*
Air Blank	0.000
*Control Outside Tolerance	

APPENDIX D-3

Analytical Results

12 Volt DC Motor Vehicle Power Source Analyses

Intoxilyzer 8000 S.N. 80-001181

Department Inspection
Procedure #1

Agency: CMI, Inc.
Time of Inspection: 12:08 **Date of Inspection:** 12/13/2005 **Serial Number:** 80-001181
Software: 8100.25

CHECK OR TEST	YES	NO	CHECK OR TEST	YES	NO
Diagnostic Check (Pre-Inspection): OK	Yes		Date and/or Time Adjusted		No
Minimum Sample Volume Check: OK	Yes		Barometric Pressure Sensor Check: OK	Yes	
Alcohol Free Subject Test: 0.000	Yes		Mouth Alcohol Test: Slope Not Met	Yes	
Interferent Detect Test: Interferent Detect	Yes		Diagnostic Check (Post-Inspection): OK	Yes	

Alcohol Free Test (g/210L)	0.05g/210L Test (g/210L) Lot#:200504C Exp: 04/21/2007	0.08g/210L Test (g/210L) Lot#:200504D Exp: 04/21/2007	0.20g/210L Test[1] (g/210L) Lot#:200505C Exp: 05/05/2007	0.08 g/210L Dry Gas Std Test (g/210L) Lot#:520201I Exp: 07/26/2007
0.000	0.047	0.077	0.199 / 0.202	0.081
0.000	0.048	0.078	0.201 / 0.202	0.080
0.000	0.048	0.078	0.202 / 0.202	0.080
0.000	0.048	0.080	0.203 / 0.202	0.081
0.000	0.049	0.080	0.203 / 0.202	0.080
0.000	0.048	0.080	0.204 / 0.203	0.080
0.000	0.048	0.081	RFI / 0.203	0.080
0.000	0.048	0.081	/ 0.202	0.080
0.000	0.048	0.081	/ 0.203	0.080
0.000	0.048	0.081	/ 0.202	0.080

Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0006 **Number of Simulators Used:** 5

Remarks: [1] RFI detected. Test sequence was aborted and repeated.

The above instrument complies (X) does not comply ( ) with Chapter 11D-8, FAC.

Breath Test Sequences

12 Volt Power Procedure #2	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Subject Sample #1	0.205
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.204
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Diagnostics Check	OK

12 Volt Power Procedure #3	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	RFI*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*RFI Detect	

12 Volt Power Procedure #4	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Subject Sample #1	0.199
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	RFI*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*RFI Detect	

12 Volt Power Procedure #5	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Subject Sample #1	0.051*
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.079*
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.200*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*No .020 Agreement	

12 Volt Power Procedure #6	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Subject Sample #1	0.199
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	VNM*
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.199
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*Volume Not Met (0.027 – Breath Sample Not Reliable to Determine Breath Alcohol Level)	

12 Volt Power Procedure #7	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Subject Sample #1	VNM*
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.197
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.197
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Diagnostics Check	OK
*Volume Not Met (0.033 – Breath Sample Not Reliable to Determine Breath Alcohol Level)	

12 Volt Power Procedure #8	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Subject Sample #1	VNM*
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	VNM**
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Diagnostics Check	OK
*Volume Not Met (0.047 – Breath Sample Not Reliable to Determine Breath Alcohol Level) **Volume Not Met (0.183 – Breath Sample Not Reliable to Determine Breath Alcohol Level)	

12 Volt Power Procedure #9	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Subject Sample #1	0.193
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	SNM*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*Slope Not Met	

12 Volt Power Procedure #10	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	SNM*
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Diagnostics Check	OK
*Slope Not Met	

12 Volt Power Procedure #11	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.081
Air Blank	0.000
Subject Sample #1	0.191
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	NSP*
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.191
Air Blank	0.000
Control Test	0.081
Air Blank	0.000
Diagnostics Check	OK
*No Sample Provided	

12 Volt Power Procedure #12	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Subject Sample #1	NSP*
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.192
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.192
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Diagnostics Check	OK
*No Sample Provided	

12 Volt Power Procedure #13	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Subject Sample #1	NSP*
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	NSP*
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Diagnostics Check	OK
*No Sample Provided	

12 Volt Power Procedure #14	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Reference	IPS*
Air Blank	0.000
*Improper Sample	

12 Volt Power Procedure #15	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Subject Sample #1	0.190
Air Blank	0.000
Air Blank	0.000
Reference	IPS*
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Diagnostics Check	OK
*Improper Sample	

12 Volt Power Procedure #16	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Subject Sample #1	INT*
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Diagnostics Check	OK
*Interferent Detect	

12 Volt Power Procedure #17	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Subject Sample #1	0.194
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	INT*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*Interferent Detect	

12 Volt Power Procedure #18	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.104*
Air Blank	0.000
*Control Outside Tolerance	

12 Volt Power Procedure #19	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.081
Air Blank	0.000
Subject Sample #1	0.198
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.195
Air Blank	0.000
Control Test	0.000*
Air Blank	0.000
*Control Outside Tolerance	

APPENDIX E-1

Analytical Results
12 Volt DC Vessel Power Source Analyses
Intoxilyzer 8000 S.N. 80-001173

Breath Test Sequences

12 Volt Power Procedure #2	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.199
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.195
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK

12 Volt Power Procedure #3	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.196
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	RFI*
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*RFI Detect	

12 Volt Power Procedure #4	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.054*
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.076*
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.178*
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*No .020 Agreement	

12 Volt Power Procedure #5	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.197
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	VNM*
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.200
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Volume Not Met (0.000 – Breath Sample Not Reliable to Determine Breath Alcohol Level)	

12 Volt Power Procedure #6	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.195
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	SNM*
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Slope Not Met	

12 Volt Power Procedure #7	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.198
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	NSP*
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.201
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*No Sample Provided	

12 Volt Power Procedure #8	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.196
Air Blank	0.000
Air Blank	IPS*
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Improper Sample	

12 Volt Power Procedure #9	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	0.182
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	INT*
Air Blank	0.000
Control Test	0.076
Air Blank	0.000
Diagnostics Check	OK
*Interferent Detect	

12 Volt Power Procedure #10	
Test	**g/210L**
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.198
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.198
Air Blank	0.000
Control Test	0.000*
Air Blank	0.000
*Control Outside Tolerance	

APPENDIX E-2

Analytical Results
12 Volt DC Vessel Power Source Analyses
Intoxilyzer 8000 S.N. 80-001181

Department Inspection
Procedure #1

Agency: CMI, Inc.
Time of Inspection: 14:31 **Date of Inspection:** 12/14/2005

Serial Number: 80-001181
Software: 8100.25

CHECK OR TEST	YES	NO	CHECK OR TEST	YES	NO
Diagnostic Check (Pre-Inspection): OK	Yes		Date and/or Time Adjusted		No
Minimum Sample Volume Check: OK	Yes		Barometric Pressure Sensor Check: OK	Yes	
Alcohol Free Subject Test: 0.000	Yes		Mouth Alcohol Test: Slope Not Met	Yes	
Interferent Detect Test: Interferent Detect	Yes		Diagnostic Check (Post-Inspection): OK	Yes	

Alcohol Free Test (g/210L)	0.05g/210L Test[1] (g/210L) Lot#:200504C Exp: 04/21/2007	0.08g/210L Test (g/210L) Lot#:200504D Exp: 04/21/2007	0.20g/210L Test (g/210L) Lot#:200505C Exp: 05/05/2007	0.08 g/210L Dry Gas Std Test (g/210L) Lot#:520201I Exp: 07/26/2007
0.000	0.044 / 0.049	0.076	0.195	0.079
0.000	0.044 / 0.049	0.077	0.197	0.079
0.000	0.046 / 0.048	0.078	0.197	0.078
0.000	0.046 / 0.049	0.078	0.198	0.078
0.000	0.047 / 0.049	0.078	0.197	0.078
0.000	0.047 / 0.049	0.079	0.197	0.079
0.000	0.048 / 0.049	0.079	0.198	0.078
0.000	0.048 / 0.049	0.079	0.198	0.078
0.000	0.049 / 0.049	0.079	0.197	0.078
0.000	0.049 / 0.049	0.079	0.195	0.078

Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0007 **Number of Simulators Used:** 5

Remarks: [1] 0.044 results not within acceptable range likely due to cold simulator tubing (Ambient Temperature 63F) Test was repeated with all results within acceptable range.

The above instrument complies (X) does not comply ( ) with Chapter 11D-8, FAC.