



Florida Department of
Law Enforcement

Gerald M. Bailey
Commissioner

**Criminal Justice
Professionalism Program
Alcohol Testing Program**

P.O. Box 1489
Tallahassee, Florida 32302
(850) 410-8600
(850) 410-7816 Fax
<http://www.fdle.state.fl.us>

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 – August 2006

Attached you will find the CMI, Inc. Intoxilyzer 8000 Instrumentation Research Study Report prepared on November 26, 2006. The report was generated using data obtained during the study conducted on August 1, 2006.

The results of this research study establish that the CMI, Inc. Intoxilyzer 8000 breath test instrumentation with the identified feature/update produces accurate and reliable breath alcohol test results, including correct and appropriate responses to alternative breath test sequence factors and situations. 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**

**August 1, 2006
Ponte Vedra, Florida**

CMI, Inc. Intoxilyzer 8000 Instrumentation Research Study Report

Purpose

The purpose of this research study is to assess the instrument responses of an Intoxilyzer 8000 breath test instrument to alternative breath test sequence factors and situations using software version 8100.26 and the following feature/update:

- System Board Part Number 310338G

Testing Location and Operating Conditions

Testing Location: Sawgrass Marriott Resort
1000 PGA Tour Boulevard
Ponte Vedra, FL 32082

Operating Conditions: Indoors, 73 to 74° F

FDLE Personnel Present

Laura D. Barfield, Program Manager

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)

Sandra G. Veiga, 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** - No shrink wrap cover on the ends of the breath hose, no room temperature vulcanization (RTV) applied to the power supply coils, case part number(s) cover (top) 440980 and chassis (bottom) 440988, ring detect capacitor – 0.047 Microfarad, 2MB memory storage capacity, system board part number 310338E.
- **CMI, Inc. Intoxilyzer 8000, Serial Number 80-001175** – Shrink wrap cover on both ends of the breath hose, room temperature vulcanization (RTV) applied to the power supply coils, case part number(s) cover (top) 440980 Rev B and chassis (bottom) 440988 Rev A, ring detect capacitor – 0.47 Microfarad, 2MB memory storage capacity, system board part number 310338G.

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.

Equipment and Supplies

Reference Sample Devices (Simulators)

All simulators were operated within $34 \pm 0.2^{\circ}\text{C}$ 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.

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 Numbers 2005-D and 2006-D, and Mouth Alcohol Solution, Lot Number 2006-A, 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.

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

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 August 2005, to assess instrument messages and responses. 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. All results were recorded using an external printer.

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 0.08 g/210L dry gas standard after the first control sample result.
Attach a 0.10 g/210L dry gas standard to the instrument.
Use a 0.20 g/210L simulator to provide the first breath sample when prompted.
Use a 0.20 g/210L simulator to provide the second breath sample, 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.
20. **Breath Test Sequence Evaluating First Control Sample Outside Tolerance**
Disconnect the 0.08 g/210L dry gas cylinder and conduct a breath test.
Use a 0.20 g/210L simulator to provide breath samples, if prompted.

Analytical Results

Correct and appropriate instrument responses were recorded for each testing sequence conducted, including prompting additional breath samples when applicable. All results are outlined in Appendix C-1 and Appendix C-2.

Conclusion

This research study establishes that the CMI, Inc. Intoxilyzer 8000 instrumentation, with software version 8100.26 and the feature/update listed above, produces accurate and reliable breath alcohol test results, including correct and appropriate responses to alternative breath test sequence factors and situations.

APPENDIX A

External Equipment

Reference Sample Devices (Simulators)

Make	Model	Serial Number
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
Guth	10-4D	SD1011
Guth	10-4D	SD1018
Guth	10-4D	SD1022
Guth	34C	G2840
Guth	34C	G2883

Digital Thermometers

Make	Model	Serial Number
Ertco-Eutechnics	4400	300504

External Printers

Make	Model	Serial Number
Samsung	ML1750	BAAX303716R
Brother	HL5240	5J239707

APPENDIX B

Standards

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.	618801I	July 10, 2008	0.080 g/210L

APPENDIX C-1

Analytical Results

Intoxilyzer 8000 S.N. 80-001173

Procedure #1		Procedure #2		Procedure #3	
Test	g/210L	Test	g/210L	Test	g/210L
Diagnostics Check	OK	Diagnostics Check	OK	Diagnostics Check	OK
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Control Test	0.078	Control Test	0.078	Control Test	0.078
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #1	0.199	Subject Sample #1	RFI*	Subject Sample #1	0.197
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Air Blank	0.000	Control Test	0.078	Air Blank	0.000
Subject Sample #2	0.197	Air Blank	0.000	Subject Sample #2	RFI*
Air Blank	0.000	Diagnostics Check	OK	Air Blank	0.000
Control Test	0.078	*RFI Detect		Control Test	0.078
Air Blank	0.000	*RFI Detect		Air Blank	0.000
Diagnostics Check	OK	*RFI Detect		Diagnostics Check	OK
Procedure #4		Procedure #5		Procedure #6	
Test	g/210L	Test	g/210L	Test	g/210L
Diagnostics Check	OK	Diagnostics Check	OK	Diagnostics Check	OK
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Control Test	0.078	Control Test	0.078	Control Test	0.078
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #1	0.051*	Subject Sample #1	0.195	Subject Sample #1	VNM*
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #2	0.080*	Subject Sample #2	VNM*	Subject Sample #2	0.198
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #3	0.195*	Subject Sample #3	0.195	Subject Sample #3	0.196
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Control Test	0.078	Control Test	0.078	Control Test	0.077
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Diagnostics Check	OK	Diagnostics Check	OK	Diagnostics Check	OK
*No .020 Agreement		*Volume Not Met (0.178 – Breath Sample Not Reliable to Determine Breath Alcohol Level)		*Volume Not Met (0.039 – Breath Sample Not Reliable to Determine Breath Alcohol Level)	

APPENDIX C-1 (Continued)

Analytical Results

Intoxilyzer 8000 S.N. 80-001173

Procedure #7		Procedure #8		Procedure #9	
Test	g/210L	Test	g/210L	Test	g/210L
Diagnostics Check	OK	Diagnostics Check	OK	Diagnostics Check	OK
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Control Test	0.078	Control Test	0.077	Control Test	0.078
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #1	VNM*	Subject Sample #1	0.201	Subject Sample #1	SNM*
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Air Blank	0.000	Air Blank	0.000	Control Test	0.078
Subject Sample #2	VNM**	Subject Sample #2	SNM*	Air Blank	0.000
Air Blank	0.000	Air Blank	0.000	Diagnostics Check	OK
Control Test	0.077	Control Test	0.078	*Slope Not Met	
Air Blank	0.000	Air Blank	0.000	*Slope Not Met	
Diagnostics Check	OK	Diagnostics Check	OK	*Slope Not Met	
*Volume Not Met (0.153 – Breath Sample Not Reliable to Determine Breath Alcohol Level)		*Volume Not Met (0.162 – Breath Sample Not Reliable to Determine Breath Alcohol Level)		*Slope Not Met	
Procedure #10		Procedure #11		Procedure #12	
Test	g/210L	Test	g/210L	Test	g/210L
Diagnostics Check	OK	Diagnostics Check	OK	Diagnostics Check	OK
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Control Test	0.078	Control Test	0.078	Control Test	0.078
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #1	0.197	Subject Sample #1	NSP*	Subject Sample #1	NSP*
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #2	NSP*	Subject Sample #2	0.198	Subject Sample #2	NSP*
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Air Blank	0.000	Air Blank	0.000	Control Test	0.079
Subject Sample #3	0.197	Subject Sample #3	0.197	Air Blank	0.000
Air Blank	0.000	Air Blank	0.000	Diagnostics Check	OK
Control Test	0.078	Control Test	0.078	*No Sample Provided	
Air Blank	0.000	Air Blank	0.000	*No Sample Provided	
Diagnostics Check	OK	Diagnostics Check	OK	*No Sample Provided	
*No Sample Provided		*No Sample Provided		*No Sample Provided	

APPENDIX C-1 (Continued)

Analytical Results

Intoxilyzer 8000 S.N. 80-001173

Procedure #13		Procedure #14		Procedure #15	
Test	g/210L	Test	g/210L	Test	g/210L
Diagnostics Check	OK	Diagnostics Check	OK	Diagnostics Check	OK
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Control Test	0.078	Control Test	0.079	Control Test	0.079
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Reference	IPS*	Subject Sample #1	0.198	Subject Sample #1	INT*
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Improper Sample		Reference	IPS	Control Test	0.078
		Air Blank	0.000	Air Blank	0.000
		Control Test	0.079	Diagnostics Check	OK
		Air Blank	0.000	*Interferent Detect	
		Diagnostics Check	OK		
		*Improper Sample			
Procedure #16		Procedure #17		Procedure #18	
Test	g/210L	Test	g/210L	Test	g/210L
Diagnostics Check	OK	Diagnostics Check	OK	Diagnostics Check	OK
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Control Test	0.078	Control Test	0.099*	Control Test	0.078
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #1	0.194	*Control Outside Tolerance		Subject Sample #1	0.194
Air Blank	0.000			Air Blank	0.000
Air Blank	0.000			Air Blank	0.000
Subject Sample #2	INT*			Subject Sample #2	0.195
Air Blank	0.000			Air Blank	0.000
Control Test	0.077			Control Test	0.098*
Air Blank	0.000			Air Blank	0.000
Diagnostics Check	OK			*Control Outside Tolerance	
*Interferent Detect					

APPENDIX C-1 (Continued)
Analytical Results
Intoxilyzer 8000 S.N. 80-001173

Procedure #19		Procedure #20		
Test	g/210L	Test	g/210L	
Diagnostics Check	OK	Diagnostics Check	OK	
Air Blank	0.000	Air Blank	0.000	
Control Test	0.078	Control Test	0.000*	
Air Blank	0.000	Air Blank	0.000	
Subject Sample #1	0.194	*Control Outside Tolerance		
Air Blank	0.000			
Air Blank	0.000			
Subject Sample #2	0.192			
Air Blank	0.000			
Control Test	0.000*			
Air Blank	0.000			
*Control Outside Tolerance				

APPENDIX C-2

Analytical Results

Intoxilyzer 8000 S.N. 80-001175

Procedure #1		Procedure #2		Procedure #3	
Test	g/210L	Test	g/210L	Test	g/210L
Diagnostics Check	OK	Diagnostics Check	OK	Diagnostics Check	OK
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Control Test	0.079	Control Test	0.078	Control Test	0.079
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #1	0.201	Subject Sample #1	RFI*	Subject Sample #1	0.202
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Air Blank	0.000	Control Test	0.078	Air Blank	0.000
Subject Sample #2	0.201	Air Blank	0.000	Subject Sample #2	RFI*
Air Blank	0.000	Diagnostics Check	OK	Air Blank	0.000
Control Test	0.078	*RFI Detect		Control Test	0.078
Air Blank	0.000			Air Blank	0.000
Diagnostics Check	OK			Diagnostics Check	OK
				*RFI Detect	
Procedure #4		Procedure #5		Procedure #6	
Test	g/210L	Test	g/210L	Test	g/210L
Diagnostics Check	OK	Diagnostics Check	OK	Diagnostics Check	OK
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Control Test	0.079	Control Test	0.078	Control Test	0.079
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #1	0.053*	Subject Sample #1	0.201	Subject Sample #1	VNM*
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #2	0.083*	Subject Sample #2	VNM*	Subject Sample #2	0.199
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #3	0.201*	Subject Sample #3	0.200	Subject Sample #3	0.199
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Control Test	0.078	Control Test	0.078	Control Test	0.077
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Diagnostics Check	OK	Diagnostics Check	OK	Diagnostics Check	OK
*No .020 Agreement		*Volume Not Met (0.000 – Breath Sample Not Reliable to Determine Breath Alcohol Level)		*Volume Not Met (0.071 – Breath Sample Not Reliable to Determine Breath Alcohol Level)	

APPENDIX C-2 (Continued)

Analytical Results

Intoxilyzer 8000 S.N. 80-001175

Procedure #7		Procedure #8		Procedure #9	
Test	g/210L	Test	g/210L	Test	g/210L
Diagnostics Check	OK	Diagnostics Check	OK	Diagnostics Check	OK
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Control Test	0.078	Control Test	0.078	Control Test	0.078
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #1	VNM*	Subject Sample #1	0.199	Subject Sample #1	SNM*
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Air Blank	0.000	Air Blank	0.000	Control Test	0.079
Subject Sample #2	VNM**	Subject Sample #2	SNM*	Air Blank	0.000
Air Blank	0.000	Air Blank	0.000	Diagnostics Check	OK
Control Test	0.077	Control Test	0.078	*Slope Not Met	
Air Blank	0.000	Air Blank	0.000	*Slope Not Met	
Diagnostics Check	OK	Diagnostics Check	OK		
*Volume Not Met (0.170 – Breath Sample Not Reliable to Determine Breath Alcohol Level)					
**Volume Not Met (0.137 – Breath Sample Not Reliable to Determine Breath Alcohol Level)					
Procedure #10		Procedure #11		Procedure #12	
Test	g/210L	Test	g/210L	Test	g/210L
Diagnostics Check	OK	Diagnostics Check	OK	Diagnostics Check	OK
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Control Test	0.079	Control Test	0.079	Control Test	0.079
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #1	0.200	Subject Sample #1	NSP*	Subject Sample #1	NSP*
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #2	NSP*	Subject Sample #2	0.199	Subject Sample #2	NSP*
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Air Blank	0.000	Air Blank	0.000	Control Test	0.079
Subject Sample #3	0.198	Subject Sample #3	0.198	Air Blank	0.000
Air Blank	0.000	Air Blank	0.000	Diagnostics Check	OK
Control Test	0.079	Control Test	0.079	*No Sample Provided	
Air Blank	0.000	Air Blank	0.000		
Diagnostics Check	OK	Diagnostics Check	OK		
*No Sample Provided					

APPENDIX C-2 (Continued)

Analytical Results

Intoxilyzer 8000 S.N. 80-001175

Procedure #13		Procedure #14		Procedure #15	
Test	g/210L	Test	g/210L	Test	g/210L
Diagnostics Check	OK	Diagnostics Check	OK	Diagnostics Check	OK
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Reference	IPS*	Control Test	0.079	Control Test	0.079
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Improper Sample		Subject Sample #1	0.197	Subject Sample #1	INT
		Air Blank	0.000	Air Blank	0.000
		Air Blank	0.000	Control Test	0.079
		Reference	IPS*	Air Blank	0.000
		Air Blank	0.000	Diagnostics Check	OK
		Control Test	0.079	*Interferent Detect	
		Air Blank	0.000		
		Diagnostics Check	OK		
		*Improper Sample			
Procedure #16		Procedure #17		Procedure #18	
Test	g/210L	Test	g/210L	Test	g/210L
Diagnostics Check	OK	Diagnostics Check	OK	Diagnostics Check	OK
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Control Test	0.079	Control Test	0.099*	Control Test	0.079
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #1	0.197	*Control Outside Tolerance		Subject Sample #1	0.197
Air Blank	0.000			Air Blank	0.000
Air Blank	0.000			Air Blank	0.000
Subject Sample #2	INT*			Subject Sample #2	0.197
Air Blank	0.000			Air Blank	0.000
Control Test	0.079			Control Test	0.099*
Air Blank	0.000			Air Blank	0.000
Diagnostics Check	OK			*Control Outside Tolerance	
*Interferent Detect					

APPENDIX C-2 (Continued)
Analytical Results
Intoxilyzer 8000 S.N. 80-001175

Procedure #19		Procedure #20		
Test	g/210L	Test	g/210L	
Diagnostics Check	OK	Diagnostics Check	OK	
Air Blank	0.000	Air Blank	0.000	
Control Test	0.079	Control Test	0.000*	
Air Blank	0.000	Air Blank	0.000	
Subject Sample #1	0.197	*Control Outside Tolerance		
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				