



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 – October 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 October 9 and 10, 2006.

The results of this research study establish that the CMI, Inc. Intoxilyzer 8000 breath test instrumentation with software version 8100.27 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**

**October 9 and 10, 2006
Orlando, 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 instruments with software version 8100.27 to alternative breath test sequence factors and situations.

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 - 73° F

FDLE Personnel Present

Laura D. Barfield, Program Manager
Sharon S. Traxler, Assistant General Counsel
Matthew E. Malhiot, Department Inspector
Roger G. Skipper, Department Inspector
Donald P. Suereth, 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** - 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.
- **CMI, Inc. Intoxilyzer 8000, Serial Number 80-001181** – 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, 1MB memory storage capacity, system board part number 310338E.

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: 8100.27
- 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.

External Printer Switch

The make, model and serial number of each external printer switch 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 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. After testing was complete, all instruments were set to Display Volume On and all breath test results were recalled for reprinting. All results were recorded using an external printer. All results are outlined in Appendix C-1, C-2, and Appendix C-3.

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.
6. 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.

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

Additional Breath Test Sequence 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 on. All breath samples, when provided, were submitted through the breath tube. All results were recorded using an external printer. All results are outlined in Appendix D-1, Appendix D-2, and Appendix D-3.

- 1A. Standard Breath Test
- Use a 0.20 g/210L simulator to provide the first breath sample. Begin providing the breath sample at approximately 2 minutes and 55 seconds and continue providing the breath sample past three (3) minutes. Provide greater than 1.1 Liters of breath during the entire breath sampling process.
 - Use a 0.20 g/210L simulator to provide a second breath sample, if prompted. Begin providing the breath sample at approximately 2 minutes and 55 seconds and continue providing the breath sample past three (3) minutes. Provide greater than 1.1 Liters of breath during the entire breath sampling process.
- 2A. Breath Test Sequence Evaluating Insufficient Breath Volume During Second Breath Sample
- Use a 0.20 g/210L simulator to provide the first breath sample when PROVIDE SAMPLE NOW is displayed.
 - Use a 0.20 g/210L simulator to provide a second breath sample, if prompted. Begin providing the breath sample at approximately 2 minutes and 55 seconds and continue providing the breath sample past three (3) minutes. Provide less than 1.1 Liters of breath during the entire breath sampling process.
 - Use a 0.20 g/210L simulator to provide a third breath sample, if prompted, when PROVIDE SAMPLE NOW is displayed.
- 3A. Breath Test Sequence Evaluating Insufficient Breath Volume During First Breath Sample
- Use a 0.20 g/210L simulator to provide the first breath sample. Begin providing the breath sample at approximately 2 minutes and 55 seconds and continue providing the breath sample past three (3) minutes. Provide less than 1.1 Liters of breath during the entire breath sampling process.
 - Use a 0.20 g/210L simulator to provide the second breath sample, if prompted, when PROVIDE SAMPLE NOW is displayed.
 - Use a 0.20 g/210L simulator to provide a third breath sample, if prompted, when PROVIDE SAMPLE NOW is displayed.
- 4A. 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. Begin providing the breath sample at approximately 2 minutes and 55 seconds and continue providing the breath sample past three (3) minutes. Provide less than 1.1 Liters of breath during the entire breath sampling process.
 - Use a 0.20 g/210L simulator to provide a second breath sample, if prompted. Begin providing the breath sample at approximately 2 minutes and 55 seconds and continue providing the breath sample past three (3) minutes. Provide less than 1.1 Liters of breath during the entire breath sampling process.

- 5A. Breath Test Sequence Evaluating Insufficient Breath Volume During First and Third Breath Samples.
- Use a 0.20 g/210L simulator to provide the first breath sample. Begin providing the breath sample at approximately 2 minutes and 55 seconds and continue providing the breath sample past three (3) minutes. Provide less than 1.1 Liters of breath during the entire breath sampling process.
 - Use a 0.20 g/210L simulator to provide a second breath sample, if prompted, when PROVIDE SAMPLE NOW is displayed.
 - Use a 0.20 g/210L simulator to provide a third breath sample, if prompted. Begin providing the breath sample at approximately 2 minutes and 55 seconds and continue providing the breath sample past three (3) minutes. Provide less than 1.1 Liters of breath during the entire breath sampling process.
- 6A. Breath Test Sequence Evaluating Insufficient Breath Volume During Second and Third Breath Samples.
- Use a 0.20 g/210L simulator to provide the first breath sample when PROVIDE SAMPLE NOW is displayed.
 - Use a 0.20 g/210L simulator to provide a second breath sample, if prompted. Begin providing the breath sample at approximately 2 minutes and 55 seconds and continue providing the breath sample past three (3) minutes. Provide less than 1.1 Liters of breath during the entire breath sampling process.
 - Use a 0.20 g/210L simulator to provide a third breath sample, if prompted. Begin providing the breath sample at approximately 2 minutes and 55 seconds and continue providing the breath sample past three (3) minutes. Provide less than 1.1 Liters of breath during the entire breath sampling process.
- 7A. Breath Test Sequence Evaluating Decreasing Slope Detection During First Breath Sample.
- Rinse mouth with mouth alcohol solution and provide the first breath sample. Begin providing the breath sample at approximately 2 minutes and 55 seconds and continue providing the breath sample past three (3) minutes. Provide less than 1.1 Liters of breath during the entire breath sampling process.
- 8A. Breath Test Sequence Evaluating Decreasing Slope Detection During Second Breath Sample.
- Use a 0.20 g/210L simulator to provide the first breath sample when PROVIDE SAMPLE NOW is displayed.
 - Rinse mouth with mouth alcohol solution and provide a second breath sample, if prompted. Begin providing the breath sample at approximately 2 minutes and 55 seconds and continue providing the breath sample past three (3) minutes. Provide less than 1.1 Liters of breath during the entire breath sampling process.

Analytical Results

Correct and appropriate instrument responses were recorded for each testing sequence conducted, including prompting additional breath samples when applicable.

Conclusion

This research study establishes that the CMI, Inc. Intoxilyzer 8000 instrumentation, with software version 8100.27, 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
Guth	34C	G3709
Guth	34C	G2407
Guth	34C	G2879
Guth	34C	G8152
Guth	34C	G11621
Guth	10-4D	SD1018
Guth	10-4D	SD1011
Guth	10-4D	SD1022
Guth	34C	G2883
Guth	34C	G2840
Guth	210021	DR1280
Guth	210021	DR1279
Guth	10-4D	SD1016
Guth	10-4D	SD1015
Guth	10-4D	SD1025

Digital Thermometers

Make	Model	Serial Number
Ertco-Eutechnics	5500	300505

External Printers

Make	Model	Serial Number
Samsung	ML1750	BAAX303958M
Brother	HL-2070N	U61230G6J169439

External Printer Switch

Make	Model	Serial Number
Belkin Bitronics	F1U126	3045341496

APPENDIX B

Alcohol Reference Solution

	0.05 g/210L (g/100mL)	0.08 g/210L (g/100mL)	0.20 g/210L (g/100mL)	0.20 g/210L (g/100mL)
Source	Alcohol Countermeasure Systems, Inc.			
Lot Number	200605B	200509B	200509C	200505C
Manufacture Date	5/4/2006	9/22/2005	9/22/2005	5/5/2005
Expiration Date	5/4/2008	9/22/2007	9/22/2007	5/5/2007
Approval Date	7/9/2006	11/17/2005	11/17/2005	6/7/2005
Target Concentration (g/100mL)	0.0605	0.0968	0.2420	0.2420
Acceptable Range (g/100mL)	0.0586 to 0.0623	0.0938 to 0.0997	0.2347 to 0.2492	0.2347 to 0.2492
1	0.0608	0.0973	0.2457	0.2468
2	0.0607	0.0976	0.2459	0.2479
3	0.0605	0.0978	0.2473	0.2485
4	0.0603	0.0987	0.2444	0.2468
5	0.0607	0.0982	0.2456	0.2474
6	0.0607	0.0972	0.2446	0.2471
7	0.0608	0.0972	0.2456	0.2482
8	0.0608	0.0980	0.2459	0.2472
9	0.0604	0.0981	0.2462	0.2480
10	0.0608	0.0976	0.2456	0.2482
11	0.0603	0.0971	0.2464	0.2472
12	0.0604	0.0973	0.2458	0.2476
13	0.0607	0.0972	0.2451	0.2483
14	0.0610	0.0968	0.2448	0.2478
15	0.0605	0.0977	0.2455	0.2479
16	0.0610	0.0972	0.2453	0.2477
17	0.0602	0.0979	0.2467	0.2489
18	0.0609	0.0970	0.2461	0.2472
19	0.0602	0.0972	0.2460	0.2476
20	0.0605	0.0973	0.2474	0.2465
Mean	0.0606	0.0975	0.2458	0.2476
Std Dev	0.0003	0.0005	0.0008	0.0006
Minimum	0.0602	0.0968	0.2444	0.2465
Maximum	0.0610	0.0987	0.2474	0.2489

Dry Gas Standard

Manufacturer	Lot Number	Expiration Date	Certified Concentration
Scott Specialty Gases, Inc.	615802I	June 9, 2008	0.080 g/210L
Scott Specialty Gases, Inc.	618801I	July 10, 2008	0.080 g/210L
Scott Specialty Gases, Inc.	518702I	July 8, 2007	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	0.079
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #1	0.204	Subject Sample #1	RFI*	Subject Sample #1	0.204
Breath Volume	1.789L	Breath Volume	0.828L	Breath Volume	1.410L
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Air Blank	0.000	Control Test	0.079	Air Blank	0.000
Subject Sample #2	0.205	Air Blank	0.000	Subject Sample #2	RFI*
Breath Volume	1.695L	Diagnostics Check	OK	Breath Volume	0.000L
Air Blank	0.000	*RFI Detect		Air Blank	0.000
Control Test	0.078			Control Test	0.079
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	0.079	Control Test	0.079
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #1	0.053*	Subject Sample #1	0.203	Subject Sample #1	VNM*
Breath Volume	1.550L	Breath Volume	1.601L	Breath Volume	0.257L
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	0.202
Breath Volume	1.648L	Breath Volume	0.265L	Breath Volume	1.968L
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	0.204*	Subject Sample #3	0.202	Subject Sample #3	0.201
Breath Volume	1.792L	Breath Volume	1.437L	Breath Volume	1.773L
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
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 (0.022 – 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	0.079	Control Test	0.079	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*
Breath Volume	0.273L	Breath Volume	1.683L	Breath Volume	1.300L
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	VNM**	Subject Sample #2	SNM*	Diagnostics Check	OK
Breath Volume	0.253L	Breath Volume	1.269L	*Slope Not Met	
Air Blank	0.000	Air Blank	0.000	*Slope Not Met	
Control Test	0.079	Control Test	0.079		
Air Blank	0.000	Air Blank	0.000		
Diagnostics Check	OK	Diagnostics Check	OK		

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

**Volume Not Met (0.019 – 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	0.078	Control Test	0.079	Control Test	0.078
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #1	0.199	Subject Sample #1	NSP*	Subject Sample #1	NSP*
Breath Volume	1.613L	Breath Volume	0.000L	Breath Volume	0.000L
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	0.200	Subject Sample #2	NSP*
Breath Volume	0.000L	Breath Volume	1.785L	Breath Volume	0.000L
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	0.199	Subject Sample #3	0.200	Subject Sample #3	NSP*
Breath Volume	1.828L	Breath Volume	1.640L	Breath Volume	0.000L
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Control Test	0.079	Control Test	0.079	Control Test	0.080
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Diagnostics Check	OK	Diagnostics Check	OK	Diagnostics Check	OK
*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	0.079	Control Test	0.079	Control Test	0.079
Air Blank	IPS*	Air Blank	0.000	Air Blank	0.000
Air Blank	0.000	Subject Sample #1	0.203	Subject Sample #1	INT*
*Improper Sample		Breath Volume	1.359L	Breath Volume	1.964L
		Air Blank	0.000	Air Blank	0.000
		Air Blank	IPS*	Control Test	0.079
		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	0.080	Control Test	0.098*	Control Test	0.079
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #1	0.200	*Control Outside Tolerance		Subject Sample #1	0.199
Breath Volume	1.167L	*Control Outside Tolerance		Breath Volume	1.562L
Air Blank	0.000	*Control Outside Tolerance		Air Blank	0.000
Air Blank	0.000	*Control Outside Tolerance		Air Blank	0.000
Subject Sample #2	INT*	*Control Outside Tolerance		Subject Sample #2	0.198
Breath Volume	1.445L	*Control Outside Tolerance		Breath Volume	1.480L
Air Blank	0.000	*Control Outside Tolerance		Air Blank	0.000
Control Test	0.079	*Control Outside Tolerance		Control Test	0.098*
Air Blank	0.000	*Control Outside Tolerance		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	0.079	Control Test	0.000*
Air Blank	0.000	Air Blank	0.000
Subject Sample #1	0.199	*Control Outside Tolerance	
Breath Volume	1.320L		
Air Blank	0.000		
Air Blank	0.000		
Subject Sample #2	0.198		
Breath Volume	1.593L		
Air Blank	0.000		
Control Test	0.000*		
Air Blank	0.000		
*Control Outside Tolerance			

APPENDIX D-1

Analytical Results

Intoxilyzer 8000 S.N. 80-001173

Procedure #1A		Procedure #2A		Procedure #3A	
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	0.198	Subject Sample #1	0.197	Subject Sample #1	VNM*
Breath Volume	2.484L	Breath Volume	1.246L	Breath Volume	0.890L
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	0.198	Subject Sample #2	VNM*	Subject Sample #2	0.194
Breath Volume	2.757L	Breath Volume	0.636L	Breath Volume	1.265L
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Control Test	0.079	Air Blank	0.000	Air Blank	0.000
Air Blank	0.000	Subject Sample #3	0.197	Subject Sample #3	0.194
Diagnostics Check	OK	Breath Volume	1.664L	Breath Volume	1.191L
		Air Blank	0.000	Air Blank	0.000
		Control Test	0.079	Control Test	0.078
		Air Blank	0.000	Air Blank	0.000
		Diagnostics Check	OK	Diagnostics Check	OK
		*Volume Not Met (0.196 – Breath Sample Not Reliable to Determine Breath Alcohol Level)			
		*Volume Not Met (0.194 – Breath Sample Not Reliable to Determine Breath Alcohol Level)			

APPENDIX D-1 (Continued)

Analytical Results Intoxilyzer 8000 S.N. 80-001173

Procedure #4A		Procedure #5A		Procedure #6A	
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	0.080	Control Test	0.079
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #1	VNM*	Subject Sample #1	VNM*	Subject Sample #1	0.198
Breath Volume	0.875L	Breath Volume	0.894L	Breath Volume	2.082L
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	VNM**	Subject Sample #2	0.194	Subject Sample #2	VNM*
Breath Volume	0.882L	Breath Volume	1.367L	Breath Volume	0.910L
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Control Test	0.079	Air Blank	0.000	Air Blank	0.000
Air Blank	0.000	Subject Sample #3	VNM**	Subject Sample #3	VNM**
Diagnostics Check	OK	Breath Volume	0.863L	Breath Volume	1.082L
*Volume Not Met (0.194 – Breath Sample Not Reliable to Determine Breath Alcohol Level)		Air Blank	0.000	Air Blank	0.000
**Volume Not Met (0.194 – Breath Sample Not Reliable to Determine Breath Alcohol Level)		Control Test	0.079	Control Test	0.079
		Air Blank	0.000	Air Blank	0.000
		Diagnostics Check	OK	Diagnostics Check	OK
*Volume Not Met (0.193 – Breath Sample Not Reliable to Determine Breath Alcohol Level)		*Volume Not Met (0.193 – Breath Sample Not Reliable to Determine Breath Alcohol Level)		*Volume Not Met (0.195 – Breath Sample Not Reliable to Determine Breath Alcohol Level)	
		**Volume Not Met (0.192 – Breath Sample Not Reliable to Determine Breath Alcohol Level)		**Volume Not Met (0.195 – Breath Sample Not Reliable to Determine Breath Alcohol Level)	

Procedure #7A		Procedure #8A			
Test	g/210L	Test	g/210L		
Diagnostic Check	OK	Diagnostics Check	OK		
Air Blank	0.000	Air Blank	0.000		
Control Test	0.078	Control Test	0.079		
Air Blank	0.000	Air Blank	0.000		
Subject Sample #1	SNM*	Subject Sample #1	0.195		
Breath Volume	1.089L	Breath Volume	1.179L		
Air Blank	0.000	Air Blank	0.000		
Control Test	0.080	Air Blank	0.000		
Air Blank	0.000	Subject Sample #2	SNM*		
Diagnostic Check	OK	Breath Volume	0.726L		
*Slope Not Met		Air Blank	0.000		
		Control Test	0.079		
		Air Blank	0.000		
		Diagnostic Check	OK		
		*Slope Not Met			

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	0.078	Control Test	0.078	Control Test	0.079
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #1	0.207	Subject Sample #1	RFI*	Subject Sample #1	0.207
Breath Volume	1.636L	Breath Volume	0.601L	Breath Volume	1.460L
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Air Blank	0.000	Control Test	0.079	Air Blank	0.000
Subject Sample #2	0.207	Air Blank	0.000	Subject Sample #2	RFI*
Breath Volume	1.199L	Diagnostics Check	OK	Breath Volume	0.000L
Air Blank	0.000	*RFI Detect		Air Blank	0.000
Control Test	0.078			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	0.078
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #1	0.054*	Subject Sample #1	0.206	Subject Sample #1	VNM*
Breath Volume	1.578L	Breath Volume	1.601L	Breath Volume	0.218L
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	0.085*	Subject Sample #2	VNM*	Subject Sample #2	0.203
Breath Volume	1.281L	Breath Volume	0.132L	Breath Volume	1.160L
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	0.207*	Subject Sample #3	0.205	Subject Sample #3	0.204
Breath Volume	1.531L	Breath Volume	1.457L	Breath Volume	2.289L
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Control Test	0.079	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 (0.204 – Breath Sample Not Reliable to Determine Breath Alcohol Level)		*Volume Not Met (0.203 – 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	0.079
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #1	VNM*	Subject Sample #1	0.204	Subject Sample #1	SNM*
Breath Volume	0.203L	Breath Volume	1.652L	Breath Volume	0.925L
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	VNM**	Subject Sample #2	SNM*	Subject Sample #2	SNM*
Breath Volume	0.242L	Breath Volume	1.140L	Breath Volume	1.140L
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
Diagnostics Check	OK	Diagnostics Check	OK	Diagnostics Check	OK

*Volume Not Met (0.204 – Breath Sample Not Reliable to Determine Breath Alcohol Level)
 **Volume Not Met (0.127 – 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	0.078	Control Test	0.079	Control Test	0.079
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #1	0.203	Subject Sample #1	NSP*	Subject Sample #1	NSP*
Breath Volume	1.378L	Breath Volume	0.000L	Breath Volume	0.000L
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	0.203	Subject Sample #2	NSP*
Breath Volume	0.000L	Breath Volume	1.722L	Breath Volume	0.000L
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	0.204	Subject Sample #3	0.201	Subject Sample #2	NSP*
Breath Volume	1.285L	Breath Volume	1.488L	Breath Volume	0.000L
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Control Test	0.079	Control Test	0.079	Control Test	0.078
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Diagnostics Check	OK	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	0.078	Control Test	0.079
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Improper Sample		Subject Sample #1	0.204	Subject Sample #1	INT
		Breath Volume	1.328L	Breath Volume	1.171L
		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	0.080	*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	0.078	Control Test	0.098*	Control Test	0.079
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #1	0.200	*Control Outside Tolerance		Subject Sample #1	0.200
Breath Volume	1.812L			Breath Volume	1.511L
Air Blank	0.000			Air Blank	0.000
Air Blank	0.000			Air Blank	0.000
Subject Sample #2	INT*			Subject Sample #2	0.200
Breath Volume	1.562L			Breath Volume	1.500L
Air Blank	0.000			Air Blank	0.000
Control Test	0.079			Control Test	0.097*
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	0.078	Control Test	0.000*
Air Blank	0.000	Air Blank	0.000
Subject Sample #1	0.200	*Control Outside Tolerance	
Breath Volume	1.273L		
Air Blank	0.000		
Air Blank	0.000		
Subject Sample #2	0.200		
Breath Volume	1.296L		
Air Blank	0.000		
Control Test	0.000*		
Air Blank	0.000		
*Control Outside Tolerance			

APPENDIX D-2

Analytical Results

Intoxilyzer 8000 S.N. 80-001175

Procedure #1A		Procedure #2A		Procedure #3A	
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	0.197	Subject Sample #1	VNM*
Breath Volume	3.988L	Breath Volume	1.156L	Breath Volume	1.074L
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	0.199	Subject Sample #2	VNM*	Subject Sample #2	0.195
Breath Volume	4.140L	Breath Volume	0.929L	Breath Volume	1.183L
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Control Test	0.078	Air Blank	0.000	Air Blank	0.000
Air Blank	0.000	Subject Sample #3	0.197	Subject Sample #3	0.195
Diagnostics Check	OK	Breath Volume	1.171L	Breath Volume	1.164L
		Air Blank	0.000	Air Blank	0.000
		Control Test	0.078	Control Test	0.079
		Air Blank	0.000	Air Blank	0.000
		Diagnostics Check	OK	Diagnostics Check	OK
		*Volume Not Met (0.195 – Breath Sample Not Reliable to Determine Breath Alcohol Level)			
		*Volume Not Met (0.194 – Breath Sample Not Reliable to Determine Breath Alcohol Level)			

APPENDIX D-2 (Continued)

Analytical Results Intoxilyzer 8000 S.N. 80-001175

Procedure #4A		Procedure #5A		Procedure #6A	
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	VNM*	Subject Sample #1	VNM*	Subject Sample #1	0.195
Breath Volume	1.070L	Breath Volume	0.746L	Breath Volume	1.203L
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	VNM**	Subject Sample #2	0.194	Subject Sample #2	VNM*
Breath Volume	1.011L	Breath Volume	1.156L	Breath Volume	1.058L
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Control Test	0.079	Air Blank	0.000	Air Blank	0.000
Air Blank	0.000	Subject Sample #3	VNM**	Subject Sample #3	VNM**
Diagnostics Check	OK	Breath Volume	0.976L	Breath Volume	1.000L
*Volume Not Met (0.194 – Breath Sample Not Reliable to Determine Breath Alcohol Level)		Air Blank	0.000	Air Blank	0.000
**Volume Not Met (0.194 – Breath Sample Not Reliable to Determine Breath Alcohol Level)		Control Test	0.079	Control Test	0.079
		Air Blank	0.000	Air Blank	0.000
		Diagnostics Check	OK	Diagnostics Check	OK
*Volume Not Met (0.192 – Breath Sample Not Reliable to Determine Breath Alcohol Level)		*Volume Not Met (0.194 – Breath Sample Not Reliable to Determine Breath Alcohol Level)		*Volume Not Met (0.194 – Breath Sample Not Reliable to Determine Breath Alcohol Level)	
**Volume Not Met (0.193 – Breath Sample Not Reliable to Determine Breath Alcohol Level)		**Volume Not Met (0.194 – Breath Sample Not Reliable to Determine Breath Alcohol Level)		**Volume Not Met (0.194 – Breath Sample Not Reliable to Determine Breath Alcohol Level)	

APPENDIX D-2 (Continued)

Analytical Results

Intoxilyzer 8000 S.N. 80-001175

Procedure #7A		Procedure #8A	
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	0.078
Air Blank	0.000	Air Blank	0.000
Subject Sample #1	VNM*	Subject Sample #1	0.194
Breath Volume	1.066L	Breath Volume	1.164L
Air Blank	0.000	Air Blank	0.000
Air Blank	0.000	Air Blank	0.000
Subject Sample #2	SNM**	Subject Sample #2	SNM*
Breath Volume	1.031L	Breath Volume	0.812L
Air Blank	0.000	Air Blank	0.000
Control Test	0.079	Control Test	0.079
Air Blank	0.000	Air Blank	0.000
Diagnostics Check	OK	Diagnostics Check	OK
*Volume Not Met (0.316 – Breath Sample Not Reliable to Determine Breath Alcohol Level)		*Slope Not Met	
**Slope Not Met			
NOTE: Slope Not Met and Volume Not Met both displayed on Subject Sample #1			

APPENDIX C-3

Analytical Results

Intoxilyzer 8000 S.N. 80-001181

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	0.080	Control Test	0.079
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #1	0.207	Subject Sample #1	RFI*	Subject Sample #1	0.205
Breath Volume	2.136L	Breath Volume	0.480L	Breath Volume	1.183L
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Air Blank	0.000	Control Test	0.080	Air Blank	0.000
Subject Sample #2	0.206	Air Blank	0.000	Subject Sample #2	RFI*
Breath Volume	1.890L	Diagnostics Check	OK	Breath Volume	0.917L
Air Blank	0.000	*RFI Detect		Air Blank	0.000
Control Test	0.079			Control Test	0.079
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	0.080	Control Test	0.080	Control Test	0.080
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #1	0.054*	Subject Sample #1	0.205	Subject Sample #1	VNM*
Breath Volume	1.398L	Breath Volume	1.421L	Breath Volume	0.332L
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	0.084*	Subject Sample #2	VNM*	Subject Sample #2	0.202
Breath Volume	1.316L	Breath Volume	0.355L	Breath Volume	1.496L
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	0.205*	Subject Sample #3	0.203	Subject Sample #3	0.203
Breath Volume	1.300L	Breath Volume	1.472L	Breath Volume	1.636L
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Control Test	0.080	Control Test	0.079	Control Test	0.079
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 (0.135 – Breath Sample Not Reliable to Determine Breath Alcohol Level)		*Volume Not Met (0.067 – Breath Sample Not Reliable to Determine Breath Alcohol Level)	

APPENDIX C-3 (Continued)

Analytical Results Intoxilyzer 8000 S.N. 80-001181

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	0.079	Control Test	0.079	Control Test	0.079
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #1	VNM*	Subject Sample #1	0.203	Subject Sample #1	SNM*
Breath Volume	0.472L	Breath Volume	1.316L	Breath Volume	1.925L
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	VNM**	Subject Sample #2	SNM*	Subject Sample #2	0.080
Breath Volume	0.230L	Breath Volume	1.785L	Breath Volume	0.000
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
Diagnostics Check	OK	Diagnostics Check	OK	Diagnostics Check	OK

*Volume Not Met (0.192 – Breath Sample Not Reliable to Determine Breath Alcohol Level)
**Volume Not Met (0.032 – 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	0.080	Control Test	0.080	Control Test	0.080
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #1	0.203	Subject Sample #1	NSP*	Subject Sample #1	NSP*
Breath Volume	1.171L	Breath Volume	0.000L	Breath Volume	0.000L
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	0.203	Subject Sample #2	NSP*
Breath Volume	0.000L	Breath Volume	1.402L	Breath Volume	0.000L
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	0.202	Subject Sample #3	0.201	Subject Sample #3	0.080
Breath Volume	1.214L	Breath Volume	1.160L	Breath Volume	0.000
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Control Test	0.079	Control Test	0.080	Control Test	0.080
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Diagnostics Check	OK	Diagnostics Check	OK	Diagnostics Check	OK
*No Sample Provided		*No Sample Provided		*No Sample Provided	

APPENDIX C-3 (Continued)

Analytical Results Intoxilyzer 8000 S.N. 80-001181

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	0.079	Control Test	0.080	Control Test	0.080
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Reference	IPS*	Subject Sample #1	0.199	Subject Sample #1	INT*
Air Blank	0.000	Breath Volume	1.464L	Breath Volume	1.816L
*Improper Sample		Air Blank	0.000	Air Blank	0.000
		Air Blank	0.000	Control Test	0.080
		Reference	IPS*	Air Blank	0.000
		Air Blank	0.000	Diagnostics Check	OK
		Control Test	0.080	*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	0.104*	Control Test	0.080
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #1	0.199	*Control Outside Tolerance		Subject Sample #1	0.200
Breath Volume	1.402L			Breath Volume	1.195L
Air Blank	0.000			Air Blank	0.000
Air Blank	0.000			Air Blank	0.000
Subject Sample #2	INT*			Subject Sample #2	0.200
Breath Volume	1.250L			Breath Volume	1.953L
Air Blank	0.000			Air Blank	0.000
Control Test	0.080			Control Test	0.104*
Air Blank	0.000			Air Blank	0.000
Diagnostics Check	OK			*Control Outside Tolerance	
*Interferent Detect					

APPENDIX C-3 (Continued)

Analytical Results Intoxilyzer 8000 S.N. 80-001181

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	0.199	*Control Outside Tolerance	
Breath Volume	1.429L		
Air Blank	0.000		
Air Blank	0.000		
Subject Sample #2	0.198		
Breath Volume	1.214L		
Air Blank	0.000		
Control Test	0.000*		
Air Blank	0.000		
*Control Outside Tolerance			

APPENDIX D-3

Analytical Results

Intoxilyzer 8000 S.N. 80-001181

Procedure #1A		Procedure #2A		Procedure #3A	
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	0.080	Control Test	0.080	Control Test	0.079
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #1	0.199	Subject Sample #1	0.197	Subject Sample #1	VNM*
Breath Volume	1.257L	Breath Volume	1.171L	Breath Volume	0.777L
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	0.199	Subject Sample #2	VNM*	Subject Sample #2	0.196
Breath Volume	2.796L	Breath Volume	0.652L	Breath Volume	1.246L
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Control Test	0.080	Control Test	0.080	Control Test	0.079
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Diagnostics Check	OK	Diagnostics Check	OK	Diagnostics Check	OK
*Volume Not Met (0.193 – Breath Sample Not Reliable to Determine Breath Alcohol Level)					
*Volume Not Met (0.196 – Breath Sample Not Reliable to Determine Breath Alcohol Level)					

APPENDIX D-3 (Continued)

Analytical Results Intoxilyzer 8000 S.N. 80-001181

Procedure #4A		Procedure #5A		Procedure #6A	
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	0.080	Control Test	0.080	Control Test	0.080
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Subject Sample #1	VNM*	Subject Sample #1	VNM*	Subject Sample #1	0.194
Breath Volume	0.515L	Breath Volume	0.460L	Breath Volume	1.625L
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	VNM**	Subject Sample #2	0.196	Subject Sample #2	VNM*
Breath Volume	0.484L	Breath Volume	1.238L	Breath Volume	1.050L
Air Blank	0.000	Air Blank	0.000	Air Blank	0.000
Control Test	0.080	Air Blank	0.000	Air Blank	0.000
Air Blank	0.000	Subject Sample #3	VNM**	Subject Sample #3	VNM**
Diagnostics Check	OK	Breath Volume	0.402L	Breath Volume	0.972L
*Volume Not Met (0.195 – Breath Sample Not Reliable to Determine Breath Alcohol Level)		Air Blank	0.000	Air Blank	0.000
**Volume Not Met (0.196 – Breath Sample Not Reliable to Determine Breath Alcohol Level)		Control Test	0.080	Control Test	0.079
		Air Blank	0.000	Air Blank	0.000
		Diagnostics Check	OK	Diagnostics Check	OK
		*Volume Not Met (0.190 – Breath Sample Not Reliable to Determine Breath Alcohol Level)		*Volume Not Met (0.193 – Breath Sample Not Reliable to Determine Breath Alcohol Level)	
		**Volume Not Met (0.186 – Breath Sample Not Reliable to Determine Breath Alcohol Level)		**Volume Not Met (0.193 – Breath Sample Not Reliable to Determine Breath Alcohol Level)	

APPENDIX D-3 (Continued)

Analytical Results Intoxilyzer 8000 S.N. 80-001181

Procedure #7A		Procedure #8A	
Test	g/210L	Test	g/210L
Diagnostic Check	OK	Diagnostics Check	OK
Air Blank	0.000	Air Blank	0.000
Control Test	0.079	Control Test	0.080
Air Blank	0.000	Air Blank	0.000
Subject Sample #1	SNM*	Subject Sample #1	0.053
Breath Volume	1.000L	Breath Volume	1.179L
Air Blank	0.000	Air Blank	0.000
Control Test	0.080	Air Blank	0.000
Air Blank	0.000	Subject Sample #2	SNM*
Diagnostic Check	OK	Breath Volume	0.945L
*Slope Not Met		Air Blank	0.000
		Control Test	0.079
		Air Blank	0.000
		Diagnostic Check	OK
*Slope Not Met			
NOTE: A 0.05 g/210L simulator was inadvertently used to provide the first breath sample.			