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: October 31, 2007

SUBJECT: CMI, Inc. Intoxilyzer 8000 Instrumentation Research Study – January 2007

Attached you will find the CMI, Inc. Intoxilyzer 8000 Instrumentation Research Study Report prepared on October 31, 2007. The report was generated using data obtained during the study conducted on January 10 through 12, 2007. This research study established the following:

- The CMI, Inc. Intoxilyzer 8000 instrumentation, with software versions 8100.26 and 8100.27, produces quantitatively accurate and reliable breath alcohol test results when valid breath samples are received;
- The Intoxilyzer 8000, using software version 8100.26, provides correct and appropriate responses to alternative breath test sequence factors and scenarios as presented in this research study, with one exception. The Intoxilyzer 8000, using software version 8100.26, does not correctly identify breath samples that are less than 1.1 Liters of breath volume and are provided at and through three minutes as VOLUME NOT MET;
- The Intoxilyzer 8000, using software version 8100.27, provides correct and appropriate responses to alternative breath test sequence factors and scenarios as presented in this research study regardless of breath volume, delivery of the breath sample at and through three minutes or whether the sample is the first, second or third breath sample;
- Any breath sample of insufficient volume, whether properly flagged or not, did not produce a quantitative breath alcohol result greater than the acceptable range of the known standard used to present the breath sample;
- Calibration of an Intoxilyzer 8000 is not necessary when changing from software version 8100.26 to 8100.27; and
- The Intoxilyzer 8000, using software versions 8100.26 and 8100.27, will enter DISABLE MODE when 150 breath tests have been conducted without an upload of the data.

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

Report Prepared October 31, 2007

January 10, 11 and 12, 2007
Tallahassee, Florida

January 2007 CMI, Inc. Intoxilyzer 8000
Instrumentation Research Study Report

Purpose

The purpose of this research study is to assess the instrument responses of the Intoxilyzer 8000 breath test instrument, using software version 8100.26 or software version 8100.27, to alternative breath test sequence factors and situations; to demonstrate that calibration of the Intoxilyzer 8000 is not necessary when changing from software version 8100.26 to 8100.27; and to demonstrate that the Intoxilyzer 8000, using software version 8100.26 and 8100.27, will enter DISABLE MODE when 150 breath tests have been conducted without an upload of the data.

Testing Location and Operating Conditions

Testing Location: Pat Thomas Law Enforcement Academy
85 Academy Drive
Havana, FL 32333

Florida Department of Law Enforcement
1819 Miccosukee Commons Boulevard
Tallahassee, FL 32308

Operating Conditions: Indoors, 65 - 73^0 F

FDLE Personnel Present

Laura D. Barfield, Program Manager
Matthew E. Malhiot, Department Inspector
Roger G. Skipper, Department Inspector
Donald P. Suereth, Department Inspector
Dwite N. Hackney, Department Inspector
George L. Venturi, Department Inspector
Sandra F. Veiga, Department Inspector-In-Training
Margaret M. Geddings, Department Inspector-In-Training

Instrumentation Used

The following Intoxilyzer 8000 breath test instruments were provided on loan by the manufacturer, CMI, Inc. These instruments were received by the Alcohol Testing Program, along with a Certificate of Calibration for each, on January 8, 2007, via Federal Express.

- **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.

The following Intoxilyzer 8000 breath test instruments were only used to conduct 150 breath tests.

- CMI, Inc. Intoxilyzer 8000, Serial Number 80-000747, using software version 8100.26
- CMI, Inc. Intoxilyzer 8000, Serial Number 80-000220, using software version 8100.27

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 or 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 ± 0.2C and had air leak resistant seals. The make, model and serial number of each simulator is outlined in Appendix A.

Digital Thermometer

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

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 and Solutions

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-C, 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.

Stop Watches

Three (3) commercially purchased stop watches were used during portions of this research study. The make and model are of each stop watch is outlined in Appendix A.

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.).

COBRA and Laptop Computer

COBRA is a software program used to upload and/or download information to and from the Intoxilyzer 8000 using either a phone line or a direct connection with a laptop computer. COBRA is also a database program used to store the uploaded information. The laptop computer contains the COBRA software and is connected directly to the RS232 serial port on the Intoxilyzer 8000.

Procedures

The following breath test sequences were conducted using Intoxilyzer 8000 instrumentation containing software version 8100.26 and the same Intoxilyzer 8000 instrumentation containing

software version 8100.27, 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 by providing the sample through the breath tube.

1. Breath Test Sequence Evaluating Decreasing Slope Detection During First Breath Sample Provided At and Through Three (3) Minutes
   - Rinse mouth with mouth alcohol solution and provide the first breath sample when PROVIDE SAMPLE NOW is displayed. Begin providing the breath sample at approximately two (2) minutes and fifty-five (55) seconds and continue providing the breath sample past three (3) minutes.
2. Breath Test Sequence Evaluating Decreasing Slope Detection During Second Breath Sample Provided at and Through Three (3) Minutes
   - Use a 0.08 g/210L simulator to provide the first breath sample when PROVIDE SAMPE NOW is displayed.
   - Rinse mouth with mouth alcohol solution and provide the second breath sample, if prompted, when PROVIDE SAMPLE NOW is displayed. Begin providing the breath sample at approximately two (2) minutes and fifty-five (55) seconds and continue providing the breath sample past three (3) minutes.
3. Breath Test Sequence Evaluating Decreasing Slope Detection During Third Breath Sample Provided At and Through Three (3) Minutes
   - Use a 0.08 g/210L simulator to provide the first breath sample when PROVIDE SAMPLE NOW is displayed.
   - Use a 0.05 g/210L simulator to provide the second breath sample, if prompted, when PROVIDE SAMPLE NOW is displayed.
   - Rinse mouth with mouth alcohol solution and provide the third breath sample, if prompted, when PROVIDE SAMPLE NOW is displayed. Begin providing the breath sample at approximately two (2) minutes and fifty-five (55) seconds and continue providing the breath sample past three (3) minutes.
4. Breath Test Sequence Evaluating Detection of Acetone Interferent During First Breath Sample Provided At and Through Three (3) Minutes
   - Use a 0.08 g/210L simulator containing three (3) mL acetone stock solution to provide the first breath sample when PROVIDE SAMPLE NOW is displayed. Begin providing the breath sample at approximately two (2) minutes and fifty-five (55) seconds and continue providing the breath sample past three (3) minutes.
5. Breath Test Sequence Evaluating Detection of Acetone Interferent During Second Breath Sample Provided At and Through Three (3) Minutes
   - Use a 0.08 g/210L simulator to provide the first breath sample when PROVIDE SAMPLE NOW is displayed.
   - Use a 0.08 g/210L simulator containing three (3) mL acetone stock solution to provide the second breath sample, if prompted, when PROVIDE SAMPLE NOW is displayed. Begin providing the breath sample at approximately two (2) minutes and fifty-five (55) seconds and continue providing the breath sample past three (3) minutes.
6. Breath Test Sequence Evaluating Detection of Acetone Interferent During Third Breath Sample Provided At and Through Three (3) Minutes

- Use a 0.08 g/210L simulator to provide the first breath sample when PROVIDE SAMPLE NOW is displayed.
- Use a 0.05 g/210L simulator to provide the second breath sample, if prompted, when PROVIDE SAMPLE NOW is displayed.
- Use a 0.08 g/210L simulator containing three (3) mL acetone stock solution to provide the third breath sample, if prompted, when PROVIDE SAMPLE NOW is displayed. Begin providing the breath sample at approximately two (2) minutes and fifty-five (55) seconds and continue providing the breath sample past three (3) minutes.

7. Breath Test Sequence Evaluating 0.020 Agreement in Breath Samples Provided At and Through Three (3) Minutes
   - Use an Alcohol Free Subject Breath Sample to provide the first breath sample when PROVIDE SAMPLE NOW is displayed. Begin providing the breath sample at approximately two (2) minutes and fifty-five (55) seconds and continue providing the breath sample past three (3) minutes.
   - Use a 0.05 g/210L simulator to provide the second breath sample, if prompted, when PROVIDE SAMPLE NOW is displayed. Begin providing the breath sample at approximately two (2) minutes and fifty-five (55) seconds and continue providing the breath sample past three (3) minutes.
   - Use a 0.08 g/210L simulator to provide the third breath sample, if prompted, when PROVIDE SAMPLE NOW is displayed. Begin providing the breath sample at approximately two (2) minutes and fifty-five (55) seconds and continue providing the breath sample past three (3) minutes.
8. Breath Test Sequence Evaluating RFI Detection During First Breath Sample Provided At and Through Three (3) Minutes
   - Use a 0.08 g/210L simulator to provide the first breath sample when PROVIDE SAMPLE NOW is displayed and key a hand-held radio transmitter while providing this breath sample. Begin providing the breath sample at approximately two (2) minutes and fifty-five (55) seconds and continue providing the breath sample past three (3) minutes.
9. Breath Test Sequence Evaluating RFI Detection During Second Breath Sample Provided At and Through Three (3) Minutes
   - Use a 0.08 g/210L simulator to provide the first breath sample when PROVIDE SAMPLE NOW is displayed.
   - Use a 0.08 g/210L simulator to provide the second breath sample, if prompted, when PROVIDE SAMPLE NOW is displayed and key a hand-held radio transmitter while providing this breath sample. Begin providing the breath sample at approximately two (2) minutes and fifty-five (55) seconds and continue providing the breath sample past three (3) minutes.
10. Breath Test Sequence Evaluating RFI Detection During Third Breath Sample Provided At and Through Three (3) Minutes
    - Use a 0.08 g/210L simulator to provide the first breath sample when PROVIDE SAMPLE NOW is displayed.
    - Use a 0.05 g/210L simulator to provide the second breath sample, if prompted, when PROVIDE SAMPLE NOW is displayed.
    - Use a 0.08 g/210L simulator to provide the third breath sample, if prompted, when PROVIDE SAMPLE NOW is displayed and key a hand-held radio transmitter while providing this breath sample. Begin providing the breath sample at approximately two (2) minutes and fifty-five (55) seconds and continue providing the breath sample past three (3) minutes.

11. Breath Test Sequence Evaluating Insufficient Breath Volume During First Breath Sample Provided At and Through Three (3) Minutes
    - Use a 0.08 g/210L simulator to provide the first breath sample for approximately two (2) seconds when PROVIDE SAMPLE NOW is displayed. Begin providing the breath sample at approximately two (2) minutes and fifty-five (55) seconds and continue providing the breath sample past three (3) minutes.
    - Use a 0.08 g/210L simulator to provide the second breath sample, if prompted, when PROVIDE SAMPLE NOW is displayed
    - Do not provide a third breath sample, if prompted, when PROVIDE SAMPLE NOW is displayed.
12. Breath Test Sequence Evaluating Insufficient Breath Volume During Second Breath Sample Provided At and Through Three (3) Minutes
    - Use a 0.08 g/210L simulator to provide the first breath sample when PROVIDE SAMPLE NOW is displayed.
    - Use a 0.08 g/210L simulator to provide the second breath sample, if prompted, for approximately two (2) seconds when PROVIDE SAMPLE NOW is displayed. Begin providing the breath sample at approximately two (2) minutes and fifty-five (55) seconds and continue providing the breath sample past three (3) minutes.
    - Use a 0.05 g/210L simulator to provide the third breath sample, if prompted, when PROVIDE SAMPLE NOW is displayed.
13. Breath Test Sequence Evaluating a Breath Sample Introduced at an Improper Time After the Third Breath Sample and 0.020 Agreement Between the Breath Samples Provided
    - Use an Alcohol Free Subject Breath Sample to provide the first breath sample when PROVIDE SAMPLE NOW is displayed.
    - Use a 0.05 g/210L simulator to provide the second breath sample, if prompted, when PROVIDE SAMPLE NOW is displayed.
    - Use a 0.08 g/210L simulator to provide the third breath sample, if prompted, when PROVIDE SAMPLE NOW is displayed.
    - Use an Alcohol Free Subject Breath Sample to provide a breath sample during the Air Blank following the third breath sample.
14. Breath Test Sequence Evaluating 0.020 Agreement and Subject Test Refused During the Third Breath Sample
    - Use a 0.05 g/210L simulator to provide the first breath sample when PROVIDE SAMPLE NOW is displayed.
    - Use a 0.08 g/210L simulator to provide the second breath sample, if prompted, when PROVIDE SAMPLE NOW is displayed.
    - Press the “R” key on the keyboard during the third breath sample, if prompted, when PROVIDE SAMPLE NOW is displayed.
15. Breath Test Sequence Evaluating 0.020 Agreement and Second Control Outside Tolerance
    - Use a 0.08 g/210L simulator to provide the first sample for approximately two (2) seconds when PROVIDE SAMPLE NOW is displayed.
    - Use a 0.05 g/210L simulator to provide the second breath sample, if prompted, when PROVIDE SAMPLE NOW is displayed.
    - Use a 0.08 g/210L simulator to provide the third breath sample, if prompted, when PROVIDE SAMPLE NOW is displayed.
    - Disconnect the dry gas standard cylinder after providing the third breath sample.
16. Breath Test Sequence Evaluating 0.020 Agreement and Insufficient Breath Volume During First Breath Sample

- Use a 0.08 g/210L simulator to provide the first breath sample for approximately two (2) seconds when PROVIDE SAMPLE NOW is displayed.
- Use a 0.08 g/210L simulator to provide the second breath sample, if prompted, when PROVIDE SAMPLE NOW is displayed.
- Use a 0.05 g/210L simulator to provide the third breath sample, if prompted, when PROVIDE SAMPLE NOW is displayed.

17. Breath Test Sequence Evaluating Insufficient Breath Volume During First and Second Breath Samples Provided At and Through Three (3) Minutes and Insufficient Breath Volume During Third Breath Sample, If Requested
    - Use a 0.08 g/210L simulator to provide the first breath sample for approximately two (2) seconds when PROVIDE SAMPLE NOW is displayed. Begin providing the breath sample at approximately two (2) minutes and fifty-five (55) seconds and continue providing the breath sample past three (3) minutes.
    - Use a 0.05 g/210L simulator to provide the second breath sample, if prompted, for approximately two (2) seconds when PROVIDE SAMPLE NOW is displayed. Begin providing the breath sample at approximately two (2) minutes and fifty-five (55) seconds and continue providing the breath sample past three (3) minutes.
    - Use a 0.08 g/210L simulator to provide the third breath sample, if prompted, for approximately two (2) seconds when PROVIDE SAMPLE NOW is displayed.
18. Breath Test Sequence Evaluating Insufficient Breath Volume During First Breath Sample Provided At and Through Three (3) Minutes, and No Second Sample
    - Use a 0.08 g/210L simulator to provide the first breath sample for approximately two (2) seconds when PROVIDE SAMPLE NOW is displayed. Begin providing the breath sample at approximately two (2) minutes and fifty-five (55) seconds and continue providing the breath sample past three (3) minutes.
    - Do not provide a second breath sample, if prompted, when PROVIDE SAMPLE NOW is displayed.
    - Use a 0.05 g/210L simulator to provide the third breath sample, if prompted, when PROVIDE SAMPLE NOW is displayed.
19. Breath Test Sequence Evaluating Insufficient Breath Volume During First Breath Sample (Alcohol Result with Zero Breath Volume)
    - Use a 0.08 g/210L simulator to provide the first breath sample for approximately two (2) seconds when PROVIDE SAMPLE NOW is displayed. After providing the above sample, provide an additional strong puff of breath when the instrument displays PROVIDE SAMPLE NOW.
    - Press the “R” key on the keyboard during the second breath sample, if prompted, when PROVIDE SAMPLE NOW is displayed.
20. Breath Test Sequence Evaluating Insufficient Breath Volume During Second Breath Sample (Alcohol Result with Zero Breath Volume)
    - Use a 0.08 g/210L simulator to provide the first breath sample when PROVIDE SAMPLE NOW is displayed.
    - Use a 0.08 g/210L simulator to provide the second breath sample, if prompted, for approximately two (2) seconds when PROVIDE SAMPLE NOW is displayed. After providing the above sample, provide an additional strong puff of breath when the instrument displays PROVIDE SAMPLE NOW.
    - Press the “R” key on the keyboard during the third breath sample, if prompted, when PROVIDE SAMPLE NOW is displayed.

21. Breath Test Sequence Evaluating Insufficient Breath Volume During Third Breath Sample (Alcohol Result with Zero Breath Volume)
    - Use a 0.08 g/210L simulator to provide the first breath sample when PROVIDE SAMPLE NOW is displayed.
    - Use a 0.05 g/210L simulator to provide the second breath sample, if prompted, when PROVIDE SAMPLE NOW is displayed.
    - Use a 0.08 g/210L simulator to provide the third breath sample, if prompted, for approximately two (2) seconds when PROVIDE SAMPLE NOW is displayed. After providing the above sample, provide an addition strong puff of breath when the instrument displays PROVIDE SAMPLE NOW.

Additionally, Intoxilyzer 8000 serial number 80-000220, using software version 8100.27, and 80-000747, using software version 8100.26, were used to conduct a total of 150 breath tests on each instrument in accordance with FDLE/ATP Form 37 Operational Procedures – Intoxilyzer 8000.

Analytical Results and Discussion
All results of analyses for the above procedures are outlined in Appendix C.

Update to Software Revision without Calibration
During this research study, software version 8100.26 and 8100.27 were changed without re-calibration of the Intoxilyzer 8000 breath test instruments. The analytical results remained accurate throughout the entire study.

Procedure One
Breath Test Sequence Evaluating Decreasing Slope Detection During First Breath Sample Provided At and Through Three (3) Minutes
The appropriate instrument response for this scenario is SLOPE NOT MET for the first breath sample. No additional breath samples should be requested

The Intoxilyzer 8000 breath test instrumentation provided the correct instrument response – SLOPE NOT MET for the first breath sample, regardless of the following:
- Software version;
- Breath Samples less than or greater than 1.1 Liters; or
- Delivery of the breath sample at and through three (3) minutes.

Procedure Two
Breath Test Sequence Evaluating Decreasing Slope Detection During Second Breath Sample Provided At and Through Three (3) Minutes
The appropriate instrument response for this scenario is a breath alcohol result between 0.075 and 0.085 g/210L for the first breath sample, and SLOPE NOT MET for the second breath sample. A third breath sample should not be requested.

The Intoxilyzer 8000 breath test instrumentation provided the correct instrument response – SLOPE NOT MET for the second breath sample, regardless of the following:
- Software version;
- Breath Samples less than or greater than 1.1 Liters; or
- Delivery of the breath sample at and through three (3) minutes.

Procedure Three

Breath Test Sequence Evaluating Decreasing Slope Detection During Third Breath Sample Provided At and Through Three (3) Minutes

The appropriate instrument response for this scenario is a breath alcohol result between 0.075 and 0.085 g/210L for the first breath sample, a breath alcohol result between 0.045 and 0.055 g/210L for the second breath sample, and SLOPE NOT MET for the third breath sample.

The Intoxilyzer 8000 breath test instrumentation provided the correct instrument response – SLOPE NOT MET for the third breath sample, regardless of the following:

- Software version;
- Breath Samples less than or greater than 1.1 Liters; or
- Delivery of the breath sample at and through three (3) minutes.

Procedure Four

Breath Test Sequence Evaluating Detection of Acetone Interferent During First Breath Sample Provided At and Through Three (3) Minutes

The appropriate instrument response for this scenario is INTERFERENT DETECT for the first breath sample. No additional breath samples should be requested.

The Intoxilyzer 8000 breath test instrumentation provided the correct instrument response – INTERFERENT DETECT for the first breath sample, regardless of the following:

- Software version; or
- Delivery of the breath sample at and through three (3) minutes.

Procedure Five

Breath Test Sequence Evaluating Detection of Acetone Interferent During Second Breath Sample Provided At and Through Three (3) Minutes

The appropriate instrument response for this scenario is a breath alcohol result between 0.075 and 0.085 g/210L for the first breath sample, and INTERFERENT DETECT for the second breath sample. A third breath sample should not be requested.

The Intoxilyzer 8000 breath test instrumentation provided the correct instrument response – INTERFERENT DETECT for the second breath sample, regardless of the following:

- Software version;
- Breath Samples less than or greater than 1.1 Liters; or
- Delivery of the breath sample at and through three (3) minutes.

Procedure Six

Breath Test Sequence Evaluating Detection of Acetone Interferent During Third Breath Sample Provided At and Through Three (3) Minutes

The appropriate instrument response for this scenario is a breath alcohol result between 0.075 and 0.085 g/210L for the first breath sample, a breath alcohol result between 0.045 and 0.055 g/210L for the second breath sample, and INTERFERENT DETECT for the third breath sample.

The Intoxilyzer 8000 breath test instrumentation provided correct instrument responses, including INTERFERENT DETECT for the third breath sample, regardless of the following:

- Software version; or
- Delivery of the breath sample at and through three (3) minutes.

Procedure Seven
Breath Test Sequence Evaluating 0.020 Agreement in Breath Samples Provided At and Through Three (3) Minutes
The appropriate instrument response for this scenario is a breath alcohol result of 0.000 g/210L for the first breath sample, a breath alcohol result between 0.045 and 0.055 g/210L for the second breath sample, and a breath alcohol result between 0.075 and 0.085 g/210L for the third breath sample. All breath sample should be flagged NO .020 AGREEMENT.

The Intoxilyzer 8000 breath test instrument provided the correct instrument response – NO .020 AGREEMENT for all of the breath samples provided, regardless of the following:

- Software version; or
- Delivery of the breath sample at and through three (3) minutes.

It is important to note that the test results for 80-001181 with software version 8100.26 had the second sample (which was provided at and through three (3) minutes) that did not meet volume. Although the instrument did not properly flag this sample as VOLUME NOT MET (no software instructions in version 8100.26 for this situation), it did properly flag the sample as NO .020 AGREEMENT and the result was quantitatively accurate.

Procedures Eight
Breath Test Sequence Evaluating RFI Detection During First Breath Sample Provided At and Through Three (3) Minutes
The appropriate instrument response for this scenario is RFI DETECT for the first breath sample. No additional breath samples should be requested.

The Intoxilyzer 8000 breath test instrumentation provided the correct instrument response – RFI DETECT for the first breath sample, regardless of the following:

- Software version;
- Breath Samples less than or greater than 1.1 Liters; or
- Delivery of the breath sample at and through three (3) minutes.

Procedures Nine
Breath Test Sequence Evaluating RFI Detection During Second Breath Sample Provided At and Through Three (3) Minutes
The appropriate instrument response for this scenario is a breath alcohol result between 0.075 and 0.085 g/210L for the first breath sample, and RFI DETECT for the second breath sample. A third breath sample should not be requested.

The Intoxilyzer 8000 breath test instrumentation provided the correct instrument response – RFI DETECT for the second breath sample, regardless of the following:

- Software version;
- Breath Samples less than or greater than 1.1 Liters; or
- Delivery of the breath sample at and through three (3) minutes.

Procedures Ten
Breath Test Sequence Evaluating RFI Detection During Third Breath Sample Provided At and Through Three (3) Minutes

The appropriate instrument response for this scenario is a breath alcohol result between 0.075 and 0.085 g/210L for the first breath sample, a breath alcohol result between 0.045 and 0.055 g/210L for the second breath sample, and RFI DETECT for the third breath sample.

The Intoxilyzer 8000 breath test instrumentation provided the correct instrument response – RFI DETECT for the third breath sample, regardless of the following:

- Software version;
- Breath Samples less than or greater than 1.1 Liters; or
- Delivery of the breath sample at and through three (3) minutes.

Procedure Eleven

Breath Test Sequence Evaluating Insufficient Breath Volume During First Breath Sample Provided At and Through Three (3) Minutes

The correct instrument response for this scenario is VOLUME NOT MET for the first breath sample, a breath alcohol result between 0.075 and 0.085 g/210L for the second breath sample, and NO SAMPLE PROVIDED for the third breath sample.

The correct instrument response for this scenario was not achieved using software version 8100.26. All three instruments produced results that appeared to be valid breath test results for the first breath sample and a third breath sample was not requested. The instrument should have flagged the first breath sample as VOLUME NOT MET. This message on the first breath sample was not achieved due to the missing software instructions in software version 8100.26. There were no instructions for the instrument to go back and look at the volume of a sample provided at and through three (3) minutes. It is important to note that the quantitative results obtained from the first breath sample were within the acceptable range for the 0.08 g/210L simulator used to provide the breath sample. No results for the first breath sample were higher than expected.

The correct instrument response for this scenario was achieved using software version 8100.27. It is also important to note that the quantitative results for the first breath sample flagged VOLUME NOT MET were either lower than expected or within acceptable range for the 0.08 g/210L simulator used to provide the breath sample. No results for the first breath sample were higher than expected.

Procedure Twelve

Breath Test Sequence Evaluating Insufficient Breath Volume During Second Breath Sample Provided At and Through Three (3) Minutes

The correct instrument response for this scenario is a breath alcohol result between 0.075 and 0.085 g/210L for the first breath sample, VOLUME NOT MET for the second breath sample, and a breath alcohol result between 0.045 and 0.055 g/210L for the third breath sample. The first and third breath samples should be flagged NO .020 AGREEMENT.

The correct instrument response for this scenario was not achieved using software version 8100.26. All three instruments produced results that appeared to be valid breath test results for the second breath sample and a third breath sample was not requested. The instrument should have flagged the second breath sample as VOLUME NOT MET. This message on the second breath sample was not achieved due to the missing software instructions in software version 8100.26. There were no instructions for the instrument to go back and look at the volume of a sample provided at and through three (3) minutes. It is important to note that the quantitative results obtained from the second breath sample were either lower than or within the acceptable

range for the 0.08 g/210L simulator used to provide the breath sample. No results for the second breath sample were higher than expected. Additionally, the first and third breath samples were not flagged NO .020 AGREEMENT because a third breath sample was not requested.

The correct instrument response for this scenario was achieved using software version 8100.27. It is also important to note that the quantitative results for the second breath sample flagged VOLUME NOT MET were within acceptable range for the 0.08 g/210L simulator used to provide the breath sample. No results for the second breath sample were higher than expected.

Procedure Thirteen

Breath Test Sequence Evaluating a Breath Sample Introduced at an Improper Time After the Third Breath Sample and 0.020 Agreement Between the Breath Samples Provided

The correct instrument response for this scenario is a breath alcohol result of 0.000 g/210L for the first breath sample, a breath alcohol result between 0.045 and 0.055 g/210L for the second breath sample, and a breath alcohol result between 0.075 and 0.085 g/210L for the third breath sample. IMPROPER SAMPLE should be flagged during an air blank after the third breath sample. A second control test and diagnostics check will not be conducted. Due to the IMPROPER SAMPLE message received during the breath test sequence, none of the three breath samples provided will be flagged NO .020 AGREEMENT.

The Intoxilyzer 8000 breath test instrumentation provided the correct instrument response for this scenario, regardless of the software version.

Procedure Fourteen

Breath Test Sequence Evaluating 0.020 Agreement and Subject Test Refused During the Third Breath Sample

The correct instrument response for this scenario is a breath alcohol result between 0.045 and 0.055 g/210L for the first breath sample, a breath alcohol result between 0.075 and 0.085 for the second breath sample, and SUBJECT TEST REFUSED for the third breath sample. Due to the SUBJECT TEST REFUSED messaged received on the third breath sample, the first and second breath samples will not be flagged No .020 AGREEMENT.

The Intoxilyzer 8000 breath test instrumentation provided the correct instrument response for this scenario regardless of the software version.

Procedure Fifteen

Breath Test Sequence Evaluating 0.020 Agreement and Second Control Test Outside Tolerance

The correct instrument response for this scenario is VOLUME NOT MET for the first breath sample, a breath alcohol result between 0.045 and 0.055 g/210L for the second breath sample, a breath alcohol result between 0.075 and 0.085 g/210L for the third breath sample, and CONTROL OUTSIDE TOLERANCE for the second control test. Due to CONTROL OUTSIDE TOLERANCE received on the second control test, the second and third breath samples will not be flagged NO .020 AGREEMENT.

The Intoxilyzer 8000 breath test instrumentation provided the correct instrument response for this scenario regardless of the software version.

Additionally, this procedure demonstrated that the Intoxilyzer 8000, regardless of software version, correctly responded to the insufficient breath volume provided with the first breath sample. The procedure further demonstrated that the VOLUME NOT MET issue with version 8100.26 is limited to samples provided at and through three (3) minutes. It is also important to note that the quantitative results obtained from the first breath sample were either lower than expected or within the acceptable range for the 0.08 g/210L simulator used to provide the breath sample. No results for the first breath sample were higher than expected.

Procedure Sixteen
Breath Test Sequence Evaluating 0.020 Agreement and Insufficient Breath Volume During First Breath Sample

The correct instrument response for this scenario is VOLUME NOT MET for the first breath sample, a breath alcohol result between 0.075 and 0.085 g/210L for the second breath sample, a breath alcohol result between 0.045 and 0.055 g/210L for the third breath sample. The second and third breath samples should be flagged NO .020 AGREEMENT.

The Intoxilyzer 8000 breath test instrumentation provided the correct instrument response for this scenario regardless of the software version.

Additionally, this procedure demonstrated that the Intoxilyzer 8000, regardless of software version, correctly responded to the insufficient breath volume provided with the first breath sample. The procedure further demonstrated that the VOLUME NOT MET issue with version 8100.26 is limited to samples provided at and through three (3) minutes. It is also important to note that the quantitative results obtained from the first breath sample were either lower than expected or within the acceptable range for the 0.08 g/210L simulator used to provide the breath sample. No results for the first breath sample were higher than expected.

Procedure Seventeen
Breath Test Sequence Evaluating Insufficient Breath Volume During First and Second Breath Samples Provided At and Through Three (3) Minutes and Insufficient Breath Volume During Third Breath Sample, If Requested

The correct instrument response for this scenario is VOLUME NOT MET for the first breath sample, VOLUME NOT MET for the second breath sample, and no request for the third breath sample.

The correct instrument response for this situation was not achieved using software version 8100.26. Intoxilyzer 8000 serial number 80-001173 produced results that appeared to be valid breath test results and a third breath sample was not requested because there was a 0.020 agreement between the samples provided. Intoxilyzer 8000 serial numbers 80-001175 and 80-001181 did not flag the first and second breath samples as VOLUME NOT MET, but did flag them as NO .020 AGREEMENT and a third breath sample was requested. The third breath sample for these two instruments was properly flagged VOLUME NOT MET. The instruments should have flagged the first and second breath samples as VOLUME NOT MET and not requested a third breath sample. The VOLUME NOT MET message for the first and second breath samples was not achieved due to the missing software instructions in software version 8100.26. There were no instructions for the instrument to go back and look at the volume of a sample provided at and through three (3) minutes. It is important to note that the quantitative results obtained from the first, second and third breath samples were either lower than expected or within the acceptable

range for the 0.08 g/210L simulator and 0.05 g/210L simulator used to provide the breath samples. No results for any of the breath samples were higher than expected.

The correct instrument response for this situation was achieved using software version 8100.27. It is also important to note that the quantitative results for the first and second breath samples flagged VOLUME NOT MET were either lower than expected or within acceptable range for the 0.08 g/210L simulator and 0.05 g/210L simulator used to provide the breath samples. No results for any of the breath samples were higher than expected.

Procedure Eighteen
Breath Test Sequence Evaluating Insufficient Breath Volume During First Breath Sample Provided At and Through Three (3) Minutes, and No Second Sample
The correct instrument response for this scenario is VOLUME NOT MET for the first breath sample, NO SAMPLE PROVIDED for the second breath sample, and no request for the third breath sample.

The correct instrument response for this scenario was not achieved using software version 8100.26. All three instruments produced results that appeared to be valid results for the first sample and a third breath sample was requested due to the second breath sample being NO SAMPLE PROVIDED. The result of the third breath sample did not agree within 0.020 of the first breath sample, and the instrument flagged the first and third breath samples as NO .020 AGREEMENT. The instrument should have flagged the first breath sample as VOLUME NOT MET. This message on the first breath sample was not achieved due to the missing software instructions in software version 8100.26. There were no instructions for the instrument to go back and look at the volume of a sample provided at and through three (3) minutes. It is important to note that the quantitative results obtained from the first and third breath samples were within the acceptable range for the 0.08 g/210L simulator used to provide the first breath sample. No results for any of the breath samples provided were higher than expected.

The correct instrument response for this scenario was achieved using software version 8100.27. It is also important to note that the quantitative results for the first breath sample flagged VOLUME NOT MET were either lower than expected or within the acceptable range for the 0.08 g/210L simulator used to provide the breath sample. No results for the first breath sample were higher than expected.

Procedure Nineteen
Breath Test Sequence Evaluating Insufficient Breath Volume During First Breath Sample (Alcohol Result with Zero Breath Volume)
The correct instrument response for this scenario is VOLUME NOT MET for the first breath sample and SUBJECT TEST REFUSED for the second breath sample. No third breath sample should be requested.

The Intoxilyzer 8000 breath test instrumentation provided the correct instrument response for this scenario regardless of the software version.

For Subject Sample #1, a subject provides a breath sample that does not meet volume into the instrument; the instrument saves the alcohol result obtained and the breath volume associated with that breath sample. Because a valid sample has not been received, the instrument will display PROVIDE SAMPLE NOW. The subject will have up to three (3) minutes to provide a

valid sample. The subject subsequently provides an additional strong puff of breath that is sufficient to reset the flow meter to 0.000 Liters, but the puff is not sufficient enough in flow or sustained long enough to begin the calculation of an alcohol result. The instrument reports the alcohol result from the first insufficient volume breath sample (reported as VOLUME NOT MET) but reports the breath volume (0.000 Liters) from the second additional strong, non-sustained puff of breath.

It is also important to note that the quantitative results for the first breath sample flagged VOLUME NOT MET were within acceptable range for the 0.08 g/210L simulator used to provide the breath sample. No results for the first breath sample were higher than expected.

Procedure Twenty
Breath Test Sequence Evaluating Insufficient Breath Volume During Second Breath Sample (Alcohol Result with Zero Breath Volume)
The correct instrument response for this scenario is a breath alcohol result between 0.075 and 0.085 g/210L for the first breath sample, VOLUME NOT MET for the second breath sample and SUBJECT TEST REFUSED for the third breath sample.

The Intoxilyzer 8000 breath test instrumentation provided the correct instrument response for this scenario regardless of the software version.

For Subject Sample #2, a subject provides a breath sample that does not meet volume into the instrument; the instrument saves the alcohol result obtained and the breath volume associated with that breath sample. Because a valid sample has not been received, the instrument will display PROVIDE SAMPLE NOW. The subject will have up to three (3) minutes to provide a valid sample. The subject subsequently provides an additional strong puff of breath that is sufficient to reset the flow meter to 0.000 Liters, but the puff is not sufficient enough in flow or sustained long enough to begin the calculation of an alcohol result. The instrument reports the alcohol result from the first insufficient volume breath sample (reported as VOLUME NOT MET) but reports the breath volume (0.000 Liters) from the second additional strong, non-sustained puff of breath.

It is also important to note that the quantitative results for the second breath sample flagged VOLUME NOT MET were either lower than expected or within the acceptable range for the 0.08 g/210L simulator used to provide the breath sample. No results for the second breath sample were higher than expected.

Procedure Twenty-One
Breath Test Sequence Evaluating Insufficient Breath Volume During Third Breath Sample (Alcohol Result with Zero Breath Volume)
The correct instrument response for this scenario is a breath alcohol result between 0.075 and 0.085 g/210L for the first breath sample, a breath alcohol result between 0.045 and 0.055 g/210L for the second breath sample and VOLUME NOT MET for the third breath sample. The first and second breath samples should be flagged NO .020 AGREEMENT.

The Intoxilyzer 8000 breath test instrumentation provided the correct instrument response for this scenario regardless of the software version.

For Subject Sample #3, a subject provides a breath sample that does not meet volume into the instrument; the instrument saves the alcohol result obtained and the breath volume associated with that breath sample. Because a valid sample has not been received, the instrument will display PROVIDE SAMPLE NOW. The subject will have up to three (3) minutes to provide a valid sample. The subject subsequently provides an additional strong puff of breath that is sufficient to reset the flow meter to 0.000 Liters, but the puff is not sufficient enough in flow or sustained long enough to begin the calculation of an alcohol result. The instrument reports the alcohol result from the first insufficient volume breath sample (reported as VOLUME NOT MET) but reports the breath volume (0.000 Liters) from the second additional strong, non-sustained puff of breath.

It is also important to note that the quantitative results for the third breath sample flagged VOLUME NOT MET were either lower than expected or within the acceptable range for the 0.08 g/210L simulator used to provide the breath sample. No results for the third breath sample were higher than expected.

Conclusion

This research study establishes the following:

- The CMI, Inc. Intoxilyzer 8000 instrumentation, with software versions 8100.26 and 8100.27, produces quantitatively accurate and reliable breath alcohol test results when valid breath samples are received;
- The Intoxilyzer 8000, using software version 8100.26, provides correct and appropriate responses to alternative breath test sequence factors and scenarios as presented in this research study, with one exception. The Intoxilyzer 8000, using software version 8100.26, does not correctly identify breath samples that are less than 1.1 Liters of breath volume and are provided at and through three minutes as VOLUME NOT MET;
- The Intoxilyzer 8000, using software version 8100.27, provides correct and appropriate responses to alternative breath test sequence factors and scenarios as presented in this research study regardless of breath volume, delivery of the breath sample at and through three minutes or whether the sample is the first, second or third breath sample;
- Any breath sample of insufficient volume, whether properly flagged or not, did not produce a quantitative breath alcohol result greater than the acceptable range of the known standard used to present the breath sample;
- Calibration of an Intoxilyzer 8000 is not necessary when changing from software version 8100.26 to 8100.27; and
- The Intoxilyzer 8000, using software versions 8100.26 and 8100.27, will enter DISABLE MODE when 150 breath tests have been conducted without an upload of the data.

APPENDIX A

External Equipment

Reference Sample Devices (Simulators)

Make	Model	Serial Number
Guth	10-4D	SD1015
Guth	10-4D	SD1065
Guth	10-4D	SD1016
Guth	210021	DR1280
Guth	210021	DR1279
Guth	34C	G2883
Guth	34C	G2840
Guth	10-4D	SD1011
Guth	10-4D	SD1018
Guth	10-4D	SD1022
Repco Marketing	3402-2K	2235
Repco Marketing	3402-2K	2236
Repco Marketing	3402-2K	2237
Repco Marketing	3402-2K	2238
Repco Marketing	3402-2K	2239
Guth	34C	G3709
Guth	34C	G2407

Digital Thermometers

Make	Model	Serial Number
Ertco-Eutechnics	5500	300505

External Printers

Make	Model	Serial Number
Samsung	ML1750	BAAX303958M
Brother	HL-2070N	U61230G6J169439
Samsung	ML1750	BAAX303716R
HP	1200	CNBJK47835

External Printer Switch

Make	Model	Serial Number
Belkin Bitronics	F1U126	3045341496

Stop Watch

Make	Model	Serial Number
Sportline	Go Walking	N/A
Sportline	Go Walking	N/A
Sportline	Go Walking	N/A

APPENDIX B

Alcohol Reference Solution

	0.05 g/210L (g/100mL)	0.08 g/210L (g/100mL)	0.20 g/210L (g/100mL)
Source	Alcohol Countermeasure Systems, Inc.	Alcohol Countermeasure Systems, Inc.	Alcohol Countermeasure Systems, Inc.
Lot Number	200605B	200509B	200509C
Manufacture Date	5/4/2006	9/22/2005	9/22/2005
Expiration Date	5/4/2008	9/22/2007	9/22/2007
Approval Date	7/9/2006	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	0.0608	0.0973	0.2457
2	0.0607	0.0976	0.2459
3	0.0605	0.0978	0.2473
4	0.0603	0.0987	0.2444
5	0.0607	0.0982	0.2456
6	0.0607	0.0972	0.2446
7	0.0608	0.0972	0.2456
8	0.0608	0.0980	0.2459
9	0.0604	0.0981	0.2462
10	0.0608	0.0976	0.2456
11	0.0603	0.0971	0.2464
12	0.0604	0.0973	0.2458
13	0.0607	0.0972	0.2451
14	0.0610	0.0968	0.2448
15	0.0605	0.0977	0.2455
16	0.0610	0.0972	0.2453
17	0.0602	0.0979	0.2467
18	0.0609	0.0970	0.2461
19	0.0602	0.0972	0.2460
20	0.0605	0.0973	0.2474
Mean	0.0606	0.0975	0.2458
Std Dev	0.0003	0.0005	0.0008
Minimum	0.0602	0.0968	0.2444
Maximum	0.0610	0.0987	0.2474

Dry Gas Standard

Manufacturer	Lot Number	Expiration Date	Certified Concentration
Scott Specialty Gases, Inc.	618801I	7/10/2008	0.080
Scott Specialty Gases, Inc.	627201I	10/3/2008	0.080
Scott Specialty Gases, Inc.	518602I	7/7/2007	0.080
Scott Specialty Gases, Inc.	610201G	4/17/2008	0.080
Scott Specialty Gases, Inc.	518702I	07/08/2007	0.080

Appendix C
Procedure #1

80-001173 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	SNM*
Breath Volume	2.566L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
* Slope Not Met	

80-001175 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.076
Air Blank	0.000
Subject Sample #1	SNM*
Breath Volume	1.253L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
* Slope Not Met	

80-001181 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	SNM*
Breath Volume	2.054L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
* Slope Not Met	

80-001173 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	SNM*
Breath Volume	1.121L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
* Slope Not Met	

80-001175 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	SNM*
Breath Volume	1.035L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
* Slope Not Met	

80-001181 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	SNM*
Breath Volume	1.375L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
* Slope Not Met	

Appendix C
Procedure #2

80-001173 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.080
Breath Volume	2.785L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	SNM*
Breath Volume	2.410L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
*Slope Not Met	

80-001175 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.077
Breath Volume	1.453L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	SNM*
Breath Volume	1.792L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Slope Not Met	

80-001181 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.079
Breath Volume	1.421L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	SNM*
Breath Volume	1.828L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Slope Not Met	

80-001173 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.081
Breath Volume	1.253L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	SNM*
Breath Volume	1.492L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
*Slope Not Met	

80-001175 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.077
Breath Volume	1.484L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	SNM*
Breath Volume	1.074L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Slope Not Met	

80-001181 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.083
Breath Volume	1.652L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	SNM*
Breath Volume	1.703L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Slope Not Met	

Appendix C
Procedure #3

80-001173 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	0.077
Breath Volume	2.828L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.050
Breath Volume	2.519L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	SNM*
Breath Volume	2.515L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
*Slope Not Met	

80-001175 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.076
Air Blank	0.000
Subject Sample #1	0.077
Breath Volume	1.210L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.048
Breath Volume	1.371L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	SNM*
Breath Volume	1.992L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
*Slope Not Met	

80-001181 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.079
Breath Volume	1.546L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.050
Breath Volume	1.226L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	SNM*
Breath Volume	1.144L
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*Slope Not Met	

80-001173 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.081
Breath Volume	1.167L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.049
Breath Volume	1.277L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	SNM*
Breath Volume	1.035L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Slope Not Met	

80-001175 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.078
Breath Volume	1.191L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.048
Breath Volume	1.246L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	SNM*
Breath Volume	0.781L
Air Blank	0.000
Control Test	0.076
Air Blank	0.000
Diagnostics Check	OK
*Slope Not Met	

80-001181 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.083
Breath Volume	1.496L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.052
Breath Volume	1.167L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	SNM*
Breath Volume	1.976L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Slope Not Met	

Appendix C
Procedure #4

80-001173 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	INT*
Breath Volume	2.871L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Interferent Detect	

80-001175 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.076
Air Blank	0.000
Subject Sample #1	INT*
Breath Volume	2.148L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
*Interferent Detect	

80-001181 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	INT*
Breath Volume	1.527L
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*Interferent Detect	

80-001173 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	INT*
Breath Volume	2.183L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Interferent Detect	

80-001175 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	INT*
Breath Volume	3.203L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Interferent Detect	

80-001181 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	INT*
Breath Volume	2.000L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Interferent Detect	

Appendix C
Procedure #5

80-001173 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	0.076
Breath Volume	3.371L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	INT*
Breath Volume	2.257L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
*Interferent Detect	

80-001175 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.081
Breath Volume	1.300L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	INT*
Breath Volume	2.964L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
*Interferent Detect	

80-001181 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.080
Breath Volume	1.632L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	INT*
Breath Volume	0.582L
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*Interferent Detect	

80-001173 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.080
Breath Volume	2.246L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	INT*
Breath Volume	3.078L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Interferent Detect	

80-001175 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.081
Breath Volume	1.480L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	INT*
Breath Volume	2.500L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Interferent Detect	

80-001181 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.083
Breath Volume	1.761L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	INT*
Breath Volume	1.261L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Interferent Detect	

Appendix C
Procedure #6

80-001173 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.080
Breath Volume	2.894L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.049
Breath Volume	2.734L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	INT*
Breath Volume	2.667L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Interferent Detect	

80-001175 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.080
Breath Volume	1.281L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.052
Breath Volume	1.632L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	INT*
Breath Volume	2.906L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
*Interferent Detect	

80-001181 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.079
Breath Volume	1.812L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.050
Breath Volume	1.347L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	INT*
Breath Volume	2.480L
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*Interferent Detect	

80-001173 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	0.080
Breath Volume	2.691L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.051
Breath Volume	2.781L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	INT*
Breath Volume	3.195L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Interferent Detect	

80-001175 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.081
Breath Volume	1.339L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.050
Breath Volume	1.250L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	INT*
Breath Volume	2.558L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Interferent Detect	

80-001181 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.083
Breath Volume	1.921L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.052
Breath Volume	1.191L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	INT*
Breath Volume	1.507L
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*Interferent Detect	

Appendix C
Procedure #7

80-001173 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	0.000*
Breath Volume	2.437L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.050*
Breath Volume	2.796L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.077*
Breath Volume	3.007L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
*No .020 Agreement	

80-001175 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.000*
Breath Volume	1.437L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.049*
Breath Volume	1.843L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.077*
Breath Volume	2.121L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*No .020 Agreement	

80-001181 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.000*
Breath Volume	1.582L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.050*
Breath Volume	0.945L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.080*
Breath Volume	1.437L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*No .020 Agreement	

80-001173 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.000*
Breath Volume	2.773L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.051*
Breath Volume	2.769L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.081*
Breath Volume	3.437L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*No .020 Agreement	

80-001175 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.076
Air Blank	0.000
Subject Sample #1	0.000*
Breath Volume	1.679L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.047*
Breath Volume	1.187L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.077*
Breath Volume	1.867L
Air Blank	0.000
Control Test	0.076
Air Blank	0.000
Diagnostics Check	OK
*No .020 Agreement	

80-001181 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.000*
Breath Volume	1.433L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.052*
Breath Volume	1.292L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.083*
Breath Volume	1.550L
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*No .020 Agreement	

Appendix C
Procedure #8

80-001173 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	RFI*
Breath Volume	1.312L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*RFI Detect	

80-001175 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.076
Air Blank	0.000
Subject Sample #1	RFI*
Breath Volume	0.757L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
*RFI Detect	

80-001181 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	RFI*
Breath Volume	1.265L
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*RFI Detect	

80-001173 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	RFI*
Breath Volume	0.722L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*RFI Detect	

80-001175 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	RFI*
Breath Volume	0.820L
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*RFI Detect	

80-001181 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	RFI*
Breath Volume	0.968L
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*RFI Detect	

Appendix C
Procedure #9

80-001173 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.081
Breath Volume	1.949L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	RFI*
Breath Volume	1.523L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*RFI Detect	

80-001175 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.076
Air Blank	0.000
Subject Sample #1	0.081
Breath Volume	1.308L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	RFI*
Breath Volume	1.378L
Air Blank	0.000
Control Test	0.076
Air Blank	0.000
Diagnostics Check	OK
*RFI Detect	

80-001181 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.078
Breath Volume	1.402L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	RFI*
Breath Volume	0.996L
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*RFI Detect	

80-001173 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.078
Breath Volume	2.496L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	RFI*
Breath Volume	0.871L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*RFI Detect	

80-001175 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.079
Breath Volume	1.195L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	RFI*
Breath Volume	1.140L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*RFI Detect	

80-001181 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.082
Breath Volume	1.507L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	RFI*
Breath Volume	0.953L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*RFI Detect	

Appendix C
Procedure #10

80-001173 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.079
Breath Volume	1.675L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.050
Breath Volume	1.765L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	RFI*
Breath Volume	1.101L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
*RFI Detect	

80-001175 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	0.081
Breath Volume	1.179L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.052
Breath Volume	1.195L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	RFI*
Breath Volume	1.867L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
*RFI Detect	

80-001181 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.078
Breath Volume	1.511L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.049
Breath Volume	1.234L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	RFI*
Breath Volume	1.058L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*RFI Detect	

80-001173 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.079
Breath Volume	2.171L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.051
Breath Volume	2.019L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	RFI*
Breath Volume	1.523L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*RFI Detect	

80-001175 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Subject Sample #1	0.080
Breath Volume	1.207L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.048
Breath Volume	1.210L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	RFI*
Breath Volume	0.968L
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*RFI Detect	

80-001181 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.081
Breath Volume	1.511L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.052
Breath Volume	1.222L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	RFI*
Breath Volume	1.480L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*RFI Detect	

Appendix C
Procedure #11

80-001173 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.077
Breath Volume	0.949L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.080
Breath Volume	1.839L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK

80-001175 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.084
Breath Volume	0.808L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.083
Breath Volume	1.183L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK

80-001181 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.080
Breath Volume	0.808L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.079
Breath Volume	1.210L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK

80-001173 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	VNM*
Breath Volume	0.464L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.080
Breath Volume	2.433L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	NSP**
Breath Volume	0.000L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK

*Volume Not Met (0.068-Breath Sample Not Reliable to Determine Breath Alcohol Level)
**No Sample Provided

80-001175 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	VNM*
Breath Volume	0.777L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.081
Breath Volume	1.347L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	NSP**
Breath Volume	0.000L
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Diagnostics Check	OK

*Volume Not Met (0.080-Breath Sample Not Reliable to Determine Breath Alcohol Level)
**No Sample Provided

80-001181 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	VNM*
Breath Volume	0.492L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.081
Breath Volume	1.777L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	NSP**
Breath Volume	0.000L
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK

*Volume Not Met (0.008-Breath Sample Not Reliable to Determine Breath Alcohol Level)
**No Sample Provided

Appendix C
Procedure #12

80-001173 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.081
Breath Volume	1.878L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.061
Breath Volume	0.632L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK

80-001175 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.082
Breath Volume	1.289L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.082
Breath Volume	0.859L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK

80-001181 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.078
Breath Volume	1.738L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.078
Breath Volume	0.585L
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK

80-001173 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.078*
Breath Volume	1.542L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	VNM**
Breath Volume	0.742L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.051*
Breath Volume	1.382L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*No .020 Agreement **Volume Not Met (0.079-Breath Sample Not Reliable to Determine Breath Alcohol Level)	

80-001175 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.081*
Breath Volume	1.269L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	VNM**
Breath Volume	0.792L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.052*
Breath Volume	1.320L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*No .020 Agreement **Volume Not Met (0.080-Breath Sample Not Reliable to Determine Breath Alcohol Level)	

80-001181 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.080*
Breath Volume	1.382L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	VNM**
Breath Volume	0.664L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.051*
Breath Volume	1.378L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*No .020 Agreement **Volume Not Met (0.080-Breath Sample Not Reliable to Determine Breath Alcohol Level)	

Appendix C
Procedure #13

80-001173 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	0.000
Breath Volume	1.847L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.049
Breath Volume	2.007L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.079
Breath Volume	1.921L
Air Blank	IPS*
Air Blank	0.000
*Improper Sample	

80-001175 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	0.000
Breath Volume	1.265L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.053
Breath Volume	1.226L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.081
Breath Volume	1.222L
Air Blank	IPS*
Air Blank	0.000
*Improper Sample	

80-001181 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.000
Breath Volume	1.386L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.048
Breath Volume	2.085L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.078
Breath Volume	1.332L
Air Blank	IPS*
Air Blank	0.000
*Improper Sample	

80-001173 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.000
Breath Volume	1.308L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.051
Breath Volume	1.707L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.079
Breath Volume	2.605L
Air Blank	IPS*
Air Blank	0.000
*Improper Sample	

80-001175 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.000
Breath Volume	1.187L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.048
Breath Volume	1.656L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.077
Breath Volume	1.218L
Air Blank	IPS*
Air Blank	0.000
*Improper Sample	

80-001181 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.080
Air Blank	0.000
Subject Sample #1	0.000
Breath Volume	1.351L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.052
Breath Volume	1.285L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.081
Breath Volume	1.585L
Air Blank	IPS*
Air Blank	0.000
*Improper Sample	

Appendix C
Procedure #14

80-001173 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.076
Air Blank	0.000
Subject Sample #1	0.049
Breath Volume	2.062L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.078
Breath Volume	2.042L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	REF*
Breath Volume	0.000L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
*Subject Test Refused	

80-001175 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	0.053
Breath Volume	1.203L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.081
Breath Volume	1.292L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	REF*
Breath Volume	0.000L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
*Subject Test Refused	

80-001181 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.048
Breath Volume	1.484L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.078
Breath Volume	1.492L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	REF*
Breath Volume	0.000L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
*Subject Test Refused	

80-001173 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.050
Breath Volume	1.945L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.078
Breath Volume	2.859L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	REF*
Breath Volume	0.000L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
*Subject Test Refused	

80-001175 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.049
Breath Volume	2.234L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.078
Breath Volume	1.605L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	REF*
Breath Volume	0.000L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
*Subject Test Refused	

80-001181 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.050
Breath Volume	1.234L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.081
Breath Volume	1.464L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	REF*
Breath Volume	0.000L
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK
*Subject Test Refused	

Appendix C
Procedure #15

80-001173 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	VNM*
Breath Volume	0.949L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.048
Breath Volume	1.914L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.077
Breath Volume	1.980L
Air Blank	0.000
Control Test	0.000**
Air Blank	0.000
*Volume Not Met (0.075-Breath Sample Not Reliable To Determine Breath Alcohol Level)	
**Control Outside Tolerance	

80-001175 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	VNM*
Breath Volume	0.835L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.052
Breath Volume	1.296L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.080
Breath Volume	1.214L
Air Blank	0.000
Control Test	0.000**
Air Blank	0.000
*Volume Not Met (0.081-Breath Sample Not Reliable To Determine Breath Alcohol Level)	
**Control Outside Tolerance	

80-001181 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	VNM*
Breath Volume	0.222L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.049
Breath Volume	1.480L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.076
Breath Volume	1.394L
Air Blank	0.000
Control Test	0.000**
Air Blank	0.000
*Volume Not Met (0.000-Breath Sample Not Reliable To Determine Breath Alcohol Level)	
**Control Outside Tolerance	

80-001173 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	VNM*
Breath Volume	0.683L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.050
Breath Volume	2.167L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.079
Breath Volume	2.566L
Air Blank	0.000
Control Test	0.000**
Air Blank	0.000
*Volume Not Met (0.075-Breath Sample Not Reliable To Determine Breath Alcohol Level)	
**Control Outside Tolerance	

80-001175 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	VNM*
Breath Volume	0.824L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.051
Breath Volume	1.246L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.079
Breath Volume	1.339L
Air Blank	0.000
Control Test	0.000**
Air Blank	0.000
*Volume Not Met (0.078-Breath Sample Not Reliable To Determine Breath Alcohol Level)	
**Control Outside Tolerance	

80-001181 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	VNM*
Breath Volume	0.289L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.050
Breath Volume	1.246L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.080
Breath Volume	1.656L
Air Blank	0.000
Control Test	0.000**
Air Blank	0.000
*Volume Not Met (0.081-Breath Sample Not Reliable To Determine Breath Alcohol Level)	
**Control Outside Tolerance	

Appendix C
Procedure #16

80-001173 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	VNM*
Breath Volume	0.867L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.077**
Breath Volume	2.386L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.048**
Breath Volume	2.027L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
*Volume Not Met (0.076-Breath Sample Not Reliable To Determine Breath Alcohol Level)	
**No .020 Agreement	

80-001175 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	VNM*
Breath Volume	0.820L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.081**
Breath Volume	1.390L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.052**
Breath Volume	1.226L
Air Blank	0.000
Control Test	0.076
Air Blank	0.000
Diagnostics Check	OK
*Volume Not Met (0.080-Breath Sample Not Reliable To Determine Breath Alcohol Level)	
**No .020 Agreement	

80-001181 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	VNM*
Breath Volume	0.519L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.075**
Breath Volume	1.398L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.049**
Breath Volume	1.335L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Volume Not Met (0.058-Breath Sample Not Reliable To Determine Breath Alcohol Level)	
**No .020 Agreement	

80-001173 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	VNM*
Breath Volume	0.761L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.078**
Breath Volume	1.406L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.050**
Breath Volume	1.304L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Volume Not Met (0.078-Breath Sample Not Reliable To Determine Breath Alcohol Level)	
**No .020 Agreement	

80-001175 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	VNM*
Breath Volume	0.667L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.079**
Breath Volume	1.230L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.051**
Breath Volume	1.277L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
*Volume Not Met (0.077-Breath Sample Not Reliable To Determine Breath Alcohol Level)	
**No .020 Agreement	

80-001181 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	VNM*
Breath Volume	0.683L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.079**
Breath Volume	1.371L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.051**
Breath Volume	1.285L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
*Volume Not Met (0.078-Breath Sample Not Reliable To Determine Breath Alcohol Level)	
**No .020 Agreement	

Appendix C
Procedure #17

80-001173 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.060
Breath Volume	0.406L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.046
Breath Volume	0.804L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK

80-001175 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	0.080*
Breath Volume	0.863L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.051*
Breath Volume	0.882L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	VNM**
Breath Volume	0.843L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK

*No .020 Agreement
**Volume Not Met (0.082-Breath Sample Not Reliable to Determine Breath Alcohol Level)

80-001181 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	0.076*
Breath Volume	0.914L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.049*
Breath Volume	0.757L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	VNM**
Breath Volume	0.613L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK

*No .020 Agreement
**Volume Not Met (0.065-Breath Sample Not Reliable to Determine Breath Alcohol Level)

80-001173 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	VNM*
Breath Volume	0.683L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	VNM**
Breath Volume	0.839L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK

*Volume Not Met (0.072-Breath Sample Not Reliable To Determine Breath Alcohol Level)
**Volume Not Met (0.047-Breath Sample Not Reliable to Determine Breath Alcohol Level)

80-001175 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	VNM*
Breath Volume	1.042L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	VNM**
Breath Volume	0.695L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK

*Volume Not Met (0.079-Breath Sample Not Reliable To Determine Breath Alcohol Level)
**Volume Not Met (0.048-Breath Sample Not Reliable to Determine Breath Alcohol Level)

80-001181 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Subject Sample #1	VNM*
Breath Volume	0.117L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	VNM**
Breath Volume	0.097L
Air Blank	0.000
Control Test	0.079
Air Blank	0.000
Diagnostics Check	OK

*Volume Not Met (0.007-Breath Sample Not Reliable To Determine Breath Alcohol Level)
**Volume Not Met (0.000-Breath Sample Not Reliable to Determine Breath Alcohol Level)

Appendix C
Procedure #18

80-001173 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	0.075*
Breath Volume	0.902L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	NSP**
Breath Volume	0.000L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.049*
Breath Volume	2.218L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*No .020 Agreement **No Sample Provided	

80-001175 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	0.079*
Breath Volume	0.871L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	NSP**
Breath Volume	0.000L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.051*
Breath Volume	1.195L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
*No .020 Agreement **No Sample Provided	

80-001181 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.081*
Breath Volume	0.500L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	NSP**
Breath Volume	0.000L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	0.052*
Breath Volume	1.289L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*No .020 Agreement **No Sample Provided	

80-001173 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	VNM*
Breath Volume	0.925L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	NSP**
Breath Volume	0.000L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
*Volume Not Met (0.074-Breath Sample Not Reliable To Determine Breath Alcohol Level) **No Sample Provided	

80-001175 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	VNM*
Breath Volume	0.906L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	NSP**
Breath Volume	0.000L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
*Volume Not Met (0.079-Breath Sample Not Reliable To Determine Breath Alcohol Level) **No Sample Provided	

80-001181 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	VNM*
Breath Volume	0.347L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	NSP**
Breath Volume	0.000L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK
*Volume Not Met (0.050-Breath Sample Not Reliable To Determine Breath Alcohol Level) **No Sample Provided	

Appendix C
Procedure #19

80-001173 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	VNM*
Breath Volume	0.000L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	REF**
Breath Volume	0.000L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
*Volume Not Met (0.076-Breath Sample Not Reliable To Determine Breath Alcohol Level)	
**Subject Test Refused	

80-001175 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	VNM*
Breath Volume	0.000L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	REF**
Breath Volume	0.000L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
*Volume Not Met (0.080-Breath Sample Not Reliable To Determine Breath Alcohol Level)	
**Subject Test Refused	

80-001181 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	VNM*
Breath Volume	0.000L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	REF**
Breath Volume	0.000L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
*Volume Not Met (0.079-Breath Sample Not Reliable To Determine Breath Alcohol Level)	
**Subject Test Refused	

80-001173 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	VNM*
Breath Volume	0.000L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	REF**
Breath Volume	0.000L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
*Volume Not Met (0.076-Breath Sample Not Reliable To Determine Breath Alcohol Level)	
**Subject Test Refused	

80-001175 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.076
Air Blank	0.000
Subject Sample #1	VNM*
Breath Volume	0.000L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	REF**
Breath Volume	0.000L
Air Blank	0.000
Control Test	0.076
Air Blank	0.000
Diagnostics Check	OK
*Volume Not Met (0.077-Breath Sample Not Reliable To Determine Breath Alcohol Level)	
**Subject Test Refused	

80-001181 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	VNM*
Breath Volume	0.000L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	REF**
Breath Volume	0.000L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK
*Volume Not Met (0.081-Breath Sample Not Reliable To Determine Breath Alcohol Level)	
**Subject Test Refused	

Appendix C
Procedure #20

80-001173 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	0.077
Breath Volume	2.917L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	VNM*
Breath Volume	0.000L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	REF**
Breath Volume	0.000L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK

*Volume Not Met (0.072-Breath Sample Not Reliable To Determine Breath Alcohol Level)
**Subject Test Refused

80-001175 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	0.081
Breath Volume	1.554L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	VNM*
Breath Volume	0.000L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	REF**
Breath Volume	0.000L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK

*Volume Not Met (0.080-Breath Sample Not Reliable To Determine Breath Alcohol Level)
**Subject Test Refused

80-001181 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	0.082
Breath Volume	1.578L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	VNM*
Breath Volume	0.000L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	REF**
Breath Volume	0.000L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK

*Volume Not Met (0.081-Breath Sample Not Reliable To Determine Breath Alcohol Level)
**Subject Test Refused

80-001173 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.077
Breath Volume	2.187L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	VNM*
Breath Volume	0.000L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	REF**
Breath Volume	0.000L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK

*Volume Not Met (0.072-Breath Sample Not Reliable To Determine Breath Alcohol Level)
**Subject Test Refused

80-001175 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	0.077
Breath Volume	1.261L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	VNM*
Breath Volume	0.000L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	REF**
Breath Volume	0.000L
Air Blank	0.000
Control Test	0.076
Air Blank	0.000
Diagnostics Check	OK

*Volume Not Met (0.077-Breath Sample Not Reliable To Determine Breath Alcohol Level)
**Subject Test Refused

80-001181 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.079
Breath Volume	1.218L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	VNM*
Breath Volume	0.000L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	REF**
Breath Volume	0.000L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK

*Volume Not Met (0.078-Breath Sample Not Reliable To Determine Breath Alcohol Level)
**Subject Test Refused

Appendix C
Procedure #21

80-001173 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.076*
Breath Volume	2.789L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.048*
Breath Volume	2.277L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	VNM**
Breath Volume	0.000L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK

*No .020 Agreement
**Volume Not Met (0.074-Breath Sample Not Reliable To Determine Breath Alcohol Level)

80-001175 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	0.081*
Breath Volume	1.367L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.052*
Breath Volume	1.332L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	VNM**
Breath Volume	0.000L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK

*No .020 Agreement
**Volume Not Met (0.081-Breath Sample Not Reliable To Determine Breath Alcohol Level)

80-001181 version 8100.26	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.081*
Breath Volume	1.277L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.052*
Breath Volume	1.152L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	VNM**
Breath Volume	0.000L
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Diagnostics Check	OK

*No .020 Agreement
**Volume Not Met (0.082-Breath Sample Not Reliable To Determine Breath Alcohol Level)

80-001173 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.077
Air Blank	0.000
Subject Sample #1	0.077*
Breath Volume	1.800L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.049*
Breath Volume	1.902L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	VNM**
Breath Volume	0.000L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK

*No .020 Agreement
**Volume Not Met (0.070-Breath Sample Not Reliable To Determine Breath Alcohol Level)

80-001175 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.077*
Breath Volume	1.203L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.047*
Breath Volume	1.222L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	VNM**
Breath Volume	0.000L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK

*No .020 Agreement
**Volume Not Met (0.078-Breath Sample Not Reliable To Determine Breath Alcohol Level)

80-001181 version 8100.27	
Test	g/210L
Diagnostics Check	OK
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Subject Sample #1	0.079*
Breath Volume	1.234L
Air Blank	0.000
Air Blank	0.000
Subject Sample #2	0.051*
Breath Volume	1.265L
Air Blank	0.000
Air Blank	0.000
Subject Sample #3	VNM**
Breath Volume	0.000L
Air Blank	0.000
Control Test	0.078
Air Blank	0.000
Diagnostics Check	OK

*No .020 Agreement
**Volume Not Met (0.080-Breath Sample Not Reliable To Determine Breath Alcohol Level)