




Florida Department of  
Law Enforcement

Gerald M. Bailey  
Commissioner

**Alcohol Testing Program**  
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Charlie Crist, *Governor*  
Bill McCollum, *Attorney General*  
Alex Sink, *Chief Financial Officer*  
Charles H. Bronson, *Commissioner of Agriculture*

**Memorandum**

**To:** Department Inspectors  
**From:** Laura Barfield, Alcohol Testing Program Manager   
**Date:** Tuesday, December 14, 2010  
**SUBJECT:** Intoxilyzer 8000 Subject Tests Statistical Data Review Summary - October 2010

I have completed the Intoxilyzer 8000 Subject Tests Statistical Data Review for October 2010. The following information is based on the review of the October 2010 subject tests electronic data:

| Breath Test Statistics                     |              |         | Alcohol Concentration Statistics                |      |         |
|--|--------------|---------|---|------|---------|
| Total Number of Breath Tests: 3825         |              |         | <b>From Breath Samples with No Message Flag</b> |      |         |
| <b>Type of Test</b>                        |              |         | Average Breath Alcohol Concentration 0.147      |      |         |
| Driving Under the Influence                | 3719         | 97.23 % | # of Breath Samples <0.08 g/210L                | 1044 | 18 %    |
| System Check                               | 3            | 0.08 %  | # of Breath Samples >=0.08 g/210L               | 4738 | 82 %    |
| Administrative                             | 23           | 0.60 %  | # of Breath Samples >=0.20 g/210L               | 1371 | 24 %    |
| Boating Under the Influence                | 29           | 0.76 %  | <b>Messages (Total Number of Occurrences)</b>   |      |         |
| Court Ordered                              | 15           | 0.39 %  | Volume Not Met                                  | 279  | 7.29 %  |
| Other                                      | 21           | 0.55 %  | Slope Not Met                                   | 41   | 1.07 %  |
| Probation/Parole                           | 6            | 0.16 %  | No Sample Provided                              | 182  | 4.76 %  |
| Commercial Motor Vehicle                   | 0            | 0.00 %  | RFI Detect                                      | 88   | 2.30 %  |
| 0.02 Enforcement/Zero Tolerance            | 9            | 0.24 %  | Subject Test Refused                            | 725  | 18.95 % |
| <b>Breath Sample Statistics</b>            |              |         | Slope Not Level                                 | 9    | 0.24 %  |
| Total Number of Breath Samples             | 7085         |         | Sequence Aborted                                | 21   | 0.55 %  |
| Average Breath Volume - All Breath Samples | 1.888 Liters |         | Interferent Detect                              | 18   | 0.47 %  |
| # of Breath Samples with No Message Flag   | 5782         | 81.6 %  | Improper Sample                                 | 8    | 0.21 %  |
| # of Breath Samples with Message Flag      | 1303         | 18.4 %  | Range Exceeded                                  | 0    | 0.00 %  |
| <b>Control Tests During Subject Tests</b>  |              |         | Ambient Fail                                    | 5    | 0.13 %  |
| Total # of all Control Tests               | 7498         |         | No 0.02 Agreement                               | 26   | 0.68 %  |
| Average of all Control Test Results        | 0.080        |         | Purge Fail                                      | 48   | 1.25 %  |
| # Control Tests within Acceptable Range    | 7440         | 99.23 % | Control Outside Tolerance                       | 41   | 1.07 %  |
| # Control Tests - Ctl Out Tolerance        | 41           | 0.55 %  | Temperature Regulation Test                     | 0    | 0.00 %  |
| # Control Tests - Interferent Detect       | 6            | 0.08 %  | Analytical Stability Test                       | 0    | 0.00 %  |
| # Control Tests with RFI Detect            | 11           | 0.15 %  | EEPROM Checksum Test                            | 0    | 0.00 %  |
| <b>Air Blanks During Subject Tests</b>     |              |         | Voltage/Current Test                            | 3    | 0.08 %  |
| Total # of All Air Blanks                  | 21844        |         | DSP Test  | 0    | 0.00 %  |
| # of Air Blanks with No Message Flag       | 21721        | 99.44 % | <b>Diagnostic Checks During Subject Tests</b>   |      |         |
| # of Air Blanks with Message Flag          | 123          | 0.56 %  | Total # of All Diagnostic Checks                | 7478 |         |
|  |              |         | # of Diagnostic Checks - OK                     | 7475 | 99.96 % |
|  |              |         | # of Diagnostic Checks - Fail                   | 3    | 0.04 %  |

If you have any questions concerning this information, please feel free to contact me at (850) 817-1290