



Florida Department of
Law Enforcement

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Commissioner

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MEMORANDUM

TO: Department Inspectors
FROM: Laura D. Barfield, Alcohol Testing Program Manager *LDB*
DATE: January 4, 2008
SUBJECT: Intoxilyzer 8000 Subject Tests Statistical Data Review Summary – September 2007

I have completed the Intoxilyzer 8000 Subject Tests Statistical Data Review for September 2007. The following information is based on the review of the September 2007 subject tests electronic data:

| Breath Test Statistics | | | Alcohol Concentration Statistics | | |
|---|--------------|--------|---|-------|--------|
| Total Number of Breath Tests: | 4,928 | | (From Breath Samples with No Message Flag) | | |
| Type of Test | | | Average Breath Alcohol Concentration | 0.150 | |
| Driving Under the Influence | 4,780 | 97% | # of Breath Samples < 0.08 g/210L | 1,203 | 16% |
| System Check | 22 | 0.45% | # of Breath Samples >= 0.08 g/210L | 6,188 | 84% |
| Administrative | 43 | 0.87% | # of Breath Samples >= 0.20 g/210L | 1,771 | 24% |
| Boating Under the Influence | 36 | 0.73% | Messages (Total Number of Occurrences) | | |
| Court Ordered | 5 | 0.10% | Volume Not Met | 407 | 8.26% |
| Other | 21 | 0.43% | Slope Not Met | 7 | 0.14% |
| Probation/Parole | 15 | 0.30% | No Sample Provided | 179 | 3.63% |
| Commercial Motor Vehicle | 0 | 0% | RFI Detect | 146 | 2.96% |
| 0.02 Enforcement/Zero Tolerance | 6 | 0.12% | Subject Test Refused | 908 | 18.4% |
| Breath Sample Statistics | | | Slope Not Level | 9 | 0.18% |
| Total Number of Breath Samples | 9,001 | | Sequence Aborted | 44 | 0.51% |
| Average Breath Volume--All Breath Samples | 1.814 Liters | | Interferent Detect | 25 | 0.28% |
| # of Breath Samples with No Message Flag | 7,391 | 82.1% | Improper Sample | 14 | 0.04% |
| # of Breath Samples with Message Flag | 1,610 | 17.9% | Range Exceeded | 2 | 0.51% |
| Control Tests During Subject Tests | | | Ambient Fail | 14 | 0.28% |
| Total # of All Control Tests | 9,560 | | No .020 Agreement | 20 | 0.41% |
| Average of All Control Test Results | 0.079 | | Purge Fail | 131 | 2.66% |
| # Control Tests within Acceptable Range | 9,445 | 98.8% | Control Outside Tolerance | 88 | 1.79% |
| # of Control Tests - Ctl Out Tolerance | 88 | 0.92% | Temperature Regulation Test | 0 | 0% |
| # Control Tests - Interferent Detect | 19 | 0.20% | Analytical Stability Test | 1 | 0.2% |
| # Control Tests with RFI Detect | 8 | 0.08% | EEPROM Checksum Test | 0 | 0% |
| | | | Voltage/Current Test | 3 | 0.06% |
| Air Blanks During Subject Tests | | | Diagnostic Checks During Subject Tests | | |
| Total # of All Air Blanks | 27,897 | | Total # of All Diagnostic Checks | 9,512 | |
| # of Air Blanks with No Message Flag | 27,639 | 99.08% | # of Diagnostic Checks – OK | 9,508 | 99.96% |
| # of Air Blanks with Message Flag | 258 | 0.92% | # of Diagnostic Checks – Fail | 4 | 0.04% |

If you have any questions concerning this information, please feel free to contact me at (850) 617-1290.