



Florida Department of
Law Enforcement

Gerald M. Bailey
Commissioner

Alcohol Testing Program
P.O. Box 1489
Tallahassee Florida 32302
(850) 617-1290
(850) 921-3787 Fax
<http://www.fdle.state.fl.us>

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 *LDB*
Date: Monday, November 29, 2010
SUBJECT: UPDATED Intoxilyzer 8000 Subject Tests Statistical Data Review Summary - May 2010

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

<p>Breath Test Statistics</p> <p>Total Number of Breath Tests: 4029</p> <p>Type of Test</p> <table border="1"> <tr><td>Driving Under the Influence</td><td>3876</td><td>96.20 %</td></tr> <tr><td>System Check</td><td>5</td><td>0.12 %</td></tr> <tr><td>Administrative</td><td>22</td><td>0.55 %</td></tr> <tr><td>Boating Under the Influence</td><td>69</td><td>1.71 %</td></tr> <tr><td>Court Ordered</td><td>24</td><td>0.60 %</td></tr> <tr><td>Other</td><td>14</td><td>0.35 %</td></tr> <tr><td>Probation/Parole</td><td>15</td><td>0.37 %</td></tr> <tr><td>Commercial Motor Vehicle</td><td>0</td><td>0.00 %</td></tr> <tr><td>0.02 Enforcement/Zero Tolerance</td><td>4</td><td>0.10 %</td></tr> </table> <p>Breath Sample Statistics</p> <table border="1"> <tr><td>Total Number of Breath Samples</td><td>7343</td></tr> <tr><td>Average Breath Volume - All Breath Samples</td><td>1.885 Liters</td></tr> <tr><td># of Breath Samples with No Message Flag</td><td>5978 81.41 %</td></tr> <tr><td># of Breath Samples with Message Flag</td><td>1365 18.59 %</td></tr> </table> <p>Control Tests During Subject Tests</p> <table border="1"> <tr><td>Total # of all Control Tests</td><td>7906</td></tr> <tr><td>Average of all Control Test Results</td><td>0.079</td></tr> <tr><td># Control Tests within Acceptable Range</td><td>7853 99.33 %</td></tr> <tr><td># Control Tests - Ctl Out Tolerance</td><td>46 0.58 %</td></tr> <tr><td># Control Tests - Interferent Detect</td><td>5 0.06 %</td></tr> <tr><td># Control Tests with RFI Detect</td><td>2 0.03 %</td></tr> </table> <p>Air Blanks During Subject Tests</p> <table border="1"> <tr><td>Total # of All Air Blanks</td><td>22781</td></tr> <tr><td># of Air Blanks with No Message Flag</td><td>22657 99.46 %</td></tr> <tr><td># of Air Blanks with Message Flag</td><td>124 0.544 %</td></tr> </table>		Driving Under the Influence	3876	96.20 %	System Check	5	0.12 %	Administrative	22	0.55 %	Boating Under the Influence	69	1.71 %	Court Ordered	24	0.60 %	Other	14	0.35 %	Probation/Parole	15	0.37 %	Commercial Motor Vehicle	0	0.00 %	0.02 Enforcement/Zero Tolerance	4	0.10 %	Total Number of Breath Samples	7343	Average Breath Volume - All Breath Samples	1.885 Liters	# of Breath Samples with No Message Flag	5978 81.41 %	# of Breath Samples with Message Flag	1365 18.59 %	Total # of all Control Tests	7906	Average of all Control Test Results	0.079	# Control Tests within Acceptable Range	7853 99.33 %	# Control Tests - Ctl Out Tolerance	46 0.58 %	# Control Tests - Interferent Detect	5 0.06 %	# Control Tests with RFI Detect	2 0.03 %	Total # of All Air Blanks	22781	# of Air Blanks with No Message Flag	22657 99.46 %	# of Air Blanks with Message Flag	124 0.544 %	<p>Alcohol Concentration Statistics</p> <p>From Breath Samples with No Message Flag</p> <table border="1"> <tr><td>Average Breath Alcohol Concentration</td><td>0.143</td></tr> <tr><td># of Breath Samples <0.08 g/210L</td><td>1168 20 %</td></tr> <tr><td># of Breath Samples >=0.08 g/210L</td><td>4810 80 %</td></tr> <tr><td># of Breath Samples >=0.20 g/210L</td><td>1324 22 %</td></tr> </table> <p>Messages (Total Number of Occurrences)</p> <table border="1"> <tr><td>Volume Not Met</td><td>280 6.95 %</td></tr> <tr><td>Slope Not Met</td><td>47 1.17 %</td></tr> <tr><td>No Sample Provided</td><td>139 3.45 %</td></tr> <tr><td>RFI Detect</td><td>83 2.06 %</td></tr> <tr><td>Subject Test Refused</td><td>829 20.58 %</td></tr> <tr><td>Slope Not Level</td><td>14 0.35 %</td></tr> <tr><td>Sequence Aborted</td><td>20 0.50 %</td></tr> <tr><td>Interferent Detect</td><td>15 0.37 %</td></tr> <tr><td>Improper Sample</td><td>20 0.50 %</td></tr> <tr><td>Range Exceeded</td><td>0 0.00 %</td></tr> <tr><td>Ambient Fail</td><td>9 0.22 %</td></tr> <tr><td>No 0.02 Agreement</td><td>14 0.35 %</td></tr> <tr><td>Purge Fail</td><td>36 0.89 %</td></tr> <tr><td>Control Outside Tolerance</td><td>46 1.14 %</td></tr> <tr><td>Temperature Regulation Test</td><td>1 0.02 %</td></tr> <tr><td>Analytical Stability Test</td><td>0 0.00 %</td></tr> <tr><td>EEPROM Checksum Test</td><td>0 0.00 %</td></tr> <tr><td>Voltage/Current Test</td><td>0 0.00 %</td></tr> <tr><td>DSP Test</td><td>0 0.00 %</td></tr> </table> <p>Diagnostic Checks During Subject Tests</p> <table border="1"> <tr><td>Total # of All Diagnostic Checks</td><td>7893</td></tr> <tr><td># of Diagnostic Checks - OK</td><td>7892 99.99 %</td></tr> <tr><td># of Diagnostic Checks - Fail</td><td>1 0.01 %</td></tr> </table>	Average Breath Alcohol Concentration	0.143	# of Breath Samples <0.08 g/210L	1168 20 %	# of Breath Samples >=0.08 g/210L	4810 80 %	# of Breath Samples >=0.20 g/210L	1324 22 %	Volume Not Met	280 6.95 %	Slope Not Met	47 1.17 %	No Sample Provided	139 3.45 %	RFI Detect	83 2.06 %	Subject Test Refused	829 20.58 %	Slope Not Level	14 0.35 %	Sequence Aborted	20 0.50 %	Interferent Detect	15 0.37 %	Improper Sample	20 0.50 %	Range Exceeded	0 0.00 %	Ambient Fail	9 0.22 %	No 0.02 Agreement	14 0.35 %	Purge Fail	36 0.89 %	Control Outside Tolerance	46 1.14 %	Temperature Regulation Test	1 0.02 %	Analytical Stability Test	0 0.00 %	EEPROM Checksum Test	0 0.00 %	Voltage/Current Test	0 0.00 %	DSP Test	0 0.00 %	Total # of All Diagnostic Checks	7893	# of Diagnostic Checks - OK	7892 99.99 %	# of Diagnostic Checks - Fail	1 0.01 %
Driving Under the Influence	3876	96.20 %																																																																																																									
System Check	5	0.12 %																																																																																																									
Administrative	22	0.55 %																																																																																																									
Boating Under the Influence	69	1.71 %																																																																																																									
Court Ordered	24	0.60 %																																																																																																									
Other	14	0.35 %																																																																																																									
Probation/Parole	15	0.37 %																																																																																																									
Commercial Motor Vehicle	0	0.00 %																																																																																																									
0.02 Enforcement/Zero Tolerance	4	0.10 %																																																																																																									
Total Number of Breath Samples	7343																																																																																																										
Average Breath Volume - All Breath Samples	1.885 Liters																																																																																																										
# of Breath Samples with No Message Flag	5978 81.41 %																																																																																																										
# of Breath Samples with Message Flag	1365 18.59 %																																																																																																										
Total # of all Control Tests	7906																																																																																																										
Average of all Control Test Results	0.079																																																																																																										
# Control Tests within Acceptable Range	7853 99.33 %																																																																																																										
# Control Tests - Ctl Out Tolerance	46 0.58 %																																																																																																										
# Control Tests - Interferent Detect	5 0.06 %																																																																																																										
# Control Tests with RFI Detect	2 0.03 %																																																																																																										
Total # of All Air Blanks	22781																																																																																																										
# of Air Blanks with No Message Flag	22657 99.46 %																																																																																																										
# of Air Blanks with Message Flag	124 0.544 %																																																																																																										
Average Breath Alcohol Concentration	0.143																																																																																																										
# of Breath Samples <0.08 g/210L	1168 20 %																																																																																																										
# of Breath Samples >=0.08 g/210L	4810 80 %																																																																																																										
# of Breath Samples >=0.20 g/210L	1324 22 %																																																																																																										
Volume Not Met	280 6.95 %																																																																																																										
Slope Not Met	47 1.17 %																																																																																																										
No Sample Provided	139 3.45 %																																																																																																										
RFI Detect	83 2.06 %																																																																																																										
Subject Test Refused	829 20.58 %																																																																																																										
Slope Not Level	14 0.35 %																																																																																																										
Sequence Aborted	20 0.50 %																																																																																																										
Interferent Detect	15 0.37 %																																																																																																										
Improper Sample	20 0.50 %																																																																																																										
Range Exceeded	0 0.00 %																																																																																																										
Ambient Fail	9 0.22 %																																																																																																										
No 0.02 Agreement	14 0.35 %																																																																																																										
Purge Fail	36 0.89 %																																																																																																										
Control Outside Tolerance	46 1.14 %																																																																																																										
Temperature Regulation Test	1 0.02 %																																																																																																										
Analytical Stability Test	0 0.00 %																																																																																																										
EEPROM Checksum Test	0 0.00 %																																																																																																										
Voltage/Current Test	0 0.00 %																																																																																																										
DSP Test	0 0.00 %																																																																																																										
Total # of All Diagnostic Checks	7893																																																																																																										
# of Diagnostic Checks - OK	7892 99.99 %																																																																																																										
# of Diagnostic Checks - Fail	1 0.01 %																																																																																																										

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