



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 2, 2008

SUBJECT: **UPDATED** Intoxilyzer 8000 Subject Tests Statistical Data Review Summary – August 2007

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

Breath Test Statistics			Alcohol Concentration Statistics		
Total Number of Breath Tests:	4,617		(From Breath Samples with No Message Flag)		
Type of Test			Average Breath Alcohol Concentration	0.149	
Driving Under the Influence	4,506	97.6%	# of Breath Samples < 0.08 g/210L	1,149	16%
System Check	16	0.35%	# of Breath Samples >= 0.08 g/210L	5,816	84%
Administrative	25	0.54%	# of Breath Samples >= 0.20 g/210L	1,635	23%
Boating Under the Influence	25	0.54%	Messages (Total Number of Occurrences)		
Court Ordered	11	0.24%	Volume Not Met	404	8.75%
Other	19	0.41%	Slope Not Met	7	0.15%
Probation/Parole	8	0.17%	No Sample Provided	169	3.66%
Commercial Motor Vehicle	0	0%	RFI Detect	148	3.21%
0.02 Enforcement/Zero Tolerance	7	0.15%	Subject Test Refused	816	17.67%
Breath Sample Statistics			Slope Not Level	7	0.15%
Total Number of Breath Samples	8,494		Sequence Aborted	67	1.45%
Average Breath Volume—All Breath Samples	1.806 Liters		Interferent Detect	27	0.58%
# of Breath Samples with No Message Flag	6,965	82%	Improper Sample	9	0.19%
# of Breath Samples with Message Flag	1,529	18%	Range Exceeded	0	0%
Control Tests During Subject Tests			Ambient Fail	11	0.24%
Total # of All Control Tests	8,958		No .020 Agreement	17	0.37%
Average of All Control Test Results	0.079		Purge Fail	78	1.69%
# Control Tests within Acceptable Range	8,867	98.98%	Control Outside Tolerance	74	1.6%
# of Control Tests - Ctl Out Tolerance	74	0.83%	Temperature Regulation Test	3	0.06%
# Control Tests - Interferent Detect	9	0.10%	Analytical Stability Test	2	0.04%
# Control Tests with RFI Detect	8	0.09%	EEPROM Checksum Test	0	0%
			Voltage/Current Test	1	0.02%
Air Blanks During Subject Tests			Diagnostic Checks During Subject Tests		
Total # of All Air Blanks	26,237		Total # of All Diagnostic Checks	8,925	
# of Air Blanks with No Message Flag	26,033	99.22%	# of Diagnostic Checks – OK	8,919	99.93%
# of Air Blanks with Message Flag	204	0.78%	# of Diagnostic Checks – Fail	6	0.07%

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