



Florida Department of  
Law Enforcement

Richard L. Swearingen  
Commissioner

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## Memorandum

**To:** Department Inspectors  
**From:** Brett Kirkland, Program Manager *TSX*  
**Date:** Thursday, July 23, 2020  
**SUBJECT:** Intoxilyzer 8000 Subject Tests Statistical Data Review Summary - May 2020

The following information is based on the review of the May 2020 subject tests electronic data:

Breath Test Statistics		Alcohol Concentration Statistics	
Total Number of Breath Tests: 2152		From Breath Samples with No Message Flag	
<b>Type of Test</b>		Average Breath Alcohol Concentration 0.134	
Driving Under the Influence	1990 92.47 %	# of Breath Samples <0.08 g/210L	809 26 %
System Check	10 0.46 %	# of Breath Samples >=0.08 g/210L	2351 74 %
Administrative	10 0.46 %	# of Breath Samples >=0.15 g/210L	1509 48 %
Boating Under the Influence	138 6.41 %	<b>Messages (Total Number of Occurrences)</b>	
Court Ordered	0 0.00 %	Volume Not Met	159 7.39 %
Other	1 0.05 %	Slope Not Met	6 0.28 %
Probation/Parole	2 0.09 %	No Sample Provided	148 6.88 %
Commercial Motor Vehicle	0 0.00 %	RFI Detect	96 4.46 %
0.02 Enforcement/Zero Tolerance	1 0.05 %	Subject Test Refused	391 18.17 %
<b>Breath Sample Statistics</b>		Slope Not Level	5 0.23 %
Total Number of Breath Samples	3901	Sequence Aborted	11 0.51 %
Average Breath Volume - All Breath Samples	1.845 Liters	Interferent Detect	21 0.98 %
# of Breath Samples with No Message Flag	3160 81.0 %	Improper Sample	17 0.79 %
# of Breath Samples with Message Flag	741 19 %	Range Exceeded	0 0.00 %
<b>Control Tests During Subject Tests</b>		Ambient Fail	12 0.56 %
Total # of all Control Tests	4158	No 0.02 Agreement	8 0.37 %
Average of all Control Test Results	0.079	Purge Fail	15 0.70 %
# Control Tests within Acceptable Range	4102 98.65 %	Control Outside Tolerance	31 1.44 %
# Control Tests - Ctl Out Tolerance	31 0.75 %	Temperature Regulation Test	1 0.05 %
# Control Tests - Interferent Detect	19 0.46 %	Analytical Stability Test	0 0.00 %
# Control Tests with RFI Detect	6 0.14 %	EEPROM Checksum Test	0 0.00 %
<b>Air Blanks During Subject Tests</b>		Voltage/Current Test	0 0.00 %
Total # of All Air Blanks	12147	DSP Test	0 0.00 %
# of Air Blanks with No Message Flag	12031 99.05 %	<b>Diagnostic Checks During Subject Tests</b>	
# of Air Blanks with Message Flag	116 0.95 %	Total # of All Diagnostic Checks	4152
		# of Diagnostic Checks - OK	4148 99.90 %
		# of Diagnostic Checks - Fail	4 0.10 %

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