

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100687

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 03/15/2017

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.26: 0.078
LOT #: AG634001
EXPIRATION: 12/05/2018
TANK PRESSURE: 1154 psi

BLANK TEST	0.000	13:48
INTERNAL STANDARD	VERIFIED	13:48
Xq = 0.141 (1.81%)		
EXTERNAL STANDARD	0.077	13:48
X[1] = 0.0768 (-0.0007) (0.0035)		
BLANK TEST	0.000	13:49
EXTERNAL STANDARD	0.077	13:49
X[1] = 0.0766 (-0.0015) (0.0029)		
BLANK TEST	0.000	13:50
EXTERNAL STANDARD	0.077	13:50
X[1] = 0.0772 (-0.0006) (0.0028)		
BLANK TEST	0.000	13:51
EXTERNAL STANDARD	0.076	13:51
X[1] = 0.0765 (-0.0019) (0.0023)		
BLANK TEST	0.000	13:52
EXTERNAL STANDARD	0.077	13:53
X[1] = 0.0767 (-0.0009) (0.0019)		
BLANK TEST	0.000	13:53

Average = 0.0768
Std Dev = 0.0004

Diagnostic Check

VERSIONS

DMT: 3.02
PIC: 3.02
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.9°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 46.5°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.67 V	PASSED
(1.00 V - 2.34 V)	
Cooler Voltage = 1.58 V	PASSED
(0.97 V - 2.25 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 533 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.3 in	

PUMP INFO

Flow Rate = 4.272 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

PUMP ON	PASSED
(0.002 V <= 0.010 V)	
PUMP OFF	PASSED
(0.002 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD	PASSED
Xq = 0.140 1.29% (0.00% - 4.00%)	