

LINEARITY CHECK

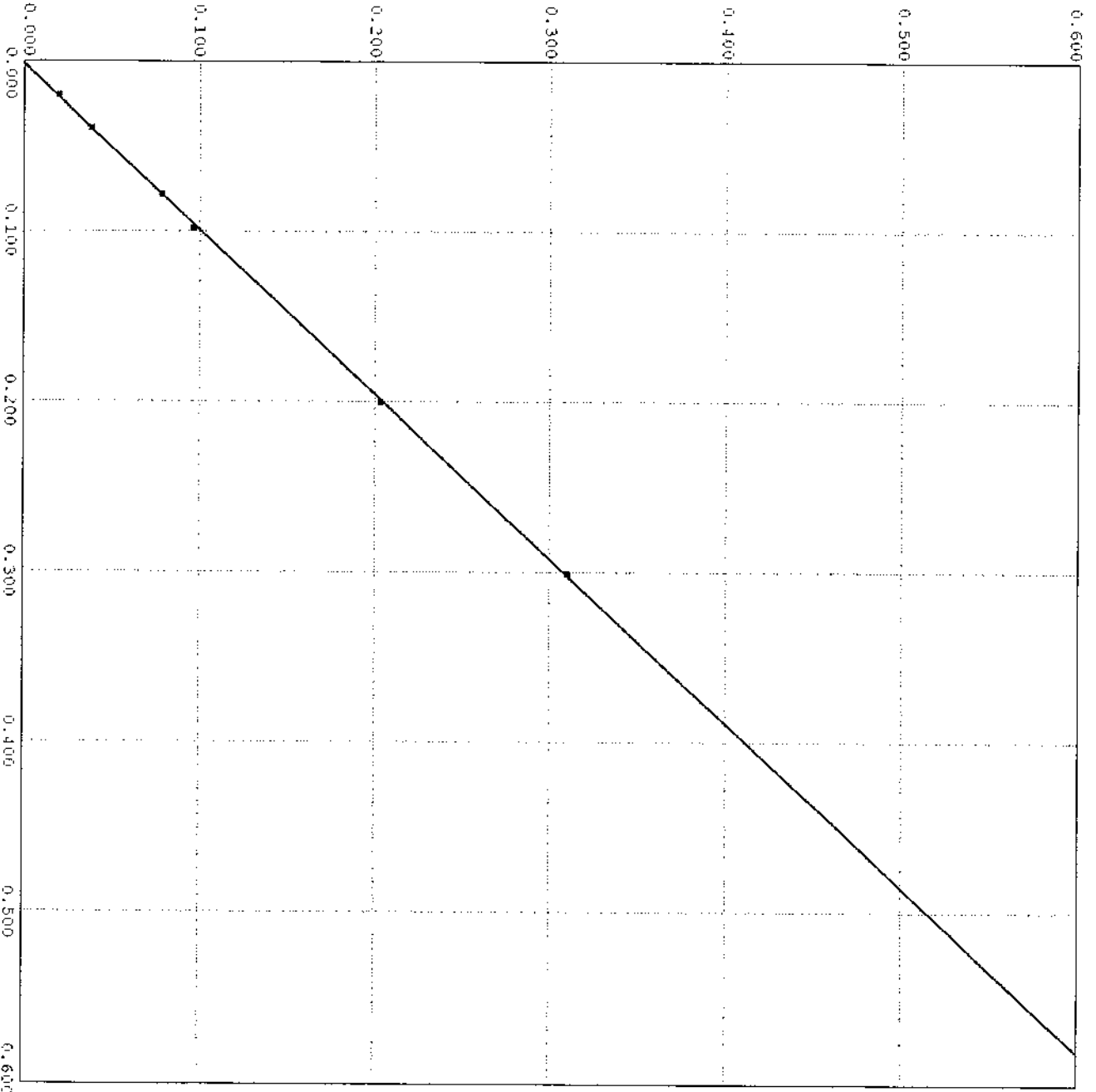
Alaska Department of Public Safety
DATA MASTER dmt: 100689

Date: 03/29/2017
Time: 12:43:53

SUPERVISOR NAME:
BRANDI BARNETT
OPERATOR'S #: 7038

TARGET	AVERAGE	STD. DEV.
0.020	0.0206	0.0005
0.039	0.0396	0.0011
0.078	0.0796	0.0005
0.098	0.0974	0.0009
0.200	0.2042	0.0013
0.300	0.3108	0.0008

SLOPE = 1.036032
R² = 0.999776



BMB

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100689

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 03/30/2017

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.41: 0.079
LOT #: AG634001
EXPIRATION: 12/05/2018
TANK PRESSURE: 1041 psi

BLANK TEST	0.000	10:13
INTERNAL STANDARD	VERIFIED	10:13
Xq = 0.095 (0.37%)		
EXTERNAL STANDARD	0.079	10:14
X[1] = 0.0789 (-0.0012) (0.0013)		
BLANK TEST	0.000	10:15
EXTERNAL STANDARD	0.080	10:15
X[1] = 0.0796 (-0.0011) (0.0015)		
BLANK TEST	0.000	10:16
EXTERNAL STANDARD	0.080	10:16
X[1] = 0.0797 (-0.0006) (0.0011)		
BLANK TEST	0.000	10:17
EXTERNAL STANDARD	0.079	10:17
X[1] = 0.0794 (-0.0006) (0.0014)		
BLANK TEST	0.000	10:18
EXTERNAL STANDARD	0.080	10:18
X[1] = 0.0803 (-0.0013) (0.0017)		
BLANK TEST	0.000	10:19

Average = 0.0796
Std Dev = 0.0005

Diagnostic Check

VERSIONS

DMT: 3.02
PIC: 3.03
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 48.1°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.75 V	PASSED
(1.05 V - 2.45 V)	
Cooler Voltage = 1.73 V	PASSED
(1.04 V - 2.42 V)	
Bias Voltage = 79 V	PASSED
(48 V - 112 V)	
Chopper Freq = 536 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.4 in	

PUMP INFO

Flow Rate = 4.311 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 = 0.095 0.46% (0.00% - 4.00%)