

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Issued: 04/03/2018
Effective: 04/04/2018

Version: DMEF2018 R0
Status: Active

Instrument # 100367

Date: 10/14/19

Analyst: Derek Walton

1. Reason for instrument evaluation

During certification, did not meet slope requirement for linearity

2. Visual Inspection

Clean

Replace missing screws

Cermetex Box is secure

Ensure modem cable present

Gas Valve upright or secured to wall

All tubing and connections are secure

*Refer to evaluation from
9/30/19 DM*

3. O-ring inspection and ensure 2 O-rings in replacement bag

4. Troubleshooting/Repair

Calibration recommended.

5. VOC (attached)

6. Internal Standard value $\leq 3.00\%$ Yes No

7. Verify software version

Return to Factory for Repair

Ready for Calibration

Ready for Certification

Proceed to Close Out

LINEARITY CHECK

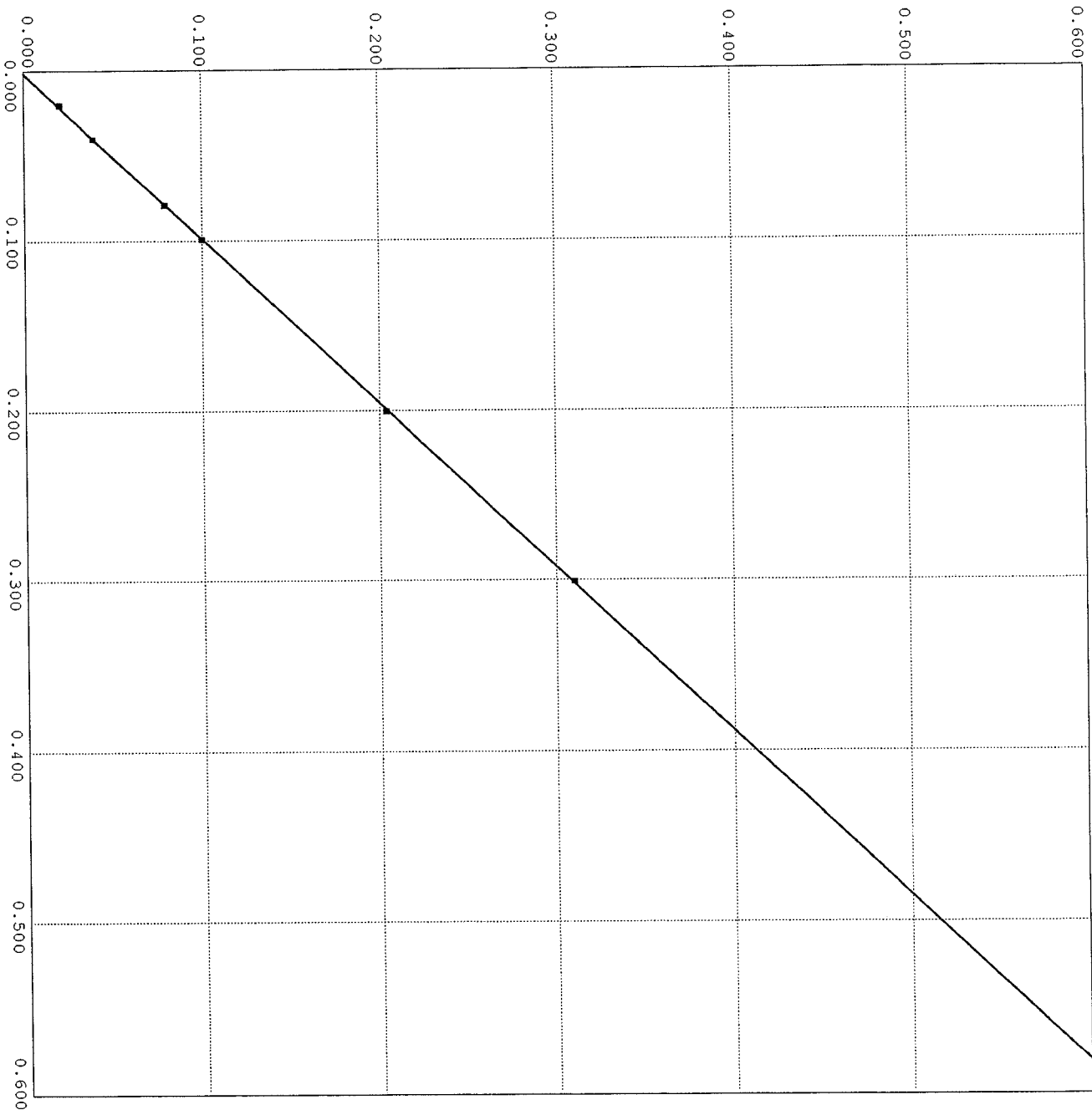
Alaska Department of Public Safety
DATAMASTER dmt: 100367

Date: 10/14/2019
Time: 10:39:13

SUPERVISOR NAME:
DEREK WALTON
OPERATOR'S #: 9508

TARGET	AVERAGE	STD. DEV.
0.020	0.0210	0.0000
0.040	0.0402	0.0004
0.079	0.0800	0.0000
0.099	0.1008	0.0004
0.200	0.2046	0.0015
0.300	0.3108	0.0004

SLOPE = 1.035954
 R^2 = 0.999897



JM

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100367

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 10/14/2019

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.57: 0.079
LOT #: AG826101
EXPIRATION: 09/18/2020
TANK PRESSURE: 764 psi

BLANK TEST	0.000	12:14
INTERNAL STANDARD	VERIFIED	12:14
Xq = 0.082	(0.11%)	
EXTERNAL STANDARD	0.080	12:15
X[1] = 0.0801	(-0.0012) (0.0008)	
BLANK TEST	0.000	12:15
EXTERNAL STANDARD	0.080	12:16
X[1] = 0.0798	(-0.0016) (-0.0003)	
BLANK TEST	0.000	12:17
EXTERNAL STANDARD	0.080	12:17
X[1] = 0.0801	(-0.0018) (-0.0002)	
BLANK TEST	0.000	12:18
EXTERNAL STANDARD	0.080	12:18
X[1] = 0.0803	(-0.0014) (0.0001)	
BLANK TEST	0.000	12:19
EXTERNAL STANDARD	0.080	12:19
X[1] = 0.0800	(-0.0022) (-0.0005)	
BLANK TEST	0.000	12:20

Average = 0.0800
Std Dev = 0.0000

Diagnostic Check

VERSIONS

DMT: 3.02
PIC: 3.06
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 42.7°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.54 V	PASSED
(0.95 V - 2.23 V)	
Cooler Voltage = 1.68 V	PASSED
(0.96 V - 2.24 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 523 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.6 in	

PUMP INFO

Flow Rate = 4.295 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

PUMP ON	PASSED
(0.003 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

Xq = 0.082	(0.21%)	(0.00% - 4.00%)	PASSED
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