

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Issued: 7/10/2015
Effective: 7/10/2015

Version: DMEF2015 R0
Status: Active

Instrument # 100378

Date: 8/20/15

Analyst: Colleen O'Bryen

1. Reason for instrument evaluation

Instrument not registering breath flow

2. Visual Inspection

3. Troubleshooting/Repair

5 way valve not opening/closing completely when manually manipulated. Plunger appears to be malfunctioning.

Replaced 5-way valve and ran a VOC

Pranded a Non-drinking subject test

Pushed a sample of a 0.100 simulator (solution) using a 2d syringe.

All tests completed successfully.

4. VOC (attached)

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

6. Verify software version

Return to Factory for Repair

Ready For Calibration

Ready For Certification

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100378

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 08/26/2015

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.80: 0.080
LOT #: 09214080A2
EXPIRATION: 05/01/2016
TANK PRESSURE: 325 psi

BLANK TEST	0.000	15:17
INTERNAL STANDARD	VERIFIED	15:17
Xq = 0.079 (0.33%)		
EXTERNAL STANDARD	0.076	15:17
X[1] = 0.0764 (-0.0005) (0.0011)		
BLANK TEST	0.000	15:18
EXTERNAL STANDARD	0.077	15:19
X[1] = 0.0772 (-0.0011) (-0.0006)		
BLANK TEST	0.000	15:20
EXTERNAL STANDARD	0.077	15:20
X[1] = 0.0773 (-0.0009) (0.0007)		
BLANK TEST	0.000	15:21
EXTERNAL STANDARD	0.078	15:21
X[1] = 0.0781 (0.0012) (0.0013)		
BLANK TEST	0.000	15:22
EXTERNAL STANDARD	0.078	15:22
X[1] = 0.0776 (0.0008) (0.0008)		
BLANK TEST	0.000	15:23

Average = 0.0772
Std Dev = 0.0008

Diagnostic Check

VERSIONS

DMT: 3.01
PIC: 3.02
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.8°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 48.1°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.55 V	PASSED
(0.95 V - 2.21 V)	
Cooler Voltage = 1.57 V	PASSED
(0.96 V - 2.24 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 535 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.8 in	

PUMP INFO

Flow Rate = 4.466 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
(0.003 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD

Xq = 0.078	PASSED
1.42% (0.00% - 4.00%)	

I, Nita J. Bolz, after being first duly sworn, depose and state as follows:

- (1) I am a Forensic Scientist IV at the State of Alaska Scientific Crime Detection Laboratory.
- (2) The Alaska Scientific Crime Detection Laboratory is an entity within the Department of Public Safety.
- (3) I am the Scientific Director of the State Breath Alcohol Program.
- (4) In that capacity, I am responsible for overseeing the Breath Alcohol Program, which includes assuring that instruments are calibrated and maintaining program records.
- (5) The above is a true and accurate verification of calibration, which is performed by the instrument's software, as specified by the State Breath Alcohol Program. Verification of calibration is a regularly conducted and regularly recorded activity of the State Breath Alcohol Program.
- (6) The referenced instrument is certified for evidentiary use in the State of Alaska.

Nita J. Bolz
Scientific Director
State Breath Alcohol Program

Subscribed and sworn before me this _____ day of _____, 20 _____

SUBJECT TEST

Alaska Department of Public Safety
DATA MASTER dmt: 100378

Date: 08/26/2015
Time: 15:24:04

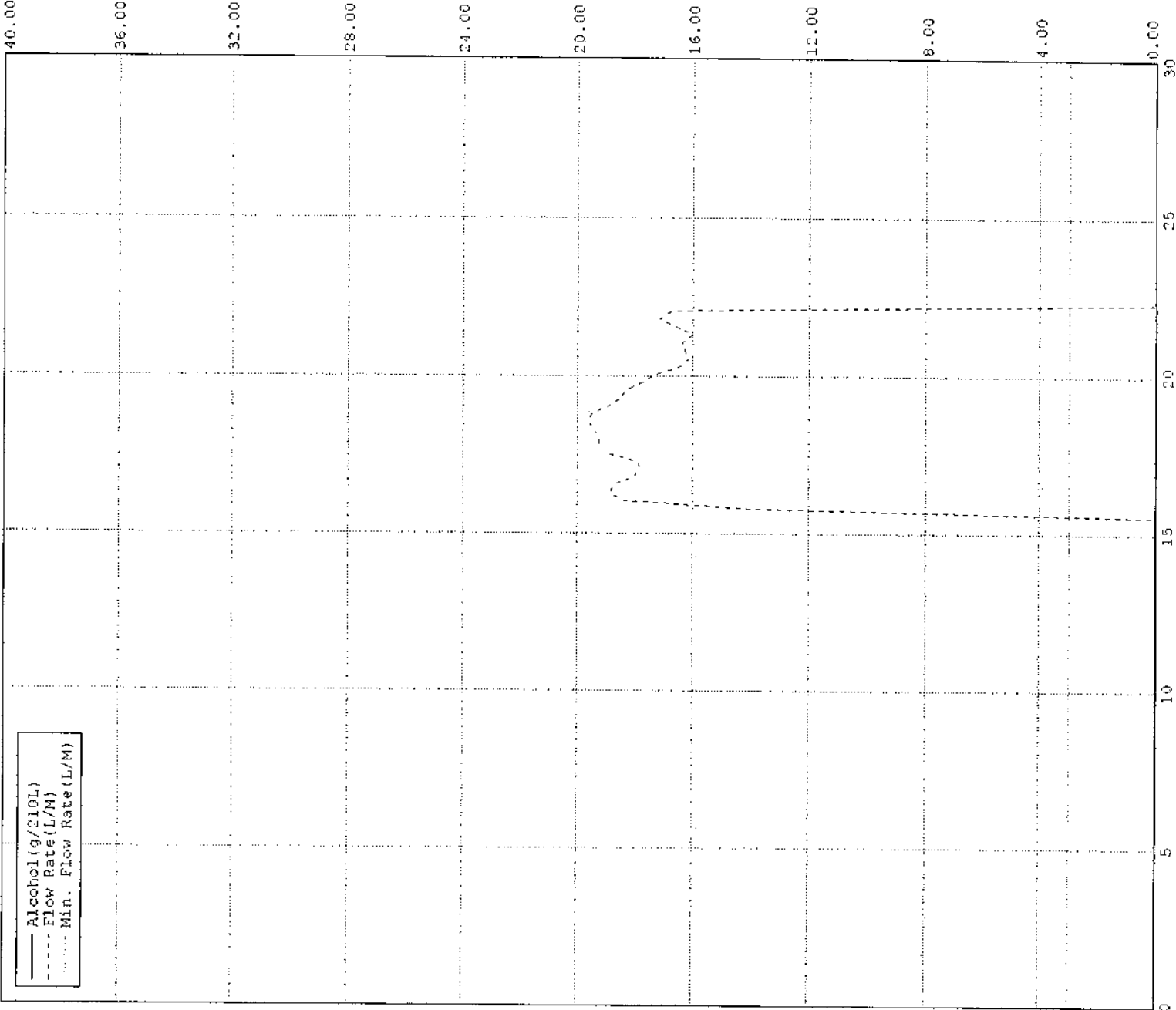
SUBJECT NAME:
TEST TEST
LICENSE #: NONDRINKING

OPERATOR NAME:
COLLEEN S OBRYANT
OPERATOR'S #: 6237

DEPT/AGENCY:
AAA1
CASE/REPORT: 15-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.80: 0.080
LOT #: 09214080A2
EXPIRATION: 05/01/2016

DIAGNOSTIC CHECK	PASSED	15:25
BLANK TEST	0.000	15:25
INTERNAL STANDARD	VERIFIED	15:25
EXTERNAL STANDARD	0.078	15:25
BLANK TEST	0.000	15:26
SUBJECT SAMPLE (Vol=1.93L)	0.000	15:26
BLANK TEST	0.000	15:27
EXTERNAL STANDARD	0.079	15:28
BLANK TEST	0.000	15:28



SUBJECT TEST

Alaska Department of Public Safety
DATA MASTER dmt: 100378

Date: 08/26/2015
Time: 15:31:18

SUBJECT NAME:
TEST TEST
LICENSE #: 0.100 SIM

OPERATOR NAME:
COLLEEN S OBRVANT
OPERATOR'S #: 6237

DEPT/AGENCY:
AAA1

CASE/REPORT: 15-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.80: 0.080
LOT #: 09214080A2
EXPIRATION: 05/01/2016

DIAGNOSTIC CHECK	PASSED	15:32
BLANK TEST	0.000	15:32
INTERNAL STANDARD	VERIFIED	15:32
EXTERNAL STANDARD	0.079	15:32
BLANK TEST	0.000	15:33
SUBJECT SAMPLE (Vol=2.06L)	0.095	15:34
BLANK TEST	0.000	15:35
EXTERNAL STANDARD	0.078	15:35
BLANK TEST	0.000	15:36

