

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF2015 R0
Status: Active

Instrument # 100397

Date: 8/3/15

Analyst: Colleen O'Bryant

1. Reason for instrument evaluation

Instrument wasn't registering breath flow during subject samples.

2. Visual Inspection

3. Troubleshooting/Repair

The 5-way valve plunger was stuck in the "on" position. Plunger pressed all the way. Moved the plunger by hand and noticed it moved very roughly and with resistance. Set screw was also loose and I was able to remove it easily with my fingers.

Ran a non-drinking subject test and the plunger was stuck 1/2 way mid-test + wasn't registering breath. Moved the plunger w/ my finger and the test completed.

4. VOC (attached) Subject sample.

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

6. Verify software version

Return to Factory for Repair

Ready For Calibration

Ready For Certification

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100397

Date: 08/03/2015
Time: 11:23:40

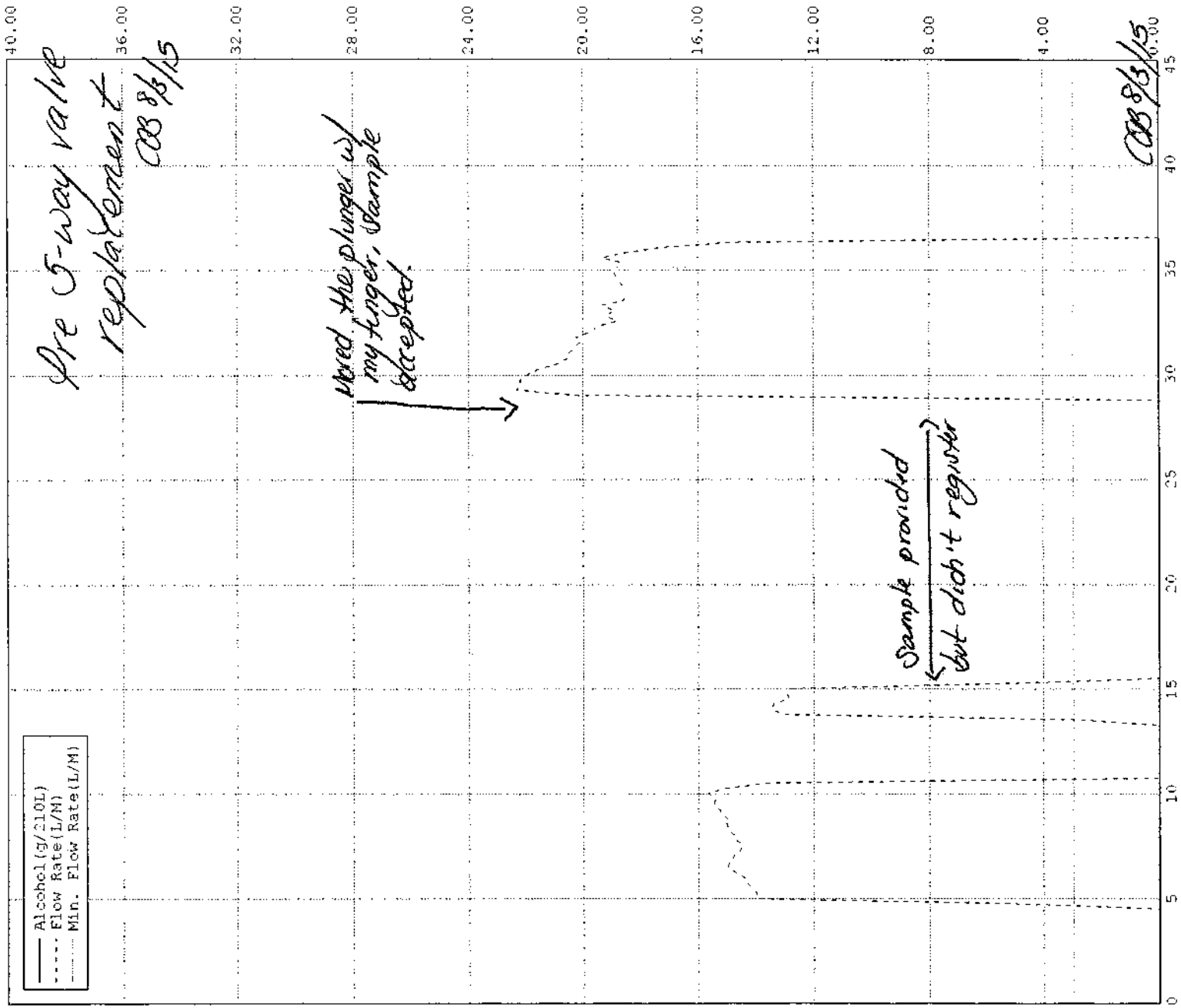
SUBJECT NAME:
TEST TEST
LICENSE #: TEST

OPERATOR NAME:
COLLEEN S O'BRYAN
OPERATOR'S #: 6237

DEPT/AGENCY:
AAA1
CASE/REPORT: 15-12345
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.87: 0.080
LOT #: 09214080A2
EXPIRATION: 05/01/2016

DIAGNOSTIC CHECK	PASSED	TIME
BLANK TEST	0.000	11:24
INTERNAL STANDARD	VERIFIED	11:24
EXTERNAL STANDARD	0.078	11:25
BLANK TEST	0.000	11:26
SUBJECT SAMPLE (Vol=2.45L)	0.000	11:26
BLANK TEST	0.000	11:27
EXTERNAL STANDARD	0.079	11:27
BLANK TEST	0.000	11:28



COB 8/3/15

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dnt: 100397

Date: 08/10/2015
Time: 14:19:19

SUBJECT NAME:
TEST TEST
LICENSE #: 0.100 SIM

OPERATOR NAME:
COLLEEN S O'BRYAN
OPERATOR'S #: 6237

DEPT/AGENCY:
AAA1

CASE/REPORT: 15-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

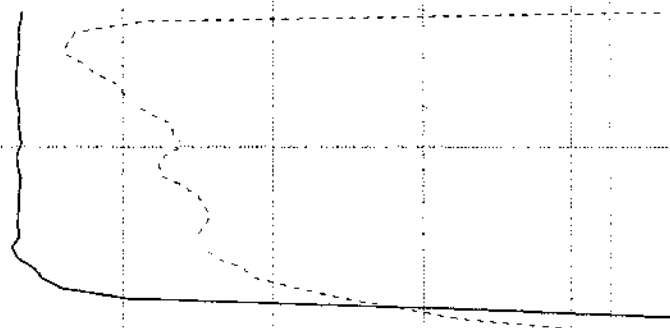
NOMINAL: 0.080
TARGET AT 29.38: 0.079
LOT #: 09214080A2
EXPIRATION: 05/01/2016

DIAGNOSTIC CHECK	PASSED	14:20
BLANK TEST	0.000	14:20
INTERNAL STANDARD	VERIFIED	14:20
EXTERNAL STANDARD	0.078	14:20
BLANK TEST	0.000	14:21
SUBJECT SAMPLE (Vol=1.80L)	0.094	14:22
BLANK TEST	0.000	14:23
EXTERNAL STANDARD	0.077	14:23
BLANK TEST	0.000	14:24

Guth 0.100
Lot # 15050
Exp 6/9/17
Sumulator Spn DR4178
Calibrated: 7/19/15
CS
CS
8/10/15

Alcohol (g/210L)
Flow Rate (L/M)
Min. Flow Rate (L/M)

part 5-way valve
replacement
CS 8/10/15



VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100397

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 08/10/2015

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.38: 0.079
LOT #: 09214080A2
EXPIRATION: 05/01/2016
TANK PRESSURE: 793 psi

BLANK TEST	0.000	14:06
INTERNAL STANDARD	VERIFIED	14:06
Xq = 0.092 (1.12%)		
EXTERNAL STANDARD	0.077	14:06
X[1] = 0.0770 (-0.0012) (0.0024)		
BLANK TEST	0.000	14:07
EXTERNAL STANDARD	0.077	14:07
X[1] = 0.0774 (-0.0016) (0.0017)		
BLANK TEST	0.000	14:08
EXTERNAL STANDARD	0.078	14:08
X[1] = 0.0778 (-0.0005) (0.0019)		
BLANK TEST	0.000	14:09
EXTERNAL STANDARD	0.078	14:09
X[1] = 0.0778 (-0.0011) (0.0019)		
BLANK TEST	0.000	14:10
EXTERNAL STANDARD	0.078	14:10
X[1] = 0.0779 (-0.0015) (0.0013)		
BLANK TEST	0.000	14:11

Average = 0.0776
Std Dev = 0.0005

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 44.5°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.71 V	PASSED
(1.03 V - 2.41 V)	
Cooler Voltage = 1.64 V	PASSED
(1.04 V - 2.44 V)	
Bias Voltage = 81 V	PASSED
(49 V - 113 V)	
Chopper Freq = 527 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.4 in	

PUMP INFO

Flow Rate = 3.941 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
(0.003 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD PASSED

Xq = 0.091 (1.87%) (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 _____