

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF2018 R0
Status: Active

Instrument # 100402

Date: 10/10/18

Analyst: Colleen O'Bryant

1. Reason for instrument evaluation

Instrument not registering flow during subject sample.

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

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

4. Troubleshooting/Repair

Set screw missing from 5-way valve
Replaced 5 way valve and performed
tests with a 0.100 simulator (blown through)
the breath hose as well as a VOC.

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

SUBJECT TEST

Alaska Department of Public Safety

DATAMASTER dmt: 100402

Date: 10/10/2018

Time: 12:08:01

SUBJECT NAME:

TEST TEST

LICENSE #: 0.100 SIM

OPERATOR NAME:

COLLEEN S O'BRYAN

OPERATOR'S #: 6237

DEPT/AGENCY:

AAA1

CASE/REPORT: 18-1234

TEST TYPE: TEST

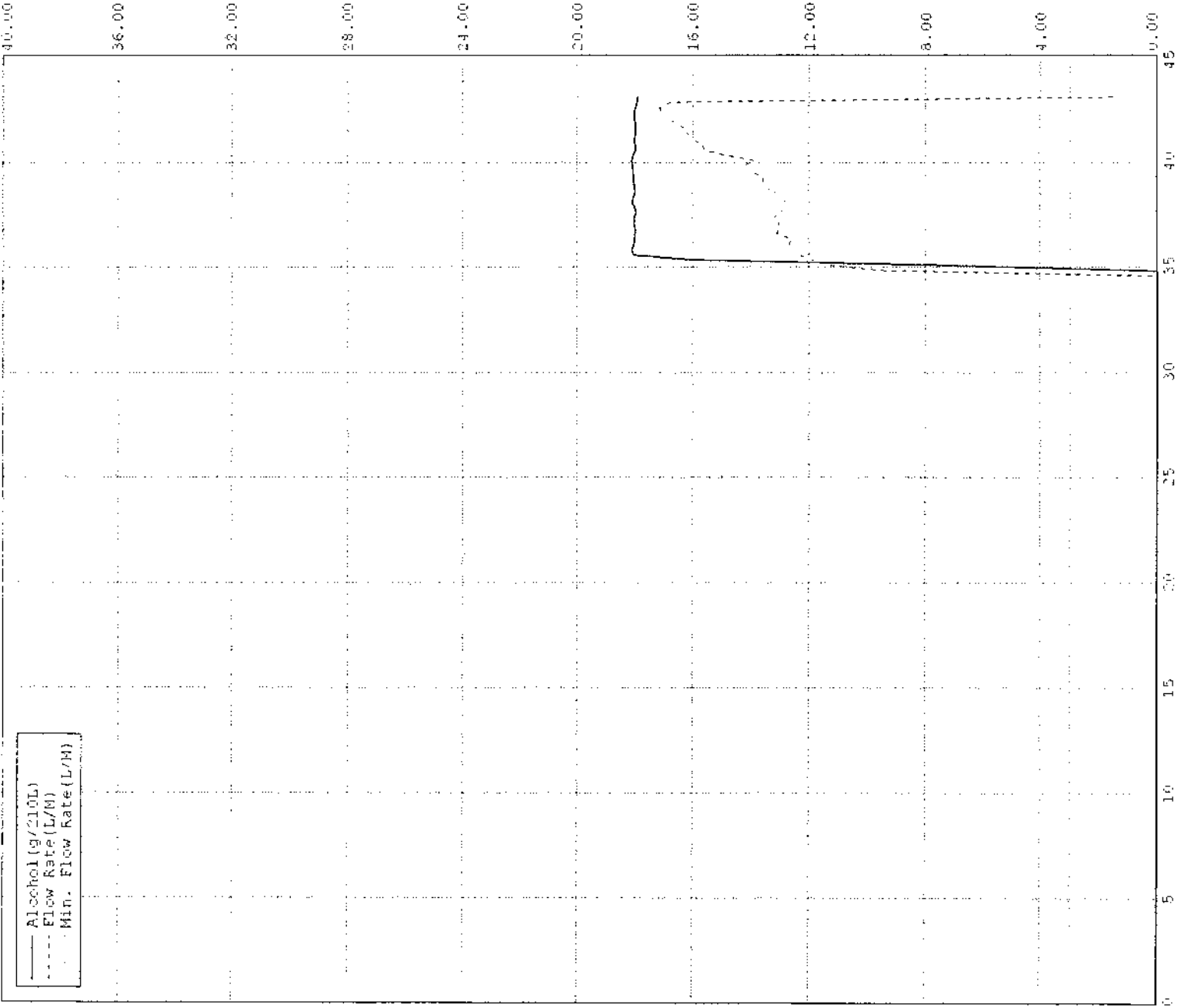
EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.12: 0.078

DIAGNOSTIC CHECK	PASSED	TIME
BLANK TEST	0.000	12:09
INTERNAL STANDARD	VERIFIED	12:09
EXTERNAL STANDARD	0.074	12:09
BLANK TEST	0.000	12:10
SUBJECT SAMPLE (Vol=1.93L)	0.090	12:11
BLANK TEST	0.000	12:12
EXTERNAL STANDARD	0.073	12:12
BLANK TEST	0.000	12:13

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



VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100402

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 10/10/2018

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.11: 0.078
LOT #: AG735001
EXPIRATION: 12/16/2019
TANK PRESSURE: 1164 psi

BLANK TEST	0.000	12:20
INTERNAL STANDARD	VERIFIED	12:20
Xq = 0.084 (2.21%)		
EXTERNAL STANDARD	0.075	12:20
X[1] = 0.0749 (-0.0027) (0.0010)		
BLANK TEST	0.000	12:21
EXTERNAL STANDARD	0.075	12:21
X[1] = 0.0748 (-0.0024) (0.0011)		
BLANK TEST	0.000	12:22
EXTERNAL STANDARD	0.075	12:22
X[1] = 0.0751 (-0.0019) (0.0015)		
BLANK TEST	0.000	12:23
EXTERNAL STANDARD	0.075	12:24
X[1] = 0.0746 (-0.0028) (0.0007)		
BLANK TEST	0.000	12:24
EXTERNAL STANDARD	0.075	12:25
X[1] = 0.0750 (-0.0023) (0.0008)		
BLANK TEST	0.000	12:26

Average = 0.0750
Std Dev = 0.0000

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.8°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 46.1°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.80 V	PASSED
(1.11 V - 2.59 V)	
Cooler Voltage = 1.69 V	PASSED
(0.95 V - 2.23 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 533 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.1 in	

PUMP INFO

Flow Rate = 4.714 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	PASSED
Xq = 0.084 2.32% (0.00% - 4.00%)	