

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF2015 R0
Status: Active

Instrument # 100344

Date: 3/25/16

Analyst: CWF

1. Reason for instrument evaluation

Preventative Maintenance / High Number of RFI Status Messages

2. Visual Inspection

3. Troubleshooting/Repair

Performed VOC and non-drinking subject test on 3/25/16

Performed diagnostic test, non-drinking subject test, and VOC on 3/29/16

No issues indicated

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 #: 100344

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 03/25/2016

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.44: 0.079
LOT #: 01315080A2
EXPIRATION: 02/05/2017
TANK PRESSURE: 805 psi

BLANK TEST	0.000	15:31
INTERNAL STANDARD	VERIFIED	15:31
Xq = 0.106 (1.09%)		
EXTERNAL STANDARD	0.078	15:31
X[1] = 0.0780 (-0.0036) (-0.0012)		
BLANK TEST	0.000	15:32
EXTERNAL STANDARD	0.078	15:33
X[1] = 0.0784 (-0.0034) (-0.0010)		
BLANK TEST	0.000	15:33
EXTERNAL STANDARD	0.078	15:34
X[1] = 0.0780 (-0.0037) (-0.0013)		
BLANK TEST	0.000	15:35
EXTERNAL STANDARD	0.078	15:35
X[1] = 0.0779 (-0.0037) (-0.0010)		
BLANK TEST	0.000	15:36
EXTERNAL STANDARD	0.078	15:36
X[1] = 0.0784 (-0.0030) (-0.0006)		
BLANK TEST	0.000	15:37

Average = 0.0780
Std Dev = 0.0000

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.6°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 48.1°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 2.11 V	PASSED
(1.29 V - 3.01 V)	
Cooler Voltage = 1.97 V	PASSED
(1.04 V - 2.44 V)	
Bias Voltage = 79 V	PASSED
(48 V - 112 V)	
Chopper Freq = 521 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.4 in	

PUMP INFO

Flow Rate = 5.733 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

PUMP ON	PASSED
(0.001 V <= 0.010 V)	
PUMP OFF	PASSED
(0.001 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD PASSED

Xq = 0.106 1.43% (0.00% - 4.00%)

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100344

Date: 03/25/2016
Time: 15:40:08

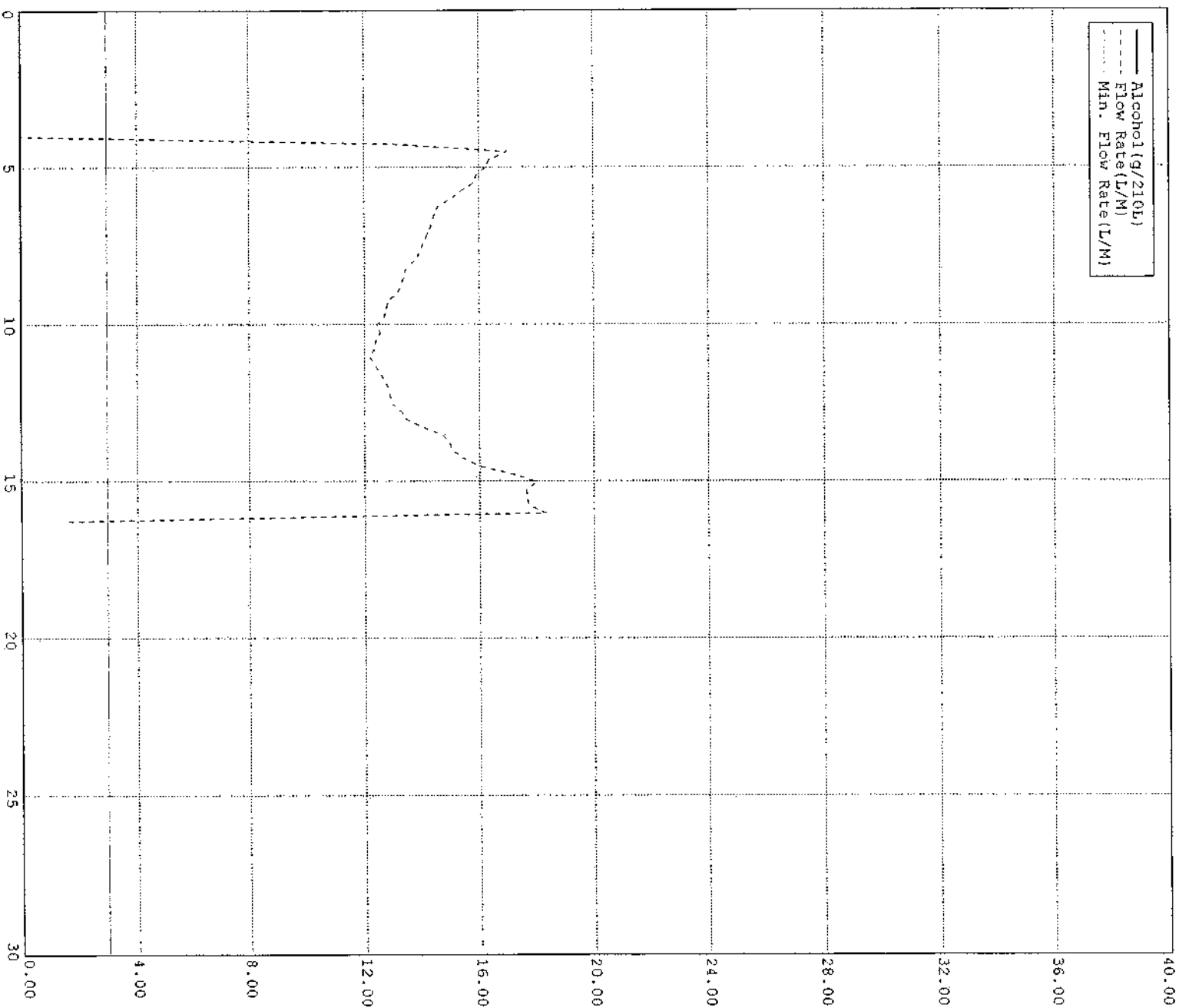
SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
CHARLES FOSTER
OPERATOR'S #: 7734

DEPT/AGENCY:
XXXX
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.44: 0.079
LOT #: 01315080A2
EXPIRATION: 02/05/2017

DIAGNOSTIC CHECK	PASSED	15:41
BLANK TEST	0.000	15:41
INTERNAL STANDARD	VERIFIED	15:41
EXTERNAL STANDARD	0.079	15:41
BLANK TEST	0.000	15:42
SUBJECT SAMPLE (Vol=2.89L)	0.000	15:43
BLANK TEST	0.000	15:43
EXTERNAL STANDARD	0.078	15:44
BLANK TEST	0.000	15:45



DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100344

Date: 03/29/2016
Time: 09:16:19

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

TEMPERATURES

Sample Chamber = 48.6°C PASSED
(44.0°C - 52.0°C)
Breath Tube = 47.8°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 2.12 V PASSED
(1.29 V - 3.01 V)
Cooler Voltage = 1.97 V PASSED
(1.04 V - 2.44 V)
Bias Voltage = 79 V PASSED
(48 V - 112 V)
Chopper Freq = 534 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.7 in

PUMP INFO

Flow Rate = 5.960 L/M PASSED
(3.500 L/M - 6.500 L/M)

DETECTOR INFO

PUMP ON PASSED
(0.001 V <= 0.010 V)
PUMP OFF PASSED
(0.001 V <= 0.010 V)

FILTER INFO

Filter 1 PASSED
Filter 2 PASSED
Filter 3 PASSED

INTERNAL STANDARD PASSED

Xq = 0.106 1.18% (0.00% - 4.00%)

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100344

Date: 03/29/2016
Time: 09:19:03

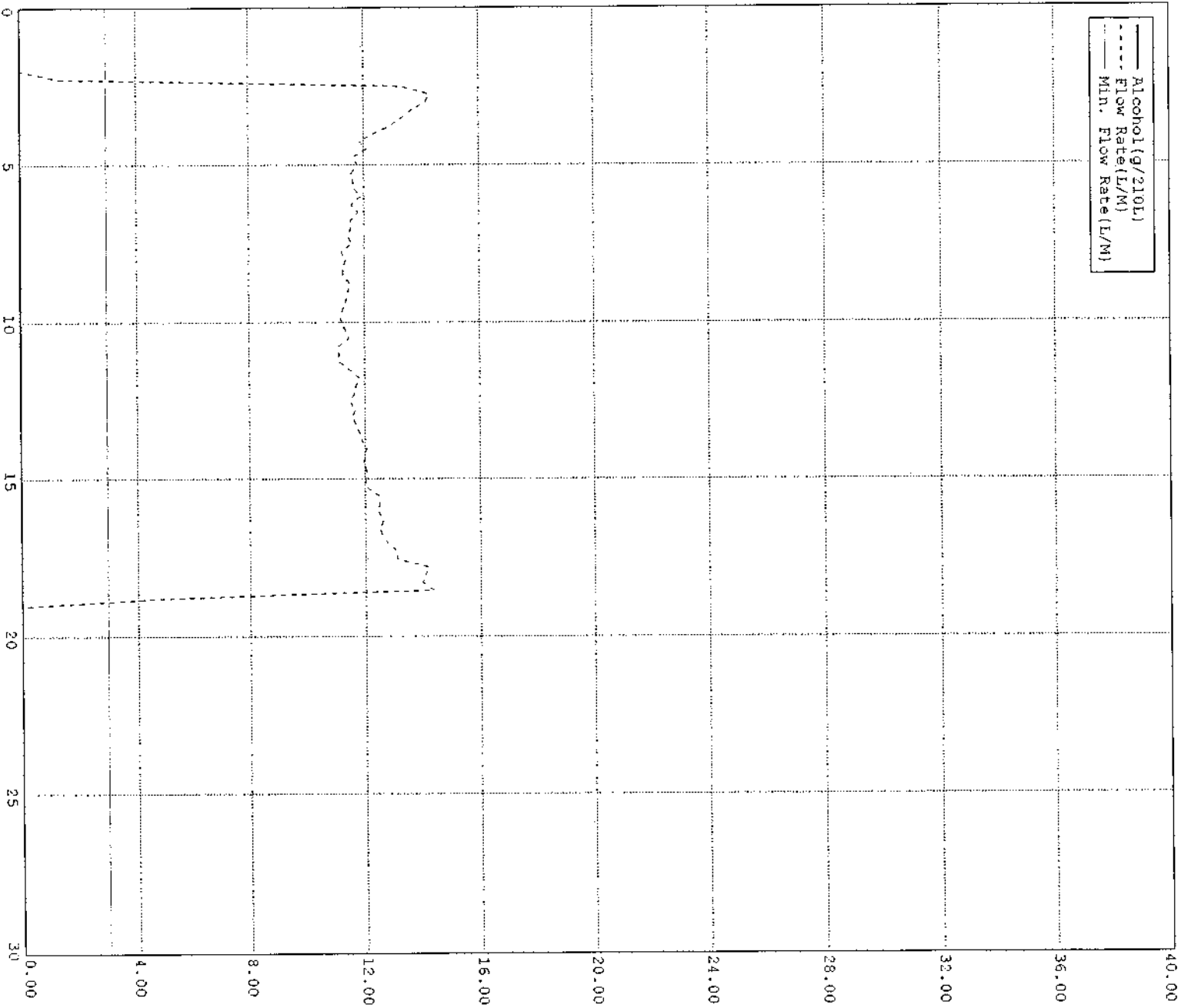
SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
CHARLES FOSTER
OPERATOR'S #: 7734

DEPT/AGENCY:
XXXX
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.74: 0.080
LOT #: 01315080A2
EXPIRATION: 02/05/2017

TEST TYPE	RESULT	TIME
DIAGNOSTIC CHECK	PASSED	09:20
BLANK TEST	0.000	09:20
INTERNAL STANDARD	VERIFIED	09:20
EXTERNAL STANDARD	0.079	09:20
BLANK TEST	0.000	09:21
SUBJECT SAMPLE (Vol=3.31L)	0.000	09:21
BLANK TEST	0.000	09:22
EXTERNAL STANDARD	0.079	09:22
BLANK TEST	0.000	09:23



VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100344

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 03/29/2016

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.74: 0.080
LOT #: 01315080A2
EXPIRATION: 02/05/2017
TANK PRESSURE: 790 psi

BLANK TEST	0.000	09:26
INTERNAL STANDARD	VERIFIED	09:27
Xq = 0.106 (1.52%)		
EXTERNAL STANDARD	0.079	09:27
X[1] = 0.0789 (-0.0016) (0.0010)		
BLANK TEST	0.000	09:28
EXTERNAL STANDARD	0.079	09:28
X[1] = 0.0788 (-0.0017) (0.0009)		
BLANK TEST	0.000	09:29
EXTERNAL STANDARD	0.079	09:29
X[1] = 0.0788 (-0.0017) (0.0009)		
BLANK TEST	0.000	09:30
EXTERNAL STANDARD	0.079	09:30
X[1] = 0.0789 (-0.0016) (0.0010)		
BLANK TEST	0.000	09:31
EXTERNAL STANDARD	0.079	09:31
X[1] = 0.0788 (-0.0017) (0.0003)		
BLANK TEST	0.000	09:32

Average = 0.0790
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 = 46.4°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 2.12 V	PASSED
(1.29 V - 3.01 V)	
Cooler Voltage = 1.97 V	PASSED
(1.04 V - 2.44 V)	
Bias Voltage = 79 V	PASSED
(48 V - 112 V)	
Chopper Freq = 533 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.7 in	

PUMP INFO

Flow Rate = 5.927 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

PUMP ON	PASSED
(0.001 V <= 0.010 V)	
PUMP OFF	PASSED
(0.001 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD

Xq = 0.106 1.35% (0.00% - 4.00%)	PASSED
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