

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Issued: 05/15/2020
Effective: 05/15/2020

Version: DMEF 2020 R0
Status: Active

Instrument # 100674

Start Date: 11/13/20

Analysts: Derck Walton

Reason for instrument evaluation

Refurbished by factory for screen freezing

Visual Inspection

- | | |
|---|---|
| <input checked="" type="checkbox"/> Clean | <input checked="" type="checkbox"/> Replace missing screws |
| <input checked="" type="checkbox"/> Cermetex Box is secure | <input checked="" type="checkbox"/> Ensure modem cable present |
| <input checked="" type="checkbox"/> Gas Valve upright or secured to wall | <input checked="" type="checkbox"/> All tubing and connections are secure |
| <input checked="" type="checkbox"/> O-ring inspection and ensure 2 O-rings in replacement bag | |

Troubleshooting/Repair

Mirror blocks taped, controller board jumper present.

Added o-ring.

- VOC (attached)
- Internal Standard value $\leq 3.00\%$
- Verify software version

- | | |
|---|--|
| <input type="checkbox"/> Return to Factory for Repair | <input type="checkbox"/> Ready for Calibration |
| <input checked="" type="checkbox"/> Ready for Certification | <input type="checkbox"/> Proceed to Close Out |

End Date: 11/13/20

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100674

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/13/2020

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.08: 0.078
LOT #: AG018102
EXPIRATION: 06/29/2022
TANK PRESSURE: 1082 psi

BLANK TEST	0.000	13:41
INTERNAL STANDARD ✓	VERIFIED	13:41
Xq = 0.098 (0.45%)		
EXTERNAL STANDARD	0.077	13:42
X[1] = 0.0771 (-0.0021) (0.0004)		
BLANK TEST	0.000	13:43
EXTERNAL STANDARD	0.077	13:43
X[1] = 0.0770 (-0.0020) (0.0004)		
BLANK TEST	0.000	13:44
EXTERNAL STANDARD	0.077	13:44
X[1] = 0.0769 (-0.0023) (0.0001)		
BLANK TEST	0.000	13:45
EXTERNAL STANDARD	0.077	13:45
X[1] = 0.0770 (-0.0022) (-0.0006)		
BLANK TEST	0.000	13:46
EXTERNAL STANDARD	0.077	13:46
X[1] = 0.0770 (-0.0019) (-0.0008)		
BLANK TEST	0.000	13:47

Average = 0.0770
Std Dev = 0.0000

Diagnostic Check

VERSIONS

DMT: 3.02 ✓
PIC: 3.03
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 46.4°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.80 V	PASSED
(1.08 V - 2.52 V)	
Cooler Voltage = 1.83 V	PASSED
(1.10 V - 2.56 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 522 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.1 in	

PUMP INFO

Flow Rate = 4.844 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

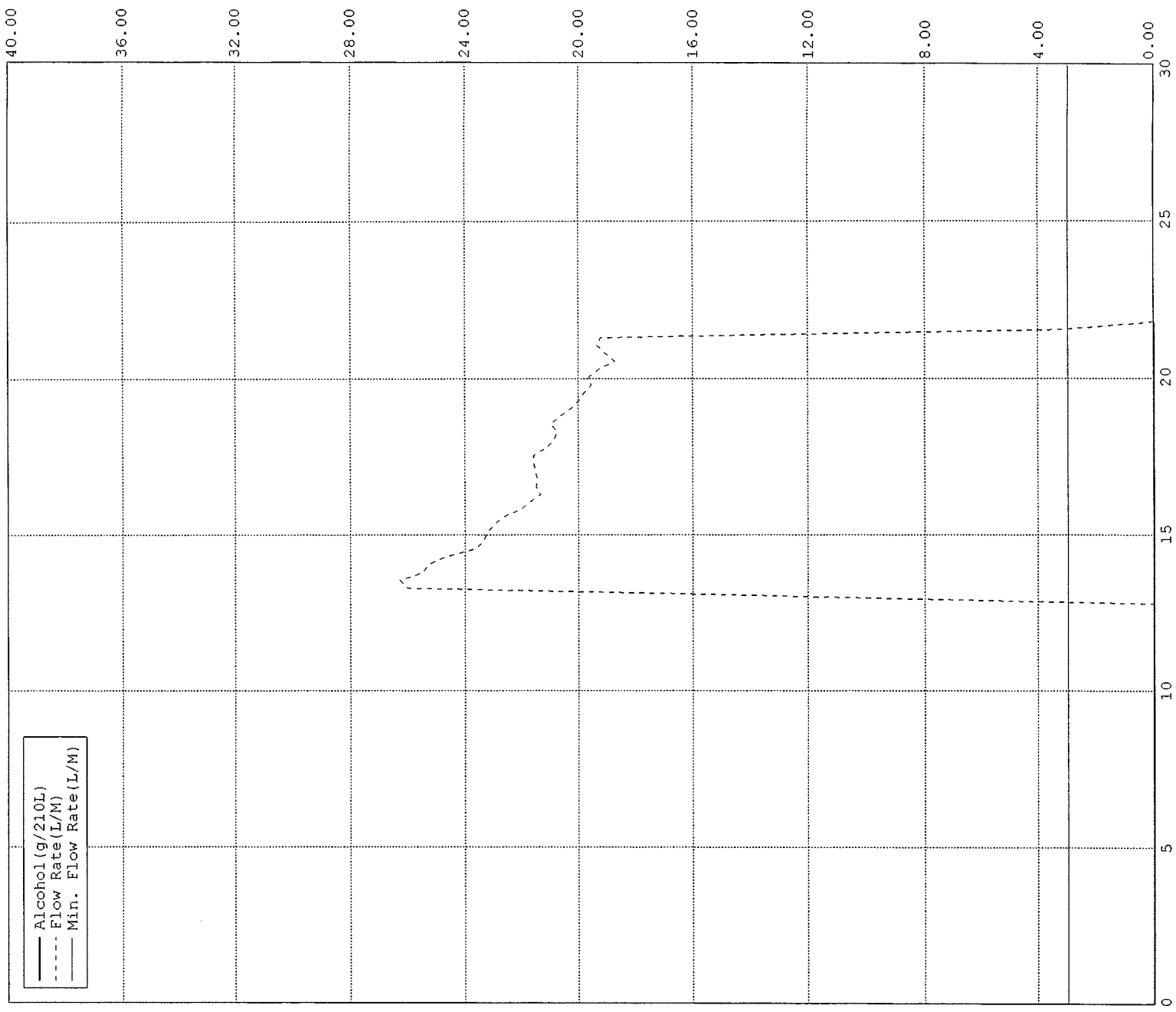
DETECTOR INFO

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

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD ✓	PASSED
Xq = 0.097 0.27%	(0.00% - 4.00%)



SUBJECT TEST

 Alaska Department of Public Safety
 DATAMASTER dmt: 100674

 Date: 11/13/2020
 Time: 13:53:21

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

OPERATOR NAME:
 DEREK WALTON
 OPERATOR'S #: 9508

DEPT/AGENCY:
 NON-DRINKING SUBJECT
 CASE/REPORT: XXXX
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.08: 0.078
 LOT #: AG018102
 EXPIRATION: 06/29/2022

DIAGNOSTIC CHECK	PASSED	13:54
BLANK TEST	0.000	13:54
INTERNAL STANDARD	VERIFIED	13:54
EXTERNAL STANDARD	0.077	13:54
BLANK TEST	0.000	13:55
SUBJECT SAMPLE (Vol=3.05L)	0.000	13:56
BLANK TEST	0.000	13:57
EXTERNAL STANDARD	0.077	13:57
BLANK TEST	0.000	13:58

DMW