

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 11/10/2021

Version: 2.0

Instrument #: 100395

Analyst(s): Carlisle Glaister

Start Date: ~~25 Aug 2022~~ ^{OKG} 8/26/22

Reason for instrument evaluation
Elevated internal standard value

Visual Inspection

- Clean
- Cermetex Box (modem) is secure
- Double Check Valve secured to wall
- O-ring inspection and ensure 2 replacement O-rings in bag
- Replace missing screws
- Ensure modem cable present
- All tubing and connections secure

Troubleshooting/Repair

Replaced o-ring.

Instrument experienced internal standard errors in the field with the average internal standard reading being above 3%. Recommend calibration.

- VOC (attached)
- VOC Internal Standard value $\leq 3.00\%$
2.13%
2.81%
- Return to Factory
- Ready for Certification
- Further Evaluation Needed
- Verify software version
- Non-Drinking Subject Test (attached)
- Ready for Calibration
- Proceed to Close Out

End Date: 8/26/2022

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Approved by: Chemistry Supervisor

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100395

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 08/26/2022

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
 TARGET AT 29.45: 0.079
 LOT #: AG113402
 EXPIRATION: 05/14/2023
 TANK PRESSURE: 1228 psi

BLANK TEST	0.000	11:50
INTERNAL STANDARD	VERIFIED	11:50
Xq = 0.093 (2.81%)		
EXTERNAL STANDARD	0.077	11:50
X[1] = 0.0772 (0.0000) (0.0020)		
BLANK TEST	0.000	11:51
EXTERNAL STANDARD	0.078	11:51
X[1] = 0.0777 (-0.0003) (0.0016)		
BLANK TEST	0.000	11:52
EXTERNAL STANDARD	0.078	11:53
X[1] = 0.0780 (-0.0002) (0.0017)		
BLANK TEST	0.000	11:53
EXTERNAL STANDARD	0.078	11:54
X[1] = 0.0779 (-0.0006) (0.0017)		
BLANK TEST	0.000	11:55
EXTERNAL STANDARD	0.078	11:55
X[1] = 0.0779 (-0.0005) (0.0017)		
BLANK TEST	0.000	11:56

Average = 0.0778
 Std Dev = 0.0004

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.9°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 48.1°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.81 V	PASSED
(1.10 V - 2.56 V)	
Cooler Voltage = 1.69 V	PASSED
(1.03 V - 2.41 V)	
Bias Voltage = 79 V	PASSED
(47 V - 111 V)	
Chopper Freq = 531 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.5 in	

PUMP INFO

Flow Rate = 4.303 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

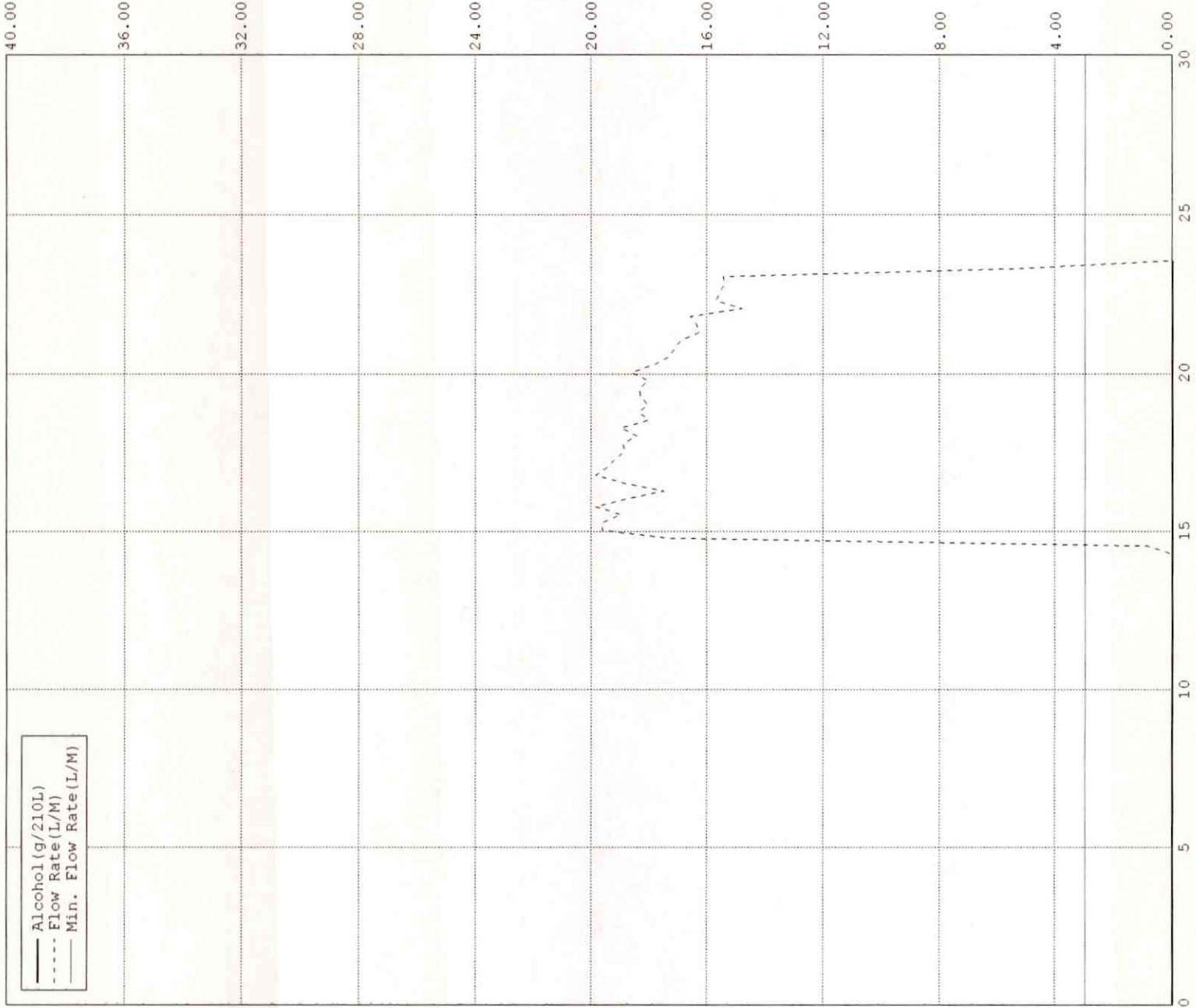
PUMP ON	PASSED
(0.002 V <= 0.010 V)	
PUMP OFF	PASSED
(0.002 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD

Xq = 0.092 2.13%	PASSED
(0.00% - 4.00%)	



SUBJECT TEST

 Alaska Department of Public Safety
 DATAMASTER dmt: 100395

 Date: 08/26/2022
 Time: 12:01:13

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

OPERATOR NAME:
 CARLIE GLAISTER
 OPERATOR'S #: 10436

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.45: 0.079
 LOT #: AG113402
 EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	12:02
BLANK TEST	0.000	12:02
INTERNAL STANDARD	VERIFIED	12:02
EXTERNAL STANDARD	0.078	12:02
BLANK TEST	0.000	12:03
SUBJECT SAMPLE (Vol=2.55L)	0.000	12:04
BLANK TEST	0.000	12:05
EXTERNAL STANDARD	0.078	12:05
BLANK TEST	0.000	12:06

CKG