

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 11/10/2021

Version: 2.0

Instrument #: 100690

Analyst(s): Carlie Glaister

Start Date: 12/27/2021

Reason for instrument evaluation

Repeated tank interference

Visual Inspection

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

Troubleshooting/Repair

Double check valve was not secured to wall. Replaced double sided tape & secured. Replaced o-ring.

Calibration is recommend due to tank interference status messages, even though internal standard is < 3%.

- | | |
|---|--|
| <input checked="" type="checkbox"/> VOC (attached) | <input checked="" type="checkbox"/> Verify software version |
| <input checked="" type="checkbox"/> VOC Internal Standard value $\leq 3.00\%$ | <input checked="" type="checkbox"/> Non-Drinking Subject Test (attached) |
| <input type="checkbox"/> Return to Factory | <input checked="" type="checkbox"/> Ready for Calibration |
| <input type="checkbox"/> Ready for Certification | <input type="checkbox"/> Proceed to Close Out |
| <input type="checkbox"/> Further Evaluation Needed | |

End Date: 12/28/2021

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100690

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 12/27/2021

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.65: 0.079
LOT #: AG018102
EXPIRATION: 06/29/2022
TANK PRESSURE: 291 psi

BLANK TEST	0.000	15:34
INTERNAL STANDARD	VERIFIED	15:34
Xq = 0.106 (1.44%)		
EXTERNAL STANDARD	0.076	15:34
X[1] = 0.0758 (-0.0005) (0.0006)		
BLANK TEST	0.000	15:35
EXTERNAL STANDARD	0.076	15:36
X[1] = 0.0763 (0.0009) (0.0011)		
BLANK TEST	0.000	15:36
EXTERNAL STANDARD	0.076	15:37
X[1] = 0.0762 (0.0004) (0.0011)		
BLANK TEST	0.000	15:38
EXTERNAL STANDARD	0.076	15:38
X[1] = 0.0762 (-0.0002) (0.0009)		
BLANK TEST	0.000	15:39
EXTERNAL STANDARD	0.077	15:39
X[1] = 0.0767 (0.0009) (0.0011)		
BLANK TEST	0.000	15:40

Average = 0.0762
Std Dev = 0.0004

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.7°C (44.0°C - 52.0°C)	PASSED
Breath Tube = 45.2°C (38.0°C - 50.0°C)	PASSED

SETTINGS

Lamp Voltage = 2.02 V (1.18 V - 2.76 V)	PASSED
Cooler Voltage = 1.85 V (1.09 V - 2.53 V)	PASSED
Bias Voltage = 79 V (47 V - 111 V)	PASSED
Chopper Freq = 523 Hz (475 Hz - 575 Hz)	PASSED
Barometer = 29.7 in	

PUMP INFO

Flow Rate = 4.331 L/M (3.500 L/M - 6.500 L/M)	PASSED
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DETECTOR INFO

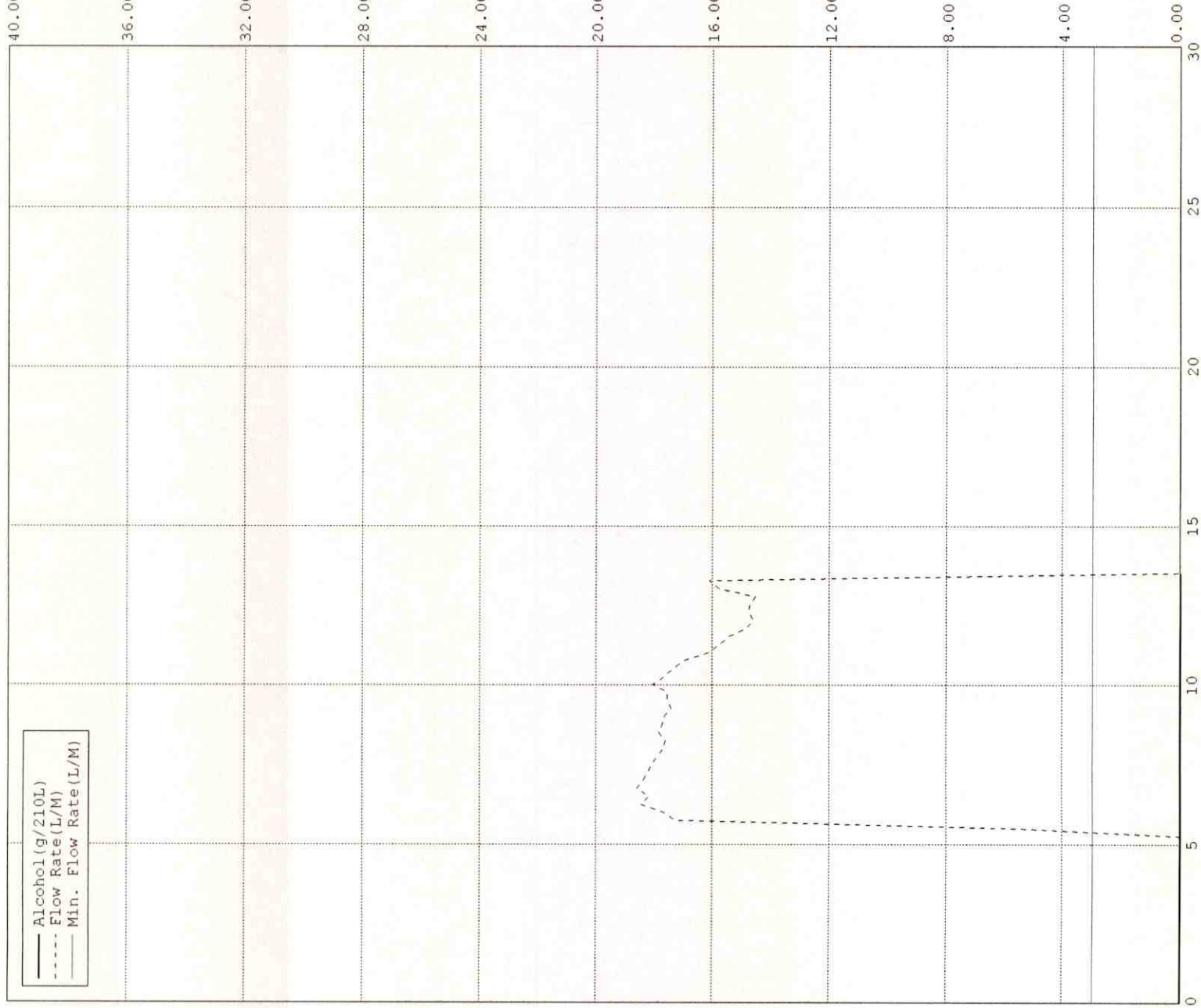
PUMP ON (0.001 V <= 0.010 V)	PASSED
PUMP OFF (0.001 V <= 0.010 V)	PASSED

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD PASSED

Xq = 0.104 0.17% (0.00% - 4.00%)



SUBJECT TEST

 Alaska Department of Public Safety
 DATAMASTER dmt: 100690

 Date: 12/27/2021
 Time: 15:45:04

SUBJECT NAME:
TEST TEST
LICENSE #: XXX

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 29.65: 0.079
LOT #: AG018102
EXPIRATION: 06/29/2022

DIAGNOSTIC CHECK	PASSED	15:46
BLANK TEST	0.000	15:46
INTERNAL STANDARD	VERIFIED	15:46
EXTERNAL STANDARD	0.076	15:46
BLANK TEST	0.000	15:47
SUBJECT SAMPLE (Vol=2.22L)	0.000	15:47
BLANK TEST	0.000	15:48
EXTERNAL STANDARD	0.076	15:49
BLANK TEST	0.000	15:49

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