Alaska Scientific Crime Detection Laboratory

Dataly	laster Evaluation Form
Issued: 05/15/2020 Effective: 05/15/2020	Version: DMEF 2020 R0 Status: Active
strument #/00384	
art Date: 10/27/2021	Analysts: Carlie Glaister
Reason for instrument evaluation Internal Standards	on vocs
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
O-ring inspection and ensure 2 O	rings in replacement bag
Check in not performed due to it	being an in house instrument. ckg 10/29/2021
VOC (attached) Internal Standard value ≤ 3.00% Verify software version	
Return to Factory for Repair	Ready for Calibration
Ready for Certification	☐ Proceed to Close Out
and Date: 10/27/2021	
All printed copies are uncontrolled	Page 1 of 1 Approved by Chemistry Supervisor
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VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument State of Alaska

Serial #: 100384 Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Diagnostic Check

Date: 10/27/2021

PASSED

EXTERNAL STANDARD INFORMATION NOMINAL: 0.080	ATION	
TARGET AT 29.28: 0.078		
LOT #: AG018102		
EXPIRATION: 06/29/2022		
TANK PRESSURE: 926 psi		
BLANK TEST	0.000	14:17
INTERNAL STANDARD	VERIFIED	14:17
Xq = 0.090 (2.59%)		
EXTERNAL STANDARD	0.077	14:17
X[1] = 0.0771 (-0.0043)	(-0.0017)
BLANK TEST	0.000	14:18
EXTERNAL STANDARD	0.077	14:18
X[1] = 0.0768 (-0.0046)	(-0.0012)
BLANK TEST	0.000	14:19
EXTERNAL STANDARD	0.077	14:19
X[1] = 0.0768 (-0.0029)	(-0.0016)
BLANK TEST	0.000	14:20
EXTERNAL STANDARD	0.077	14:20
X[1] = 0.0772 (-0.0027)	(-0.0011)
BLANK TEST	0.000	14:21
EXTERNAL STANDARD	0.077	14:22
X[1] = 0.0771 (-0.0024)		
BLANK TEST	0.000	The street services
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Average = 0.0770 Std Dev = 0.0000

External Standard Test Values

VERSIONS
DMT: 3.02
PIC: 3.03
Modem: 2.6
Questions: 2.2
TEMPERATURES
Sample Chamber = 48.9°C
(44.0°C - 52.0°C)
D

Breath Tube = 46.8°C (38.0°C - 50.0°C)	PASSED
SETTINGS	
Lamp Voltage = 1.64 V	PASSED
(1.02 V - 2.38 V)	
Cooler Voltage = 1.78 V	PASSED
(1.01 V - 2.35 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 513 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.3 i	n.
PUMP INFO	
Flow Rate = 4.583 L/M	PASSED
/3 500 T/M - 6 500 T/	M Y

(3.500 L/M - 6.500 L/M)

DETECTOR INFO
PUMP ON PASSED
(0.003 V <= 0.010 V)

PUMP OFF PASSED
(0.002 V <= 0.010 V)

FILTER INFO
Filter 1 PASSED
Filter 2 PASSED
Filter 3 PASSED
TATERNAL STANDARD

-INTERNAL STANDARD PA Xq = 0.089 2.19% (0.00% - 4.00%)