

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF 2020 R0  
Status: Active

Instrument # 100687

Start Date: 12/17/20

Analysts: Derek Walton

Reason for instrument evaluation

Tank interference occurred 3 times during attempted certification, also gas flow errors

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

Troubleshooting/Repair

Replaced o-ring. Regulator likely needs to be replaced.

Recommend factory refurbishment which includes regulator replacement.

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- VOC (attached) Not completed due to gas flow errors. JMW 12/17/20
- Internal Standard value  $\leq 3.00\%$
- Verify software version
- Return to Factory for Repair
- Ready for Calibration
- Ready for Certification
- Proceed to Close Out

End Date: 12/17/20



# VERIFICATION OF CALIBRATION REPORT

*of DataMaster dmt Breath Test Instrument*

*State of Alaska*

Serial #: 100687

*Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program*

Date: 12/17/2020

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 28.96: 0.077  
LOT #: AG018102  
EXPIRATION: 06/29/2022  
TANK PRESSURE: 932 psi

BLANK TEST                      0.000    13:29  
INTERNAL STANDARD            VERIFIED   13:29

Gas Flow Error

## Diagnostic Check

### VERSIONS

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

### TEMPERATURES

Sample Chamber = 48.7°C            PASSED  
Breath Tube       = 45.6°C           PASSED

### PUMP INFO

Flow Rate = 4.175 L/M               PASSED

### DETECTOR INFO

PUMP ON                                PASSED  
PUMP OFF                                PASSED

### FILTER INFO

Filter 1                                 PASSED  
Filter 2                                 PASSED  
Filter 3                                 PASSED

### INTERNAL STANDARD

PASSED