

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Issued: 7/10/2015
Effective: 7/10/2015

Version: DMEF2015 R0
Status: Active

Instrument # 100367

Date: 3/29/16

Analyst: CNF

1. Reason for instrument evaluation

Used for training at APD

2. Visual Inspection

3. Troubleshooting/Repair

None

4. VOC (attached)

5. Internal Standard value $\leq 3.00\%$ Yes No

6. Verify software version

Return to Factory for Repair

Ready For Calibration

Ready For Certification

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100367

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 03/30/2016

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.84: 0.080
LOT #: 01315080A3
EXPIRATION: 02/05/2017
TANK PRESSURE: 449 psi

| | | |
|-----------------------------------|----------|-------|
| BLANK TEST | 0.000 | 09:17 |
| INTERNAL STANDARD | VERIFIED | 09:17 |
| Xq = 0.081 (0.32%) | | |
| EXTERNAL STANDARD | 0.076 | 09:17 |
| X[1] = 0.0762 (-0.0013) (-0.0008) | | |
| BLANK TEST | 0.000 | 09:18 |
| EXTERNAL STANDARD | 0.077 | 09:18 |
| X[1] = 0.0767 (-0.0011) (-0.0009) | | |
| BLANK TEST | 0.000 | 09:19 |
| EXTERNAL STANDARD | 0.076 | 09:19 |
| X[1] = 0.0765 (-0.0016) (-0.0010) | | |
| BLANK TEST | 0.000 | 09:20 |
| EXTERNAL STANDARD | 0.077 | 09:20 |
| X[1] = 0.0766 (-0.0011) (-0.0010) | | |
| BLANK TEST | 0.000 | 09:21 |
| EXTERNAL STANDARD | 0.076 | 09:21 |
| X[1] = 0.0763 (-0.0014) (-0.0011) | | |
| BLANK TEST | 0.000 | 09:22 |

Average = 0.0764
Std Dev = 0.0005

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 = 46.7°C | PASSED |
| (38.0°C - 50.0°C) | |

SETTINGS

| | |
|-------------------------|--------|
| Lamp Voltage = 1.52 V | PASSED |
| (0.90 V - 2.10 V) | |
| Cooler Voltage = 1.61 V | PASSED |
| (1.06 V - 2.48 V) | |
| Bias Voltage = 79 V | PASSED |
| (47 V - 111 V) | |
| Chopper Freq = 539 Hz | PASSED |
| (475 Hz - 575 Hz) | |

PUMP INFO

| | |
|-------------------------|--------|
| Flow Rate = 4.282 L/M | PASSED |
| (3.500 L/M - 6.500 L/M) | |

DETECTOR INFO

| | |
|----------------------|--------|
| PUMP ON | PASSED |
| (0.001 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 = 0.082 0.21% (0.00% - 4.00%) | PASSED |
|----------------------------------|--------|