

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF 2020 R0
Status: Active

Instrument # 100386

Start Date: 07/13/21

Analysts: Derech Walton

Reason for instrument evaluation

SD card malfunction

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. Routed filter wires separately. Instrument has not been refurbished. Records were visible in memory on arrival at the lab. Instrument polled successfully. Verified most recent records on computer with DMHost. Replaced SD card with new one.

VOC and breath test completed and saved to memory normally. Verified instrument was able to upload tests to DMHost

- VOC (attached)
- 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: 07/14/21

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100386

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 07/13/2021

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.75: 0.080
LOT #: AG018102
EXPIRATION: 06/29/2022
TANK PRESSURE: 524 psi

| | | |
|-----------------------------------|----------|-------|
| BLANK TEST ✓ | 0.000 | 16:08 |
| INTERNAL STANDARD | VERIFIED | 16:09 |
| Xq = 0.092 (0.29%) | | |
| EXTERNAL STANDARD | 0.076 | 16:09 |
| X[1] = 0.0762 (-0.0006) (0.0008) | | |
| BLANK TEST | 0.000 | 16:10 |
| EXTERNAL STANDARD | 0.077 | 16:10 |
| X[1] = 0.0769 (-0.0004) (0.0002) | | |
| BLANK TEST | 0.000 | 16:11 |
| EXTERNAL STANDARD | 0.076 | 16:11 |
| X[1] = 0.0765 (-0.0003) (-0.0006) | | |
| BLANK TEST | 0.000 | 16:12 |
| EXTERNAL STANDARD | 0.077 | 16:12 |
| X[1] = 0.0765 (-0.0010) (-0.0001) | | |
| BLANK TEST | 0.000 | 16:13 |
| EXTERNAL STANDARD | 0.077 | 16:13 |
| X[1] = 0.0768 (-0.0009) (-0.0004) | | |
| BLANK TEST | 0.000 | 16:14 |

Average = 0.0766
Std Dev = 0.0005

Diagnostic Check

VERSIONS

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

TEMPERATURES

| | |
|----------------------------------------------|--------|
| Sample Chamber = 48.8°C (44.0°C - 52.0°C) | PASSED |
| Breath Tube = 43.2°C (38.0°C - 50.0°C) | PASSED |

SETTINGS

| | |
|----------------------------------------------|--------|
| Lamp Voltage = 1.64 V (1.00 V - 2.34 V) | PASSED |
| Cooler Voltage = 1.63 V (1.01 V - 2.35 V) | PASSED |
| Bias Voltage = 80 V (47 V - 111 V) | PASSED |
| Chopper Freq = 514 Hz (475 Hz - 575 Hz) | PASSED |
| Barometer = 29.8 in | |

PUMP INFO

| | |
|--------------------------------------------------|--------|
| Flow Rate = 4.735 L/M (3.500 L/M - 6.500 L/M) | PASSED |
|--------------------------------------------------|--------|

DETECTOR INFO

| | |
|----------------------------------|--------|
| PUMP ON (0.003 V <= 0.010 V) | PASSED |
| PUMP OFF (0.004 V <= 0.010 V) | PASSED |

FILTER INFO

| | |
|----------|--------|
| Filter 1 | PASSED |
| Filter 2 | PASSED |
| Filter 3 | PASSED |

| | |
|----------------------------------|--------|
| INTERNAL STANDARD ✓ | PASSED |
| Xq = 0.091 1.43% (0.00% - 4.00%) | |

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100386

Date: 07/14/2021
Time: 08:30:39

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
DEREK WALTON
OPERATOR'S #: 9508

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

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.76: 0.080
LOT #: AG018102
EXPIRATION: 06/29/2022

| | | |
|----------------------------|----------|-------|
| DIAGNOSTIC CHECK | PASSED | 08:31 |
| BLANK TEST | 0.000 | 08:31 |
| INTERNAL STANDARD | VERIFIED | 08:31 |
| EXTERNAL STANDARD | 0.077 | 08:32 |
| BLANK TEST | 0.000 | 08:33 |
| SUBJECT SAMPLE (Vol=2.85L) | 0.000 | 08:34 |
| BLANK TEST | 0.000 | 08:35 |
| EXTERNAL STANDARD | 0.078 | 08:35 |
| BLANK TEST | 0.000 | 08:36 |

DWM

