

# Alaska Scientific Crime Detection Laboratory

## DataMaster Repair Form

Effective: 3/20/2025

Version: 2.0

Instrument #: 100424

Analyst(s): Kaya Swisher

Start Date: 7/8/25

### Reason for Repair

Exposed Solenoid wire, causing Smoking.

### Troubleshooting/Repair

Replaced Solenoid Wire. Instrument runs as normal.



VOC (attached)



VOC Internal Standard value  $\leq 3.00\%$



Verify software version



Non-Drinking Subject Test (attached)



Ready for Adjustment



Further Repair Needed



Proceed to Close Out



Ready for Calibration



Return to Factory

End Date: 7/8/25

Page 1 of 1

All printed copies are uncontrolled.

Approved by: Chemistry Supervisor

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100424

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 07/08/2025

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.44: 0.079  
LOT #: AG335202  
EXPIRATION: 12/18/2025  
TANK PRESSURE: 1233 psi

|                                   |          |       |
|-----------------------------------|----------|-------|
| BLANK TEST                        | 0.000    | 11:29 |
| INTERNAL STANDARD                 | VERIFIED | 11:29 |
| Xq = 0.079 (0.88%)                |          |       |
| EXTERNAL STANDARD                 | 0.082    | 11:29 |
| X[1] = 0.0818 (-0.0030) (-0.0025) |          |       |
| BLANK TEST                        | 0.000    | 11:30 |
| EXTERNAL STANDARD                 | 0.081    | 11:30 |
| X[1] = 0.0813 (-0.0036) (-0.0027) |          |       |
| BLANK TEST                        | 0.000    | 11:31 |
| EXTERNAL STANDARD                 | 0.081    | 11:31 |
| X[1] = 0.0815 (-0.0035) (-0.0029) |          |       |
| BLANK TEST                        | 0.000    | 11:32 |
| EXTERNAL STANDARD                 | 0.082    | 11:32 |
| X[1] = 0.0818 (-0.0032) (-0.0019) |          |       |
| BLANK TEST                        | 0.000    | 11:33 |
| EXTERNAL STANDARD                 | 0.082    | 11:33 |
| X[1] = 0.0818 (-0.0029) (-0.0019) |          |       |
| BLANK TEST                        | 0.000    | 11:34 |

Average = 0.0816  
Std Dev = 0.0005

## Diagnostic Check

### VERSIONS

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

### TEMPERATURES

|                         |        |
|-------------------------|--------|
| Sample Chamber = 48.9°C | PASSED |
| (44.0°C - 52.0°C)       |        |
| Breath Tube = 45.3°C    | PASSED |
| (38.0°C - 50.0°C)       |        |

### SETTINGS

|                         |        |
|-------------------------|--------|
| Lamp Voltage = 1.68 V   | PASSED |
| (1.03 V - 2.39 V)       |        |
| Cooler Voltage = 1.68 V | PASSED |
| (1.04 V - 2.42 V)       |        |
| Bias Voltage = 80 V     | PASSED |
| (48 V - 112 V)          |        |
| Chopper Freq = 521 Hz   | PASSED |
| (475 Hz - 575 Hz)       |        |
| Barometer = 29.4 in     |        |

### PUMP INFO

|                         |        |
|-------------------------|--------|
| Flow Rate = 3.859 L/M   | PASSED |
| (3.500 L/M - 6.500 L/M) |        |

### DETECTOR INFO

|                      |        |
|----------------------|--------|
| PUMP ON              | PASSED |
| (0.002 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 = 0.079 1.11% | PASSED |
| (0.00% - 4.00%)  |        |

SUBJECT TEST

Alaska Department of Public Safety  
DATA MASTER dnt: 100424

Date: 07/08/2025  
Time: 11:37:48

SUBJECT NAME:  
TEST TEST  
LICENSE #: XXX

OPERATOR NAME:  
KAIJA SWISHER  
OPERATOR'S #: 10746

DEPT/AGENCY:  
NON DRINKING SUBJECT TEST  
CASE/REPORT: XXX  
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.080  
TARGET AT 29.44: 0.079  
LOT #: AG335202  
EXPIRATION: 12/18/2025

| DIAGNOSTIC CHECK           | PASSED   | 11:39 |
|----------------------------|----------|-------|
| BLANK TEST                 | 0.000    | 11:39 |
| INTERNAL STANDARD          | VERIFIED | 11:39 |
| EXTERNAL STANDARD          | 0.082    | 11:39 |
| BLANK TEST                 | 0.000    | 11:40 |
| SUBJECT SAMPLE (Vol=2.09L) | 0.000    | 11:40 |
| BLANK TEST                 | 0.000    | 11:41 |
| EXTERNAL STANDARD          | 0.082    | 11:41 |
| BLANK TEST                 | 0.000    | 11:42 |

KS

