

# Alaska Scientific Crime Detection Laboratory

## DataMaster Repair Form

Effective: 3/20/2025

Version: 2.0

Instrument #: 100422  
Start Date: 4/14/25

Analyst(s): C. O. Bryant

### Reason for Repair

Touch screen not responding when attempted to calibrate

### Troubleshooting/Repair

Adjusted screws and tried to troubleshoot.  
Replaced the touch screen with a new one.  
No further touch screen issues occurred.

- |                                                                               |                                                                          |
|-------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> VOC (attached)                            | <input checked="" type="checkbox"/> Verify software version              |
| <input checked="" type="checkbox"/> VOC Internal Standard value $\leq 3.00\%$ | <input checked="" type="checkbox"/> Non-Drinking Subject Test (attached) |
| <input type="checkbox"/> Ready for Adjustment                                 | <input checked="" type="checkbox"/> Ready for Calibration                |
| <input type="checkbox"/> Further Repair Needed                                | <input type="checkbox"/> Return to Factory                               |
| <input type="checkbox"/> Proceed to Close Out                                 |                                                                          |

End Date: 4/14/25

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100422

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 04/14/2025

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.34: 0.078  
LOT #: AG335202  
EXPIRATION: 12/18/2025  
TANK PRESSURE: 326 psi

|                                  |          |       |
|----------------------------------|----------|-------|
| BLANK TEST                       | 0.000    | 13:18 |
| INTERNAL STANDARD                | VERIFIED | 13:18 |
| Xq = 0.109 (0.24%)               |          |       |
| EXTERNAL STANDARD                | 0.077    | 13:18 |
| X[1] = 0.0773 (-0.0006) (0.0008) |          |       |
| BLANK TEST                       | 0.000    | 13:19 |
| EXTERNAL STANDARD                | 0.078    | 13:19 |
| X[1] = 0.0775 (-0.0007) (0.0009) |          |       |
| BLANK TEST                       | 0.000    | 13:20 |
| EXTERNAL STANDARD                | 0.078    | 13:20 |
| X[1] = 0.0779 (-0.0001) (0.0000) |          |       |
| BLANK TEST                       | 0.000    | 13:21 |
| EXTERNAL STANDARD                | 0.078    | 13:21 |
| X[1] = 0.0775 (-0.0011) (0.0008) |          |       |
| BLANK TEST                       | 0.000    | 13:22 |
| EXTERNAL STANDARD                | 0.078    | 13:23 |
| X[1] = 0.0776 (-0.0005) (0.0013) |          |       |
| BLANK TEST                       | 0.000    | 13:23 |

Average = 0.0778  
Std Dev = 0.0004

## 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 = 44.8°C    | PASSED |
| (38.0°C - 50.0°C)       |        |

### SETTINGS

|                         |        |
|-------------------------|--------|
| Lamp Voltage = 2.04 V   | PASSED |
| (1.15 V - 2.67 V)       |        |
| Cooler Voltage = 1.75 V | PASSED |
| (1.11 V - 2.59 V)       |        |
| Bias Voltage = 80 V     | PASSED |
| (48 V - 112 V)          |        |
| Chopper Freq = 513 Hz   | PASSED |
| (475 Hz - 575 Hz)       |        |
| Barometer = 29.3 in     |        |

### PUMP INFO

|                         |        |
|-------------------------|--------|
| Flow Rate = 4.991 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 |
| (0.001 V <= 0.010 V) |        |

### FILTER INFO

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

|                                  |        |
|----------------------------------|--------|
| INTERNAL STANDARD                | PASSED |
| Xq = 0.109 0.40% (0.00% - 4.00%) |        |

SUBJECT TEST

-----  
Alaska Department of Public Safety  
DATAMASTER dmt: 100422  
-----  
Date: 04/14/2025  
Time: 13:29:06

SUBJECT NAME:  
TEST TEST  
LICENSE #: NDST

OPERATOR NAME:  
COLLEEN S O'BRYAN  
OPERATOR'S #: 6237

DEPT/AGENCY:  
AAA1

CASE/REPORT: 25-1234  
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.080  
TARGET AT 29.36: 0.078  
LOT #: AG335202  
EXPIRATION: 12/18/2025

100422 2025.04.14 Repair

DIAGNOSTIC CHECK  
PASSED 13:30  
BLANK TEST 0.000 13:30  
INTERNAL STANDARD VERIFIED 13:30  
EXTERNAL STANDARD 0.079 13:30  
BLANK TEST 0.000 13:31  
SUBJECT SAMPLE (Vol=2.54L) 0.000 13:32  
BLANK TEST 0.000 13:33  
EXTERNAL STANDARD 0.077 13:33  
BLANK TEST 0.000 13:34

CB

