

# Alaska Scientific Crime Detection Laboratory

## DataMaster Repair Form

Effective: 3/20/2025

Version: 2.0

Instrument #: 100354

Analyst(s): Derck Walton

Start Date: 04/01/25

### Reason for Repair

PDF not saving with some subject tests (but does print at test completion). Four out of 229 tests impacted.

### Troubleshooting/Repair

Reloaded software (3.02 full version).

Ran VOLS, Diagnostics, and Subject tests with no issues. Output 6 files to USB and all contained PDFs.

VOC (attached)

VOC Internal Standard value  $\leq$  3.00%

Ready for Adjustment

Further Repair Needed

Proceed to Close Out

Verify software version

Non-Drinking Subject Test (attached)

Ready for Calibration

Return to Factory

End Date: 04/01/25

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100354

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 04/01/2025

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.71: 0.079  
LOT #: AG335202  
EXPIRATION: 12/18/2025  
TANK PRESSURE: 179 psi

|                                  |          |       |
|----------------------------------|----------|-------|
| BLANK TEST                       | 0.000    | 09:23 |
| INTERNAL STANDARD                | VERIFIED | 09:23 |
| Xq = 0.098 (2.39%)               |          |       |
| EXTERNAL STANDARD                | 0.078    | 09:23 |
| X[1] = 0.0784 (-0.0016) (0.0018) |          |       |
| BLANK TEST                       | 0.000    | 09:24 |
| EXTERNAL STANDARD                | 0.079    | 09:25 |
| X[1] = 0.0786 (-0.0017) (0.0018) |          |       |
| BLANK TEST                       | 0.000    | 09:25 |
| EXTERNAL STANDARD                | 0.079    | 09:26 |
| X[1] = 0.0788 (-0.0015) (0.0017) |          |       |
| BLANK TEST                       | 0.000    | 09:27 |
| EXTERNAL STANDARD                | 0.079    | 09:27 |
| X[1] = 0.0789 (-0.0020) (0.0013) |          |       |
| BLANK TEST                       | 0.000    | 09:28 |
| EXTERNAL STANDARD                | 0.079    | 09:28 |
| X[1] = 0.0791 (-0.0013) (0.0015) |          |       |
| BLANK TEST                       | 0.000    | 09:29 |

Average = 0.0788  
Std Dev = 0.0004

## 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 = 47.9°C    | PASSED |
| (38.0°C - 50.0°C)       |        |

### SETTINGS

|                         |        |
|-------------------------|--------|
| Lamp Voltage = 1.72 V   | PASSED |
| (0.95 V - 2.23 V)       |        |
| Cooler Voltage = 1.53 V | PASSED |
| (0.95 V - 2.21 V)       |        |
| Bias Voltage = 79 V     | PASSED |
| (47 V - 111 V)          |        |
| Chopper Freq = 527 Hz   | PASSED |
| (475 Hz - 575 Hz)       |        |
| Barometer = 29.7 in     |        |

### PUMP INFO

|                         |        |
|-------------------------|--------|
| Flow Rate = 4.825 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 PASSED

Xq = 0.098 2.30% (0.00% - 4.00%)

DIAGNOSTIC RECORD

-----  
Alaska Department of Public Safety  
DATAMASTER dmt: 100354  
-----

Date: 04/01/2025  
Time: 09:30:24

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 = 47.3°C PASSED  
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.72 V PASSED  
(0.95 V - 2.23 V)  
Cooler Voltage = 1.53 V PASSED  
(0.95 V - 2.21 V)  
Bias Voltage = 79 V PASSED  
(47 V - 111 V)  
Chopper Freq = 526 Hz PASSED  
(475 Hz - 575 Hz)  
Barometer = 29.7 in

PUMP INFO

Flow Rate = 4.817 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 = 0.097 1.93% (0.00% - 4.00%) PASSED

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100354

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 04/01/2025

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.71: 0.079  
LOT #: AG335202  
EXPIRATION: 12/18/2025  
TANK PRESSURE: 163 psi

|                                  |          |       |
|----------------------------------|----------|-------|
| BLANK TEST                       | 0.000    | 09:39 |
| INTERNAL STANDARD                | VERIFIED | 09:39 |
| Xq = 0.098 (2.30%)               |          |       |
| EXTERNAL STANDARD                | 0.079    | 09:39 |
| X[1] = 0.0787 (-0.0020) (0.0021) |          |       |
| BLANK TEST                       | 0.000    | 09:40 |
| EXTERNAL STANDARD                | 0.079    | 09:40 |
| X[1] = 0.0787 (-0.0019) (0.0022) |          |       |
| BLANK TEST                       | 0.000    | 09:41 |
| EXTERNAL STANDARD                | 0.078    | 09:41 |
| X[1] = 0.0783 (-0.0024) (0.0014) |          |       |
| BLANK TEST                       | 0.000    | 09:42 |
| EXTERNAL STANDARD                | 0.079    | 09:43 |
| X[1] = 0.0789 (-0.0012) (0.0021) |          |       |
| BLANK TEST                       | 0.000    | 09:43 |
| EXTERNAL STANDARD                | 0.079    | 09:44 |
| X[1] = 0.0785 (-0.0017) (0.0019) |          |       |
| BLANK TEST                       | 0.000    | 09:45 |

Average = 0.0788  
Std Dev = 0.0004

## 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 = 48.1°C    | PASSED |
| (38.0°C - 50.0°C)       |        |

### SETTINGS

|                         |        |
|-------------------------|--------|
| Lamp Voltage = 1.72 V   | PASSED |
| (0.95 V - 2.23 V)       |        |
| Cooler Voltage = 1.53 V | PASSED |
| (0.95 V - 2.21 V)       |        |
| Bias Voltage = 79 V     | PASSED |
| (47 V - 111 V)          |        |
| Chopper Freq = 526 Hz   | PASSED |
| (475 Hz - 575 Hz)       |        |
| Barometer = 29.7 in     |        |

### PUMP INFO

|                         |        |
|-------------------------|--------|
| Flow Rate = 4.833 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 |
| (0.003 V <= 0.010 V) |        |

### FILTER INFO

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

INTERNAL STANDARD PASSED

Xq = 0.098 2.48% (0.00% - 4.00%)

SUBJECT TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100354

Date: 04/01/2025  
Time: 09:46:12

SUBJECT NAME:  
TEST TEST  
LICENSE #: XXXX

OPERATOR NAME:  
DEREK WALTON  
OPERATOR'S #: 9508

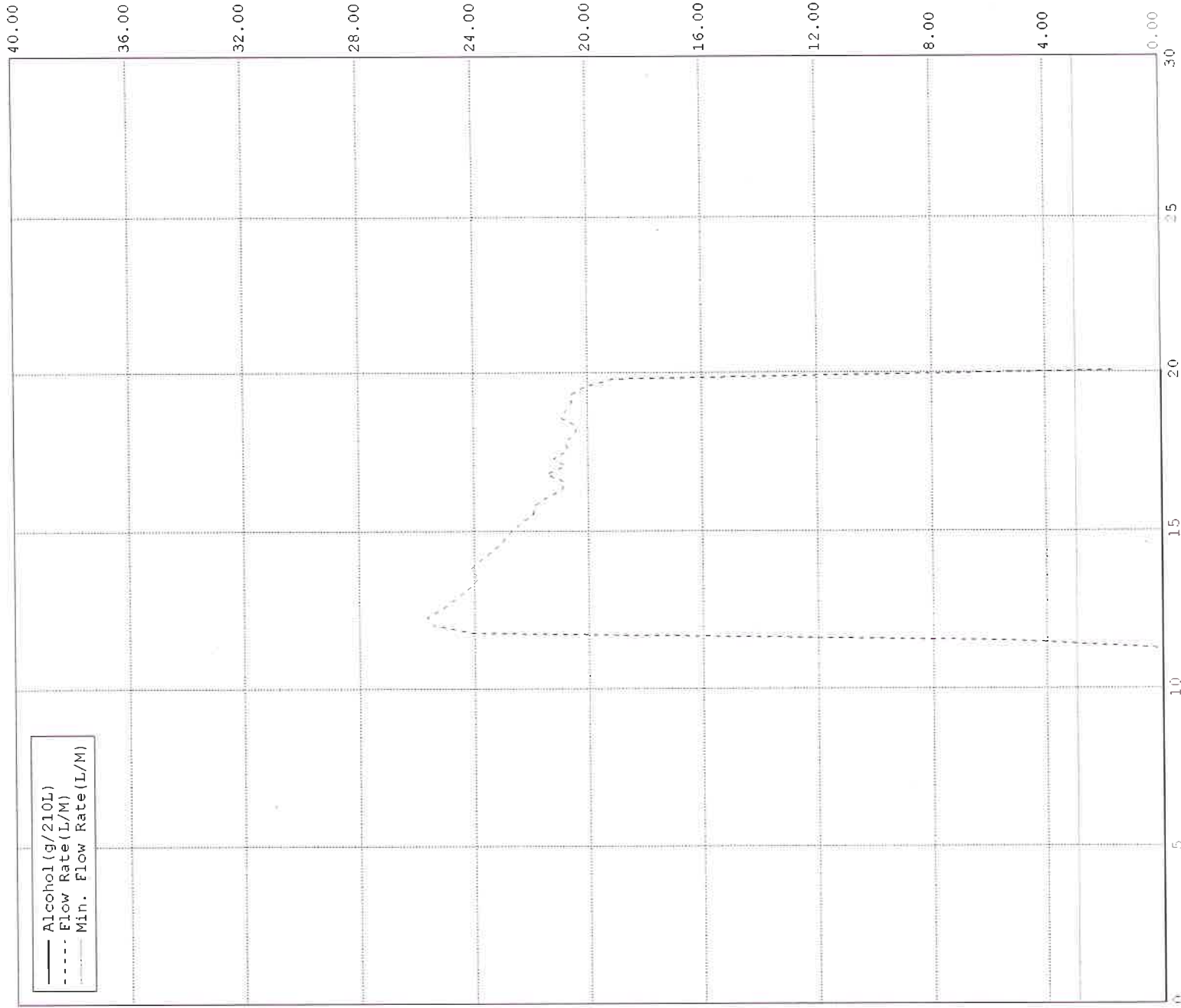
DEPT/AGENCY:  
NON-DRINKING SUBJECT  
CASE/REPORT: XXXX  
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.71: 0.079  
LOT #: AG335202  
EXPIRATION: 12/18/2025

|                                  |          |       |
|----------------------------------|----------|-------|
| DIAGNOSTIC CHECK                 | PASSED   | 09:47 |
| BLANK TEST                       | 0.000    | 09:47 |
| INTERNAL STANDARD                | VERIFIED | 09:47 |
| Xg = 0.098 (2.48%)               |          |       |
| EXTERNAL STANDARD                | 0.079    | 09:47 |
| X[1] = 0.0788 (-0.0013) (0.0016) |          |       |
| BLANK TEST                       | 0.000    | 09:48 |
| SUBJECT SAMPLE (Vol=3.09L)       | 0.000    | 09:49 |
| X[1] = 0.0000 (-0.0005) (0.0000) |          |       |
| BLANK TEST                       | 0.000    | 09:50 |
| EXTERNAL STANDARD                | 0.079    | 09:50 |
| X[1] = 0.0792 (-0.0006) (0.0023) |          |       |
| BLANK TEST                       | 0.000    | 09:51 |

*DWR*



DIAGNOSTIC RECORD

-----  
Alaska Department of Public Safety  
DATAMASTER dmt: 100354  
-----

Date: 04/01/2025  
Time: 09:54:41

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 = 48.0°C PASSED  
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.72 V PASSED  
(0.95 V - 2.23 V)  
Cooler Voltage = 1.53 V PASSED  
(0.95 V - 2.21 V)  
Bias Voltage = 79 V PASSED  
(47 V - 111 V)  
Chopper Freq = 525 Hz PASSED  
(475 Hz - 575 Hz)  
Barometer = 29.7 in

PUMP INFO

Flow Rate = 4.779 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  
(0.003 v <= 0.010 v)

FILTER INFO

Filter 1 PASSED  
Filter 2 PASSED  
Filter 3 PASSED

INTERNAL STANDARD

Xq = 0.097 2.11% (0.00% - 4.00%) PASSED

SUBJECT TEST

Alaska Department of Public Safety  
 DATA MASTER dmt: 100354

Date: 04/01/2025  
 Time: 09:57:03

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 29.71: 0.079  
 LOT #: AG335202  
 EXPIRATION: 12/18/2025

|                            |          |       |
|----------------------------|----------|-------|
| DIAGNOSTIC CHECK           | PASSED   | 09:58 |
| BLANK TEST                 | 0.000    | 09:58 |
| INTERNAL STANDARD          | VERIFIED | 09:58 |
| $X_q = 0.097$ (2.11%)      | 0.079    | 09:58 |
| EXTERNAL STANDARD          | (0.0030) |       |
| $X[1] = 0.0788$ (-0.0012)  | 0.000    | 09:59 |
| BLANK TEST                 | 0.000    | 09:59 |
| SUBJECT SAMPLE (Vol=2.65L) | 0.000    | 09:59 |
| $X[1] = 0.0000$ (-0.0007)  | (0.0000) |       |
| BLANK TEST                 | 0.000    | 10:00 |
| EXTERNAL STANDARD          | 0.079    | 10:01 |
| $X[1] = 0.0795$ (-0.0010)  | (0.0022) |       |
| BLANK TEST                 | 0.000    | 10:01 |

*DN*

