

# Alaska Scientific Crime Detection Laboratory

## DataMaster Repair Form

Effective: 10/10/2022

Version: 1.0

Instrument #: 100373

Analyst(s): Derck Walton

Start Date: 11/09/22

### Reason for Repair

S-way valve sticking

### Troubleshooting/Repair

Replaced S-way valve block assembly which was sticking.  
Subject test and VOC completed normally afterward.  
Reset options.

- |  |  |
|--|--|
| <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: 11/10/22

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100373

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/09/2022

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.60: 0.079  
LOT #: AG113402  
EXPIRATION: 05/14/2023  
TANK PRESSURE: 712 psi

BLANK TEST	0.000	16:01
INTERNAL STANDARD ✓	VERIFIED	16:01
Xq = 0.083 (2.14%)		
EXTERNAL STANDARD	0.076	16:02
X[1] = 0.0761 (-0.0014) (0.0026)		
BLANK TEST	0.000	16:03
EXTERNAL STANDARD	0.076	16:03
X[1] = 0.0760 (-0.0009) (0.0020)		
BLANK TEST	0.000	16:04
EXTERNAL STANDARD	0.076	16:04
X[1] = 0.0763 (-0.0018) (0.0024)		
BLANK TEST	0.000	16:05
EXTERNAL STANDARD	0.076	16:05
X[1] = 0.0759 (-0.0014) (0.0025)		
BLANK TEST	0.000	16:06
EXTERNAL STANDARD	0.076	16:06
X[1] = 0.0764 (-0.0015) (0.0028)		
BLANK TEST	0.000	16:07

Average = 0.0760  
Std Dev = 0.0000

## Diagnostic Check

### VERSIONS

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

### TEMPERATURES

Sample Chamber = 48.8°C PASSED  
(44.0°C - 52.0°C)  
Breath Tube = 47.7°C PASSED  
(38.0°C - 50.0°C)

### SETTINGS

Lamp Voltage = 1.69 V PASSED  
(1.03 V - 2.39 V)  
Cooler Voltage = 1.71 V PASSED  
(0.97 V - 2.25 V)  
Bias Voltage = 80 V PASSED  
(47 V - 111 V)  
Chopper Freq = 529 Hz PASSED  
(475 Hz - 575 Hz)  
Barometer = 29.6 in

### PUMP INFO

Flow Rate = 5.025 L/M PASSED  
(3.500 L/M - 6.500 L/M)

### DETECTOR INFO

PUMP ON PASSED  
(0.003 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 = 0.081 0.32% (0.00% - 4.00%)

SUBJECT TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100373

Date: 11/10/2022  
Time: 08:02:58

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 29.72: 0.079  
LOT #: AG113402  
EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	08:04
BLANK TEST	0.000	08:04
INTERNAL STANDARD	VERIFIED	08:04
EXTERNAL STANDARD	0.078	08:04
BLANK TEST	0.000	08:05
SUBJECT SAMPLE (Vol=2.66L)	0.000	08:05
BLANK TEST	0.000	08:06
EXTERNAL STANDARD	0.077	08:07
BLANK TEST	0.000	08:07

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