

# Alaska Scientific Crime Detection Laboratory

## DataMaster Repair Form

Effective: 10/10/2022

Version: 1.0

Instrument #: 100361  
Start Date: 7/26/24

Analyst(s): C. O. Bryant

### Reason for Repair

Plastic end of breath hose removed +  
thrown away.

### Troubleshooting/Repair

Replaced breath hose. Reset RFI sensitivity.  
Ran VOC + Non-drinking subject test.

- |  |  |
|--|--|
| <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: 7/26/24

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100361

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 07/26/2024

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.60: 0.079  
LOT #: AG335202  
EXPIRATION: 12/18/2025  
TANK PRESSURE: 1133 psi

BLANK TEST	0.000	10:56
INTERNAL STANDARD	VERIFIED	10:56
Xq = 0.088	(0.20%)	
EXTERNAL STANDARD	0.079	10:56
X[1] = 0.0787	(-0.0006) (0.0026)	
BLANK TEST	0.000	10:57
EXTERNAL STANDARD	0.079	10:57
X[1] = 0.0792	(-0.0002) (0.0021)	
BLANK TEST	0.000	10:58
EXTERNAL STANDARD	0.079	10:58
X[1] = 0.0792	(-0.0001) (0.0018)	
BLANK TEST	0.000	10:59
EXTERNAL STANDARD	0.079	10:59
X[1] = 0.0790	(-0.0001) (0.0021)	
BLANK TEST	0.000	11:00
EXTERNAL STANDARD	0.079	11:00
X[1] = 0.0787	(-0.0001) (0.0026)	
BLANK TEST	0.000	11:01

Average = 0.0790  
Std Dev = 0.0000

## Diagnostic Check

### VERSIONS

DMT: 3.02  
PIC: 3.05  
Modem: 2.6  
Questions: 2.2

### TEMPERATURES

Sample Chamber = 48.7°C PASSED  
(44.0°C - 52.0°C)  
Breath Tube = 39.2°C PASSED  
(38.0°C - 50.0°C)

### SETTINGS

Lamp Voltage = 1.87 V PASSED  
(1.17 V - 2.73 V)  
Cooler Voltage = 1.89 V PASSED  
(1.01 V - 2.35 V)  
Bias Voltage = 80 V PASSED  
(48 V - 112 V)  
Chopper Freq = 522 Hz PASSED  
(475 Hz - 575 Hz)  
Barometer = 29.6 in

### PUMP INFO

Flow Rate = 4.580 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  
(0.004 V <= 0.010 V)

### FILTER INFO

Filter 1 PASSED  
Filter 2 PASSED  
Filter 3 PASSED

### INTERNAL STANDARD

Xq = 0.088 (0.40% (-0.00% - 4.00%))

SUBJECT TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100361

Date: 07/26/2024  
Time: 11:04:02

SUBJECT NAME:  
TEST TEST  
LICENSE #: NONDRINKING

OPERATOR NAME:  
COLLEEN S OBRyant  
OPERATOR'S #: 6237

DEPT/AGENCY:

AAA1  
CASE/REPORT: 24-1234  
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.60: 0.079  
LOT #: AG335202  
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	11:05
BLANK TEST	0.000	11:05
INTERNAL STANDARD	VERIFIED	11:05
EXTERNAL STANDARD	0.079	11:05
BLANK TEST	0.000	11:06
SUBJECT SAMPLE (Vol=2.12L)	0.000	11:07
BLANK TEST	0.000	11:08
EXTERNAL STANDARD	0.079	11:08
BLANK TEST	0.000	11:09

