

# Alaska Scientific Crime Detection Laboratory

## DataMaster Repair Form

Effective: 10/10/2022

Version: 1.0

Instrument #: 100365

Analyst(s): Carlie Flaister

Start Date: 9/11/2023

### Reason for Repair

Internal standard errors. Internal Standard needs to be cleaned.

### Troubleshooting/Repair

Cleaned internal standard with isopropyl alcohol.  
VOC Diagnostic Check failed due to internal standard error. Ready for adjustment.

- |  |  |
|--|--|
| <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 checked="" type="checkbox"/> Ready for Adjustment                     | <input type="checkbox"/> Ready for Calibration                           |
| <input type="checkbox"/> Further Repair Needed                               | <input type="checkbox"/> Return to Factory                               |
| <input type="checkbox"/> Proceed to Close Out                                |  |

*Call  
9/11/23*

End Date: 9/11/2023

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100365

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 09/11/2023

## External Standard Test Values

## Diagnostic Check

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

### TEMPERATURES

Sample Chamber = 48.9°C PASSED  
(44.0°C - 52.0°C)  
Breath Tube = 44.2°C PASSED  
(38.0°C - 50.0°C)

### SETTINGS

Lamp Voltage = 1.83 V PASSED  
(1.10 V - 2.56 V)  
Cooler Voltage = 1.89 V PASSED  
(1.10 V - 2.58 V)  
Bias Voltage = 80 V PASSED  
(48 V - 112 V)  
Chopper Freq = 516 Hz PASSED  
(475 Hz - 575 Hz)  
Barometer = 29.3 in

### PUMP INFO

Flow Rate = 4.542 L/M PASSED  
(3.500 L/M - 6.500 L/M)

### DETECTOR INFO

PUMP ON PASSED  
(0.005 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 = 0.081 20.21% (0.00% - 4.00%) FAILED

Diagnostic Check Failed