

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100675

Analyst/Technician(s): Carlisle Haister

Start Date: 8/13/25

Date Instrument Received: 8/13/25

Reason for instrument evaluation

Internal standard errors

### Visual Inspection:

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Clean   | <input checked="" type="checkbox"/> Replace missing screws              |
| <input checked="" type="checkbox"/> Cermetex Box (modem) is secure                            | <input checked="" type="checkbox"/> Ensure modem cable present          |
| <input checked="" type="checkbox"/> Double Check Valve secured to wall                        | <input checked="" type="checkbox"/> All tubing and connections secure   |
| <input checked="" type="checkbox"/> O-ring inspection and ensure 2 replacement O-rings in bag |   |
| <input checked="" type="checkbox"/> Attach VOC  | <input checked="" type="checkbox"/> VOC Internal Standard $\leq 3.00\%$ |
| <input checked="" type="checkbox"/> Verify software version                                   |   |

Condition of item: ☒ No apparent damage ☐ Damaged

NOTE: As Found Linearity is required if the instrument is not damaged and the internal standard value is not more than 4.00% 8/13/25

### As Found Conditions (if performed):

Barometric Pressure (inHg): \_\_\_\_\_ Temperature (C): \_\_\_\_\_ Relative Humidity (%) \_\_\_\_\_

Linearity Test Levels (g/210L): 0.020, 0.080, 0.300

Notes: VOC failed - internal standard error. Pin on filter wheel feels stiff. Performed a filter test for 10 cycles with 0 errors. Recommend cleaning internal standard.

☒ Attach Non-Drinking Subject Test OK 8/13/25

### Conclusion:

- |  |  |
|--|--|
| <input type="checkbox"/> Ready for Adjustment  | <input checked="" type="checkbox"/> Needs Repair |
| <input type="checkbox"/> Ready for Calibration |  |

Lab Work End Date: 8/13/25

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100675

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 08/13/2025

## External Standard Test Values

## 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 = 2.19 V PASSED  
(1.31 V - 3.07 V)  
Cooler Voltage = 1.98 V PASSED  
(1.16 V - 2.70 V)  
Bias Voltage = 80 V PASSED  
(48 V - 112 V)  
Chopper Freq = 521 Hz PASSED  
(475 Hz - 575 Hz)  
Barometer = 29.7 in

### PUMP INFO

Flow Rate = 4.622 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 = 0.099 5.55% (0.00% - 4.00%) FAILED

Diagnostic Check Failed