

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

Effective: 11/10/2021

Version: 2.0

Instrument #: 100668

Analyst(s): Carlie Glaister

Start Date: 8/8/2022

Reason for instrument evaluation

Screen unresponsive

### 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 |   |

### Troubleshooting/Repair

Installed screen & turned instrument on.  
Screen appears to be operating normally.

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

End Date: 8/8/2022

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100668

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 08/08/2022

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.72: 0.079  
LOT #: AG113402  
EXPIRATION: 05/14/2023  
TANK PRESSURE: 345 psi

BLANK TEST	0.000	12:23
INTERNAL STANDARD	VERIFIED	12:23
Xq = 0.090 (0.29%)		
EXTERNAL STANDARD	0.077	12:24
X[1] = 0.0775 (-0.0023) (-0.0020)		
BLANK TEST	0.000	12:24
EXTERNAL STANDARD	0.079	12:25
X[1] = 0.0790 (0.0001) (-0.0011)		
BLANK TEST	0.000	12:26
EXTERNAL STANDARD	0.078	12:26
X[1] = 0.0783 (-0.0009) (-0.0010)		
BLANK TEST	0.000	12:27
EXTERNAL STANDARD	0.079	12:27
X[1] = 0.0785 (-0.0007) (-0.0004)		
BLANK TEST	0.000	12:28
EXTERNAL STANDARD	0.078	12:28
X[1] = 0.0783 (-0.0011) (-0.0007)		
BLANK TEST	0.000	12:29

Average = 0.0782  
Std Dev = 0.0008

## Diagnostic Check

### VERSIONS

DMT: 3.02  
PIC: 3.03  
Modem: 2.6  
Questions: 2.2

### TEMPERATURES

Sample Chamber = 48.8°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 48.1°C	PASSED
(38.0°C - 50.0°C)	

### SETTINGS

Lamp Voltage = 1.77 V	PASSED
(0.97 V - 2.25 V)	
Cooler Voltage = 1.82 V	PASSED
(1.04 V - 2.44 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 528 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 = 0.091	0.68%	(0.00% - 4.00%)	PASSED
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SUBJECT TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100668

Date: 08/08/2022  
Time: 12:50:46

SUBJECT NAME:  
TEST TEST  
LICENSE #: XXXX

OPERATOR NAME:  
CARLIE GLAISTER  
OPERATOR'S #: 10436

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

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.080  
TARGET AT 29.73: 0.079  
LOT #: AG113402  
EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	12:51
BLANK TEST	0.000	12:51
INTERNAL STANDARD	VERIFIED	12:52
EXTERNAL STANDARD	0.079	12:52
BLANK TEST	0.000	12:53
SUBJECT SAMPLE (Vol=2.12L)	0.000	12:53
BLANK TEST	0.000	12:54
EXTERNAL STANDARD	0.079	12:54
BLANK TEST	0.000	12:55

CKG

