

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

Effective: 11/10/2021

Version: 2.0

Instrument #: 100363

Analyst(s): Carlie Glaister

Start Date: 8/22/2022

Reason for instrument evaluation

Screen Issues (freezing)

### 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. While attempting to navigate the touch screen I was unable to click on some prompts & had to use the keyboard. Reuploaded DMT software 3.02. Recalibrated stylus. Touch screen appears to be operating normally.

Filter 2 values reading greater than |0.0030|. Recommend calibration

- |   |   |
|---|---|
| <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 type="checkbox"/> Non-Drinking Subject Test (attached) |
| <input type="checkbox"/> Return to Factory                                    | <input checked="" type="checkbox"/> Ready for Calibration     |
| <input type="checkbox"/> Ready for Certification                              | <input type="checkbox"/> Proceed to Close Out                 |
| <input type="checkbox"/> Further Evaluation Needed                            |   |

End Date: 8/23/2022

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Approved by: Chemistry Supervisor

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100363

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 08/23/2022

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.73: 0.080  
LOT #: AG113402  
EXPIRATION: 05/14/2023  
TANK PRESSURE: 1139 psi

BLANK TEST	0.000	12:12
INTERNAL STANDARD	VERIFIED	12:12
Xq = 0.080 (1.50%)		
EXTERNAL STANDARD	0.078	12:12
X[1] = 0.0776 (-0.0034) (-0.0014)		
BLANK TEST	0.000	12:13
EXTERNAL STANDARD	0.078	12:13
X[1] = 0.0777 (-0.0030) (-0.0006)		
BLANK TEST	0.000	12:14
EXTERNAL STANDARD	0.078	12:14
X[1] = 0.0777 (-0.0030) (-0.0008)		
BLANK TEST	0.000	12:15
EXTERNAL STANDARD	0.078	12:16
X[1] = 0.0777 (-0.0032) (-0.0012)		
BLANK TEST	0.000	12:16
EXTERNAL STANDARD	0.078	12:17
X[1] = 0.0778 (-0.0030) (-0.0011)		
BLANK TEST	0.000	12:18

Average = 0.0780  
Std Dev = 0.0000

## 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 = 45.9°C	PASSED
(38.0°C - 50.0°C)	

### SETTINGS

Lamp Voltage = 1.77 V	PASSED
(1.09 V - 2.55 V)	
Cooler Voltage = 1.81 V	PASSED
(1.09 V - 2.53 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 508 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.7 in	

### PUMP INFO

Flow Rate = 3.922 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
(0.002 V <= 0.010 V)	

### FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD	PASSED
Xq = 0.080 1.61% (0.00% - 4.00%)	

SUBJECT TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100363

Date: 08/23/2022  
Time: 12:23:41

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: 0.080  
LOT #: AG113402  
EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	12:24
BLANK TEST	0.000	12:24
INTERNAL STANDARD	VERIFIED	12:24
EXTERNAL STANDARD	0.078	12:25
BLANK TEST	0.000	12:26
SUBJECT SAMPLE (Vol=2.16L)	0.000	12:26
BLANK TEST	0.000	12:27
EXTERNAL STANDARD	0.078	12:27
BLANK TEST	0.000	12:28

*Handwritten signature: OXG*

