

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

Effective: 11/10/2021

Version: 2.0

Instrument #: 100378

Analyst(s): Carlie Haister

Start Date: 7/11/2022

Reason for instrument evaluation

RFI Status messages

### 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,

Replaced O-ring Set RFI sensitivity

- |   |  |
|---|--|
| <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: 7/11/2022

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Approved by: Chemistry Supervisor

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100378

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 07/11/2022

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.53: 0.079  
LOT #: AG113402  
EXPIRATION: 05/14/2023  
TANK PRESSURE: 510 psi

BLANK TEST	0.000	10:39
INTERNAL STANDARD	VERIFIED	10:39
Xq = 0.087 (0.30%)		
EXTERNAL STANDARD	0.076	10:39
X[1] = 0.0759 (-0.0010) (-0.0011)		
BLANK TEST	0.000	10:40
EXTERNAL STANDARD	0.076	10:40
X[1] = 0.0764 (-0.0007) (-0.0001)		
BLANK TEST	0.000	10:41
EXTERNAL STANDARD	0.077	10:41
X[1] = 0.0767 (-0.0002) (-0.0002)		
BLANK TEST	0.000	10:42
EXTERNAL STANDARD	0.076	10:42
X[1] = 0.0764 (-0.0003) (-0.0008)		
BLANK TEST	0.000	10:43
EXTERNAL STANDARD	0.077	10:44
X[1] = 0.0767 (-0.0003) (0.0000)		
BLANK TEST	0.000	10:44

Average = 0.0764  
Std Dev = 0.0005

## Diagnostic Check

VERSIONS  
DMT: 3.02  
PIC: 3.02  
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 = 1.55 V	PASSED
(0.93 V - 2.17 V)	
Cooler Voltage = 1.60 V	PASSED
(0.94 V - 2.20 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 517 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.5 in	

### PUMP INFO

Flow Rate = 4.500 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
(0.003 V <= 0.010 V)	

### FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD	PASSED
Xq = 0.087 0.40% (0.00% - 4.00%)	

SUBJECT TEST

Alaska Department of Public Safety

DATAMASTER dmt: 100378

Date: 07/11/2022  
Time: 10:55:04

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	PASSED	10:56
TARGET AT 29.52: 0.079	0.000	10:56
BLOT #: AG113402	VERIFIED	10:56
EXPIRATION: 05/14/2023	0.076	10:56
	0.000	10:57
	0.000	10:57
	0.000	10:58
	0.077	10:59
	0.000	11:00

DIAGNOSTIC CHECK	PASSED	10:56
BLANK TEST	0.000	10:56
INTERNAL STANDARD	VERIFIED	10:56
EXTERNAL STANDARD	0.076	10:56
BLANK TEST	0.000	10:57
SUBJECT SAMPLE (Vol=2.63L)	0.000	10:57
BLANK TEST	0.000	10:58
EXTERNAL STANDARD	0.077	10:59
BLANK TEST	0.000	11:00

