

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 11/10/2021

Version: 2.0

Instrument #: 100381

Analyst(s): Carlisle Glaister

Start Date: 11/19/2021

Reason for instrument evaluation

Instrument returned from training @ APD.

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

Reset options. Note from APD stated the instrument was resetting itself. DMT software 3.02 was reinstalled on instrument.
Instrument operated normally during evaluation

- | | |
|--|--|
| <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: 11/19/2021

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100381

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/19/2021

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.89: 0.080
LOT #: AG018102
EXPIRATION: 06/29/2022
TANK PRESSURE: 1190 psi

BLANK TEST	0.000	13:02
INTERNAL STANDARD	✓ VERIFIED	13:02
Xq = 0.092 (0.48%)		
EXTERNAL STANDARD	0.077	13:02
X[1] = 0.0766 (-0.0045) (-0.0020)		
BLANK TEST	0.000	13:03
EXTERNAL STANDARD	0.077	13:03
X[1] = 0.0773 (-0.0043) (-0.0011)		
BLANK TEST	0.000	13:04
EXTERNAL STANDARD	0.078	13:04
X[1] = 0.0775 (-0.0039) (-0.0014)		
BLANK TEST	0.000	13:05
EXTERNAL STANDARD	0.078	13:06
X[1] = 0.0777 (-0.0037) (-0.0011)		
BLANK TEST	0.000	13:07
EXTERNAL STANDARD	0.077	13:07
X[1] = 0.0772 (-0.0042) (-0.0008)		
BLANK TEST	0.000	13:08

Average = 0.0774
Std Dev = 0.0005

Diagnostic Check

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

TEMPERATURES

Sample Chamber = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 46.2°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.69 V	PASSED
(1.02 V - 2.38 V)	
Cooler Voltage = 1.65 V	PASSED
(0.97 V - 2.27 V)	
Bias Voltage = 79 V	PASSED
(47 V - 111 V)	
Chopper Freq = 521 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.9 in	

PUMP INFO

Flow Rate = 4.701 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	✓	PASSED
Xq = 0.092 0.29% (0.00% - 4.00%)		

SUBJECT TEST

Alaska Department of Public Safety

DATAMASTER dmt: 100381

Date: 11/19/2021

Time: 13:10:05

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 29.90: 0.080

LOT #: AG018102

EXPIRATION: 06/29/2022

DIAGNOSTIC CHECK

BLANK TEST

INTERNAL STANDARD

EXTERNAL STANDARD

BLANK TEST

SUBJECT SAMPLE (Vol=2.54L)

BLANK TEST

EXTERNAL STANDARD

BLANK TEST

PASSED 13:11
0.000 13:11
VERIFIED 13:11
0.077 13:11
0.000 13:12
0.000 13:12
0.000 13:13
0.078 13:14
0.000 13:14

CKG

