

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Issued: 05/15/2020
Effective: 05/15/2020

Version: DMEF 2020 R0
Status: Active

Instrument # 100359

Start Date: 06/02/20

Analysts: Derek Watten

Reason for instrument evaluation

Internal Standard error

Visual Inspection

- | | |
|---|---|
| <input checked="" type="checkbox"/> Clean | <input checked="" type="checkbox"/> Replace missing screws |
| <input checked="" type="checkbox"/> Cermetex Box is secure | <input checked="" type="checkbox"/> Ensure modem cable present |
| <input checked="" type="checkbox"/> Gas Valve upright or secured to wall | <input checked="" type="checkbox"/> All tubing and connections are secure |
| <input checked="" type="checkbox"/> O-ring inspection and ensure 2 O-rings in replacement bag | |

Troubleshooting/Repair

VOC computed normally. Breath test computed normally.

- | | |
|---|--|
| <input checked="" type="checkbox"/> VOC (attached) | |
| <input checked="" type="checkbox"/> Internal Standard value $\leq 3.00\%$ | |
| <input checked="" type="checkbox"/> Verify software version | |
| <input type="checkbox"/> Return to Factory for Repair | <input type="checkbox"/> Ready for Calibration |
| <input checked="" type="checkbox"/> Ready for Certification | <input type="checkbox"/> Proceed to Close Out |

End Date: 06/02/20

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100359

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 06/02/2020

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.47: 0.079
LOT #: AG826101
EXPIRATION: 09/18/2020
TANK PRESSURE: 532 psi

BLANK TEST	0.000	17:12
INTERNAL STANDARD ✓	VERIFIED	17:12
Xq = 0.104 (1.90%)		
EXTERNAL STANDARD	0.079	17:12
X[1] = 0.0786 (-0.0010) (0.0002)		
BLANK TEST	0.000	17:13
EXTERNAL STANDARD	0.078	17:13
X[1] = 0.0783 (-0.0007) (0.0000)		
BLANK TEST	0.000	17:14
EXTERNAL STANDARD	0.078	17:14
X[1] = 0.0783 (-0.0001) (0.0004)		
BLANK TEST	0.000	17:15
EXTERNAL STANDARD	0.078	17:16
X[1] = 0.0781 (-0.0008) (-0.0005)		
BLANK TEST	0.000	17:16
EXTERNAL STANDARD	0.078	17:17
X[1] = 0.0776 (-0.0017) (-0.0004)		
BLANK TEST	0.000	17:18

Average = 0.0782
Std Dev = 0.0004

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 = 45.8°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.50 V PASSED
(0.90 V - 2.10 V)
Cooler Voltage = 1.51 V PASSED
(0.89 V - 2.07 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 = 4.524 L/M PASSED
(3.500 L/M - 6.500 L/M)

DETECTOR INFO

PUMP ON PASSED
(0.004 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 = 0.104 2.16% (0.00% - 4.00%)

SUBJECT TEST

Alaska Department of Public Safety

DATAMASTER dmt: 100359

Date: 06/02/2020

Time: 17:28:50

SUBJECT NAME:

TEST TEST

LICENSE #: XXXX

OPERATOR NAME:

DEREK WALTON

OPERATOR'S #: 9508

DEPT/AGENCY:

NON-DRINKING SUBJECT

CASE/REPORT: XXXX

TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.47: 0.079

LOT #: AG826101

EXPIRATION: 09/18/2020

DIAGNOSTIC CHECK	PASSED	17:29
BLANK TEST	0.000	17:30
INTERNAL STANDARD	✓ VERIFIED	17:30
Xg = 0.103 (1.73%)		
EXTERNAL STANDARD	0.078	17:30
X[1] = 0.0781 (-0.0001)	(0.0023)	
BLANK TEST	0.000	17:31
SUBJECT SAMPLE (Vol=3.08L)	0.000	17:31
X[1] = 0.0000 (-0.0001)	(0.0000)	
BLANK TEST	0.000	17:32
EXTERNAL STANDARD	0.079	17:33
X[1] = 0.0788 (-0.0022)	(0.0003)	
BLANK TEST	0.000	17:33

