

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF 2020 R0
Status: Active

Instrument # 100357

Start Date: 6/30/21

Analysts: Colleen O'Bryant

Reason for instrument evaluation

Standard out of range @ 0.200 on certification

Visual Inspection

- Clean
- Replace missing screws
- Cermetex Box is secure
- Ensure modem cable present
- Gas Valve upright or secured to wall
- All tubing and connections are secure
- O-ring inspection and ensure 2 O-rings in replacement bag

** performed by DJW on 5/13/21 Eval*

Troubleshooting/Repair

Calibration Recommended

- VOC (attached)
- Internal Standard value $\leq 3.00\%$
- Verify software version

- Return to Factory for Repair
- Ready for Calibration
- Ready for Certification
- Proceed to Close Out

End Date: 6/30/21

DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100357

Date: 06/30/2021
Time: 10:02:28

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 = 44.6°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.88 V PASSED
(1.13 V - 2.65 V)
Cooler Voltage = 1.89 V PASSED
(1.13 V - 2.65 V)
Bias Voltage = 80 V PASSED
(48 V - 112 V)
Chopper Freq = 522 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.9 in

PUMP INFO

Flow Rate = 5.078 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 = 0.086 0.71% (0.00% - 4.00%) PASSED