

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 11/10/2021

Version: 2.0

Instrument #: 100675

Analyst(s): Carlisle Glaister

Start Date: 11/22/2021

Reason for instrument evaluation

Detector overflow issues

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 double sided tape on double check valve & secured to wall.

No o-ring was present, added o-ring.

Bottom left screw on top of lid is sheared off, I'll fix sheared screw.

Filter wheel error on VOC. Filter wheel errors occurred when troubleshooting in technician mode. Detector reading ~ 2.000 in technician mode. Adjusted lamp & cooler to reduce detector reading to ~ 0.040. Detector voltage seemed to slowly increase & would not level out, lamp bias & cooler stayed the same. Recommend replacing detector & troubleshooting filter wheel further.

- | | |
|---|---|
| <input checked="" type="checkbox"/> VOC (attached) filter wheel error | <input checked="" type="checkbox"/> Verify software version |
| <input type="checkbox"/> VOC Internal Standard value $\leq 3.00\%$ | <input type="checkbox"/> Non-Drinking Subject Test (attached) |

026
12/28/21

- | | |
|---|--|
| <input type="checkbox"/> Return to Factory | <input type="checkbox"/> Ready for Calibration |
| <input type="checkbox"/> Ready for Certification | <input type="checkbox"/> Proceed to Close Out |
| <input checked="" type="checkbox"/> Further Evaluation Needed | |

End Date: 12/28/21

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Approved by: Chemistry Supervisor

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100675

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/22/2021

External Standard Test Values

Diagnostic Check

VERSIONS

DMT: 3.02

PIC: 3.03

Modem: 2.6

Questions: 2.2

Filter Wheel Error