

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 11/10/2021

Version: 2.0

Instrument #: 100396

Analyst(s): Carlie Glaister

Start Date: 8/30/2022

Reason for instrument evaluation

Detector overflow errors. Controller board removed previously.

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

Installed updated controller board. Filter wheel error when technician mode was opened. Chopper wheel is very noisy & displaying a 0 in technician mode. Detector value is not changing when lamp & cooler are adjusted.

Replace Chopper wheel motor. Troubleshoot detector issues once chopper wheel & filter wheel are operating normally - NO chopper wheel motors available at this time.

- | | |
|---|---|
| <input checked="" type="checkbox"/> VOC (attached) | <input checked="" type="checkbox"/> Verify software version <u>MLW</u> |
| <input checked="" type="checkbox"/> VOC Internal Standard value $\leq 3.00\%$ | <input checked="" type="checkbox"/> Non-Drinking Subject Test (attached) <u>8/30/2022</u> |
| <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: 8/30/2022

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Approved by: Chemistry Supervisor