

Alaska Scientific Crime Detection Laboratory

DataMaster Calibration Form

Effective: 1/23/2024

Version: 4.0

Instrument #: 100422 Analyst or Technician Name: Kaga Swisher

DataMaster DMT Calibration Start Date: 11/7/24

Diagnostic Test

- Perform Diagnostic Test (View Details) *Screen froze on Reports page, could not*
 Internal Standard Value \leq 3.00% *Continue testing. Restarted and screen was*
still frozen. KS 11/7/24

Technician Screen and Calibration Factors

- Adjust Voltages (if needed)
- Lamp (2.60 V Maximum)
 - Bias
 - Cooler (2.00 V Maximum)
 - Chopper Frequency
 - Detector Voltage (-0.100V to 0.100V)
- Set RFI Sensitivity
- Adjust internal barometer reading to match NIST-traceable barometer
Barometer/Thermometer/Hygrometer S/N: _____
Calibration Due Date: _____
- Verify Volume Setting (1.50 L +/- 0.10 L), adjust if needed
- Print Technician Screen
- Print "Cal Factors"

Minimum Volume Test

- Perform Minimum Volume (Subject) Test: _____ liters (1.3 L to 1.7 L)

As Left Linearity Testing

Barometric Pressure (in Hg) _____ Temperature(C) _____ Relative Humidity(%) _____
Approved Concentrations (g/210L): 0.020, 0.040, 0.080, 0.100, 0.150, 0.300

Functional Tests

- Incomplete Maximum Attempts Exceeded
 Invalid Radio Frequency Interference (RFI)
 Interference (Volatiles) - *Print with View Details*
1. Acetone Reagent Lot Number: _____ Expiration Date: _____
Simulator S/N: _____ Thermometer Verification Performed?
2. Isopropanol Reagent Lot Number: _____ Expiration Date: _____
Simulator S/N: _____ Thermometer Verification Performed?
3. Negative (Ethanol Only) Lot Number: _____ Expiration Date: _____
Simulator S/N: _____ Thermometer Verification Performed?
- Calibrated External Thermometer S/N: _____
Calibration Due Date: _____

Administrative

- Verify Stylus Calibration Perform Non-Drinking Subject Test
 Reset Options Upload Instrument
 Clear Memory Remove Dry Gas Tank Before Shutdown
 Verification of Calibration (VOC) Add Ready for Tech Review Note

Completion

Lab Work End Date: _____
Data Interpretation Date (Technician): _____ (if applicable)
Data Interpretation Date (Analyst): _____

All printed copies are uncontrolled.

Approved by: Chemistry Supervisor

DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100422

Date: 11/07/2024
Time: 09:24:32

VERSIONS

DMT: 3.02
PIC: 3.03
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.7°C	PASSED
Breath Tube = 48.1°C	PASSED

PUMP INFO

Flow Rate = 4.833 L/M	PASSED
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DETECTOR INFO

PUMP ON	PASSED
PUMP OFF	PASSED

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD

PASSED

REJECTED