Alaska Scientific Crime Detection Laboratory

| DataMaster Calibration Form |
|---|
| Effective: 1/23/2024 Version: 4.0 |
| Instrument #: 100424 Analyst or Technician Name: Cour lie Glaister |
| DataMaster DMT Calibration Start Date: 7/1/25 |
| Diagnostic Test |
| Perform Diagnostic Test (View Details) |
| Internal Standard Value ≤ 3.00% |
| Technician Screen and Calibration Factors |
| Adjust Voltages (if needed) |
| Lamp (2.60 V Maximum) Chopper Frequency |
| Bias Detector Voltage |
| • Cooler (2.00 V Maximum) (-0.100V to 0.100V) |
| Set RFI Sensitivity |
| Adjust internal barometer reading to match NIST-traceable barometer |
| Barometer/Thermometer/Hygrometer S/N: 24008077) |
| Calibration Due Date: 9/10/2026 |
| 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: LS liters (1.3 L to 1.7 L) |
| As Left Linearity Testing |
| Barometric Pressure (in Hg) 29.67 Temperature(C) 21.7 Relative Humidity(%) 46 |
| Approved Concentrations (g/210L): 0.020, 0.040, 0.080, 0.100, 0.150, 0.300 |
| |
| Incomplete Maximum Attempts Exceeded Dilung error of 2 1/201 |
| Invalid Radio Frequency Interference (RFI) |
| Interference (Volatiles) - Print with View Details warm mirror block. Recommend replant |
| 1. Acetone Reagent Lot Number: Expiration Date: Solengid |
| 1. Acetone Reagent Lot Number: Expiration Date: Solenoid & wir |
| 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: 711125 |
| Data Interpretation Date (Technician): (if applicable) |
| Data Interpretation Date (Analyst): 7/1/2025 |
| |

All printed copies are uncontrolled.

Approved by: Chemistry Supervisor

DIAGNOSTIC RECORD

Alaska Department of Public Safety

DATAMASTER dmt: 100424

Date: 07/01/2025 Time: 10:43:32

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.9°C PASSED (44.0°C - 52.0°C) Breath Tube = 48.1°C PASSED (38.0°C - 50.0°C)

SETTINGS
Lamp Voltage = 1.68 V PASSED
(1.03 V - 2.39 V)
Cooler Voltage = 1.68 V PASSED
(1.04 V - 2.42 V)
Bias Voltage = 80 V PASSED
(48 V - 112 V)
Chopper Freq = 534 Hz
(475 Hz - 575 Hz)
Barometer = 29.6 in

PUMP INFO

Flow Rate = 3.937 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 PASSED Xq = 0.080 1.77% (0.00% - 4.00%)

Technician Screen

DATAMASTER dmt: 100424

Date: 07/01/2025 Time: 10:48 AM

Temperatures (°C)

Sample Cell: 48.9°C Breath Tube: 47.5°C

Current Barometer 29.7 in Volume (Ltr) 1.57

Settings

Lamp: 1.68 V
Bias: 80 V
Cooler: 1.68 V
Chopper: 534 Hz

Voltages (V)

Flow: 1.04 V Detector: -0.054 V



CALIBRATION FACTORS

Alaska Department of Public Safety

DATAMASTER dmt: 100424

Date: 02/04/2021 Time: 08:40:43

OPERATOR NAME:

ST LOUIS INTOX A TECH CERTIFICATE #: OU8122

Ca = 0.1990

| Ca | = | 0.1990 | | | | | |
|-----|---|----------|--------|----|-----|---|--------|
| CAL | = | 1.027085 | 0.800 | <= | CAL | < | 1.200 |
| b1 | = | 0.0004 | 0.0000 | <= | b1 | < | 0.0040 |
| b2 | = | 0.0051 | 0.0010 | <= | b2 | < | 0.0100 |
| b3 | = | 0.0004 | 0.0000 | <= | b3 | < | 0.0040 |
| Xσ | = | 0.0785 | 0.0500 | <= | Χq | < | 0.2000 |
| | | 1.135345 | 1.050 | <= | a2Ĩ | < | 1.300 |
| | | 0.399030 | 0.300 | | | | |
| | | | | | | | |

| | 36.00 | 28.00 | 24.00 | 20.00 | : | 16.00 | 12.00 | 00.8 | 4.00 | 0.00 |
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| (g/21 te(L/ ow Ra | | | | North National | | | | | | wew. |
| Alcohol(g/210L) Flow Rate(L/M) Min. Flow Rate(L/M) | | | | 3 | | | 8 | | | |
| A1 | | | | | | | | ······································ | | |
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| | | · | | 52 | 10:52 10:52 10:52 10:53 10:54 | 5 2 2 | | | | |

PASSED 0.000 VERIFIED 0.081 0.000 L) 0.000 0.081

SUBJECT SAMPLE (Vol=1.61L)

BLANK TEST EXTERNAL STANDARD BLANK TEST

INTERNAL STANDARD EXTERNAL STANDARD BLANK TEST

DIAGNOSTIC CHECK BLANK TEST

EXTERNAL STANDARD INFORMATION

DEPT/AGENCY: MINIMUM VOLUME TEST

CASE/REPORT: XXXX

TEST TYPE: TEST

CARLIE GLAISTER OPERATOR'S #: 10436

OPERATOR NAME:

NOMINAL: 0.080 TARGET AT 29.65: 0.079 LOT #: AG335202 EXPIRATION: 12/18/2025

Alaska Department of Public Safety DATAMASTER dmt: 100424

SUBJECT TEST

Date: 07/01/2025 Time: 10:51:17

TEST TEST LICENSE #: XXXX

SUBJECT NAME:

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