

Alaska Scientific Crime Detection Laboratory

DataMaster Repair Form

Effective: 10/10/2022

Version: 1.0

Instrument #: 100370

Analyst(s): Carlie Plaister

Start Date: 11/21/2023

Reason for Repair

Regulator needs to be replaced, unable to thread tanks.

Troubleshooting/Repair

Replaced regulator. Added O-ring.

- | | |
|---|--|
| <input checked="" type="checkbox"/> VOC (attached) | <input checked="" type="checkbox"/> Verify software version |
| <input checked="" type="checkbox"/> VOC Internal Standard value $\leq 3.00\%$ | <input checked="" type="checkbox"/> Non-Drinking Subject Test (attached) |
| <input type="checkbox"/> Ready for Adjustment | <input checked="" type="checkbox"/> Ready for Calibration |
| <input type="checkbox"/> Further Repair Needed | <input type="checkbox"/> Return to Factory |
| <input type="checkbox"/> Proceed to Close Out | |

End Date: 11/21/2023

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100370

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/21/2023

External Standard Test Values

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.25: 0.078
LOT #: AG310901
EXPIRATION: 04/19/2025
TANK PRESSURE: 612 psi

BLANK TEST 0.000 11:13
INTERNAL STANDARD VERIFIED 11:13
Xq = 0.091 (2.06%)
EXTERNAL STANDARD 0.079 11:13
X[1] = 0.0789 (-0.0003) (-0.0007)
BLANK TEST 0.000 11:14
EXTERNAL STANDARD 0.078 11:14
X[1] = 0.0783 (-0.0008) (-0.0005)
BLANK TEST 0.000 11:15
EXTERNAL STANDARD 0.078 11:16
X[1] = 0.0784 (-0.0011) (-0.0004)
BLANK TEST 0.000 11:17
EXTERNAL STANDARD 0.079 11:17
X[1] = 0.0786 (-0.0009) (-0.0001)
BLANK TEST 0.000 11:18
EXTERNAL STANDARD 0.079 11:18
X[1] = 0.0789 (-0.0005) (-0.0005)
BLANK TEST 0.000 11:19

Average = 0.0786
Std Dev = 0.0005

Diagnostic Check

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

TEMPERATURES
Sample Chamber = 48.7°C PASSED
(44.0°C - 52.0°C)
Breath Tube = 46.4°C PASSED
(38.0°C - 50.0°C)

SETTINGS
Lamp Voltage = 1.90 V PASSED
(1.06 V - 2.48 V)
Cooler Voltage = 1.84 V PASSED
(1.06 V - 2.46 V)
Bias Voltage = 79 V PASSED
(48 V - 112 V)
Chopper Freq = 528 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.2 in

PUMP INFO
Flow Rate = 4.440 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
(0.001 V <= 0.010 V)

FILTER INFO
Filter 1 PASSED
Filter 2 PASSED
Filter 3 PASSED

INTERNAL STANDARD PASSED
Xq = 0.091 2.16% (0.00% - 4.00%)

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100370

Date: 11/21/2023
Time: 11:22:32

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
CARLIE GLAISTER
OPERATOR'S #: 10436

DEPT/AGENCY:
NON-DRINKING SUBJECT TEST
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.25: 0.078
LOT #: AG310901
EXPIRATION: 04/19/2025

DIAGNOSTIC CHECK	PASSED	11:23
BLANK TEST	0.000	11:23
INTERNAL STANDARD	VERIFIED	11:23
EXTERNAL STANDARD	0.078	11:23
BLANK TEST	0.000	11:24
SUBJECT SAMPLE (Vol=1.99L)	0.000	11:25
BLANK TEST	0.000	11:26
EXTERNAL STANDARD	0.078	11:26
BLANK TEST	0.000	11:27

CKG

