

Alaska Scientific Crime Detection Laboratory

DataMaster Repair Form

Effective: 10/10/2022

Version: 1.0

Instrument #: 100670
Start Date: 11/25/24

Analyst(s): C. O. Bryant

Reason for Repair

Modem wasn't functional in the field or at the lab.

Troubleshooting/Repair

Checked all modem board connections + replaced the Cermetek box on the modem board.

Uploaded instrument without issue.

- | | |
|---|--|
| <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: 11/25/24

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100670

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/25/2024

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.71: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 684 psi

BLANK TEST	0.000	13:39
INTERNAL STANDARD	VERIFIED	13:39
Xq = 0.088	(0.69%)	
EXTERNAL STANDARD	0.080	13:39
X[1] = 0.0797	(0.0007) (0.0021)	
BLANK TEST	0.000	13:40
EXTERNAL STANDARD	0.079	13:41
X[1] = 0.0793	(-0.0011) (0.0014)	
BLANK TEST	0.000	13:41
EXTERNAL STANDARD	0.080	13:42
X[1] = 0.0801	(0.0007) (0.0014)	
BLANK TEST	0.000	13:43
EXTERNAL STANDARD	0.080	13:43
X[1] = 0.0799	(0.0006) (0.0012)	
BLANK TEST	0.000	13:44
EXTERNAL STANDARD	0.080	13:44
X[1] = 0.0797	(0.0000) (0.0013)	
BLANK TEST	0.000	13:45

Average = 0.0798
Std Dev = 0.0004

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 49.6°C PASSED
(44.0°C - 52.0°C)
Breath Tube = 46.8°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.74 V PASSED
(1.05 V - 2.45 V)
Cooler Voltage = 1.68 V PASSED
(1.01 V - 2.35 V)
Bias Voltage = 79 V PASSED
(47 V - 111 V)
Chopper Freq = 504 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.7 in

PUMP INFO

Flow Rate = 5.137 L/M PASSED
(3.500 L/M - 6.500 L/M)

DETECTOR INFO

PUMP ON PASSED
(0.003 V <= 0.010 V)
PUMP OFF PASSED
(0.003 V <= 0.010 V)

FILTER INFO

Filter 1 PASSED
Filter 2 PASSED
Filter 3 PASSED

INTERNAL STANDARD

Xq = 0.088 (1.08% (0.00% - 4.00%))

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100670

Date: 11/25/2024
Time: 13:46:58

SUBJECT NAME:
TEST TEST
LICENSE #: NDST

OPERATOR NAME:
COLLEEN S O'BRYANT
OPERATOR'S #: 6237

DEPT/AGENCY:
AAA1
CASE/REPORT: 24-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.71: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	13:48
BLANK TEST	0.000	13:48
INTERNAL STANDARD	VERIFIED	13:48
EXTERNAL STANDARD	0.079	13:48
BLANK TEST	0.000	13:49
SUBJECT SAMPLE (Vol=2.31L)	0.000	13:50
BLANK TEST	0.000	13:51
EXTERNAL STANDARD	0.080	13:51
BLANK TEST	0.000	13:52

