

Alaska Scientific Crime Detection Laboratory

DataMaster Repair Form

Effective: 10/10/2022

Version: 1.0

Instrument #: 100345

Analyst(s): C. O'Bryant

Start Date: 7/25/23

Reason for Repair

Regulator sticking (not leaking) on calibration tanks. Replacing regulator recommended

Troubleshooting/Repair

Replaced the regulator
Completed 2 VOCs using different tanks and a non-drinking subject test.

- | | |
|--|--|
| <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: 7/26/23

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100345

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 07/26/2023

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.91: 0.080
LOT #: AG310901
EXPIRATION: 04/19/2025
TANK PRESSURE: 1192 psi

BLANK TEST	0.000	11:23
INTERNAL STANDARD	VERIFIED	11:23
Xq = 0.093	(1.11%)	
EXTERNAL STANDARD	0.078	11:23
X[1] = 0.0777	(-0.0013) (0.0020)	
BLANK TEST	0.000	11:24
EXTERNAL STANDARD	0.078	11:24
X[1] = 0.0781	(-0.0007) (0.0019)	
BLANK TEST	0.000	11:25
EXTERNAL STANDARD	0.078	11:25
X[1] = 0.0780	(-0.0007) (0.0026)	
BLANK TEST	0.000	11:26
EXTERNAL STANDARD	0.078	11:26
X[1] = 0.0782	(-0.0005) (0.0026)	
BLANK TEST	0.000	11:27
EXTERNAL STANDARD	0.078	11:28
X[1] = 0.0781	(-0.0004) (0.0026)	
BLANK TEST	0.000	11:28

Average = 0.0780
Std Dev = 0.0000

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 = 46.1°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.70 V	PASSED
(1.02 V - 2.38 V)	
Cooler Voltage = 1.64 V	PASSED
(0.98 V - 2.30 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 522 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.9 in	

PUMP INFO

Flow Rate = 4.465 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

Xq = 0.093	(1.11%)	(0.00% - 4.00%)	PASSED
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VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100345

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 07/26/2023

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.91: 0.080
LOT #: 09523080A1
EXPIRATION: 05/05/2025
TANK PRESSURE: 945 psi

BLANK TEST	0.000	11:33
INTERNAL STANDARD	VERIFIED	11:33
EXTERNAL STANDARD	0.079	11:33
BLANK TEST	0.000	11:34
EXTERNAL STANDARD	0.078	11:34
BLANK TEST	0.000	11:35
EXTERNAL STANDARD	0.079	11:35
BLANK TEST	0.000	11:36
EXTERNAL STANDARD	0.078	11:37
BLANK TEST	0.000	11:37
EXTERNAL STANDARD	0.079	11:38
BLANK TEST	0.000	11:39

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 = 48.8°C PASSED
Breath Tube = 47.5°C PASSED

PUMP INFO

Flow Rate = 4.410 L/M PASSED

DETECTOR INFO

PUMP ON PASSED
PUMP OFF PASSED

FILTER INFO

Filter 1 PASSED
Filter 2 PASSED
Filter 3 PASSED

INTERNAL STANDARD PASSED

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100345

Date: 07/26/2023
Time: 11:48:40

SUBJECT NAME:
TEST TEST
LICENSE #: NON-DRINKING

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

DEPT/AGENCY:
AAA1
CASE/REPORT: 23-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.92: 0.080
LOT #: 09523080A1
EXPIRATION: 05/05/2025

DIAGNOSTIC CHECK	PASSED	11:50
BLANK TEST	0.000	11:50
INTERNAL STANDARD	VERIFIED	11:50
EXTERNAL STANDARD	0.078	11:50
BLANK TEST	0.000	11:51
SUBJECT SAMPLE (Vol=1.69L)	0.000	11:51
BLANK TEST	0.000	11:53
EXTERNAL STANDARD	0.079	11:53
BLANK TEST	0.000	11:54

CSB

