

Alaska Scientific Crime Detection Laboratory

DataMaster Repair Form

Effective: 10/10/2022

Version: 1.0

Instrument #: 100700

Analyst(s): C. O' Bryant

Start Date: 6/20/23

Reason for Repair

Frozen touch screen

Troubleshooting/Repair

Officer reported frozen touch screen (on + off) over a 3 day period.

I was at PRD when the instrument was being repaired + experienced periodic issues with touch screen response. Did not encounter the same issues during Check in or Evaluation.

Due to the touchscreen issues encountered in the field I replaced the screen.

VOC + Non-drinking subject test occurred without any touchscreen issues.

- | | |
|---|--|
| <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: 6/22/23

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100700

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 06/21/2023

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.71: 0.079
LOT #: 09523080A1
EXPIRATION: 05/05/2025
TANK PRESSURE: 813 psi

BLANK TEST	0.000	12:13
INTERNAL STANDARD	VERIFIED	12:13
Xq = 0.080	(0.22%)	
EXTERNAL STANDARD	0.080	12:13
X[1] = 0.0798	(0.0000) (0.0015)	
BLANK TEST	0.000	12:14
EXTERNAL STANDARD	0.079	12:14
X[1] = 0.0790	(-0.0004) (0.0009)	
BLANK TEST	0.000	12:15
EXTERNAL STANDARD	0.080	12:16
X[1] = 0.0796	(-0.0003) (0.0003)	
BLANK TEST	0.000	12:16
EXTERNAL STANDARD	0.080	12:17
X[1] = 0.0799	(-0.0001) (0.0009)	
BLANK TEST	0.000	12:18
EXTERNAL STANDARD	0.080	12:18
X[1] = 0.0802	(0.0005) (0.0015)	
BLANK TEST	0.000	12:19

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 = 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 = 1.70 V	PASSED
(1.02 V - 2.38 V)	
Cooler Voltage = 1.68 V	PASSED
(0.98 V - 2.28 V)	
Bias Voltage = 80 V	PASSED
(49 V - 115 V)	
Chopper Freq = 525 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.7 in	

PUMP INFO

Flow Rate = 4.661 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 = 0.079 (1.62%) (0.00% - 4.00%)

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100700

Date: 06/22/2023
Time: 12:11:14

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 29.71: 0.079
LOT #: 09523080A1
EXPIRATION: 05/05/2025

TEST TYPE	RESULT	TIME
DIAGNOSTIC CHECK	PASSED	12:12
BLANK TEST	0.000	12:12
INTERNAL STANDARD	VERIFIED	12:12
EXTERNAL STANDARD	0.080	12:12
BLANK TEST	0.000	12:13
SUBJECT SAMPLE (Vol=2.19L)	0.000	12:13
BLANK TEST	0.000	12:14
EXTERNAL STANDARD	0.080	12:15
BLANK TEST	0.000	12:16

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