

Alaska Scientific Crime Detection Laboratory

DataMaster Repair Form

Effective: 10/10/2022

Version: 1.0

Instrument #: 100687

Analyst(s): C. O. Bryant

Start Date: 1/3/23

Reason for Repair

Screen is cracked. Removed from service for interference detected, IS error + (blank) error.

Troubleshooting/Repair

Replaced the screen.

Completed a VOC and non-drinking subject test, and supervisor test.

Filter readings of external standard were within range (Filter 2+3)

Unable to duplicate interference detected, internal standard error or (blank) error.

VOC (attached)

VOC Internal Standard value $\leq 3.00\%$

Ready for Adjustment

Further Repair Needed

Proceed to Close Out

Verify software version

Non-Drinking Subject Test (attached)

COB 2023.01.17

Ready for Calibration

Return to Factory

End Date: 1/3/23

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Serial #: 100687

Date: 01/03/2023

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.18: 0.078
LOT #: AG113402
EXPIRATION: 05/14/2023
TANK PRESSURE: 582 psi

BLANK TEST	0.000	13:18
INTERNAL STANDARD	VERIFIED	13:18
Xq = 0.086	(1.23%)	
EXTERNAL STANDARD	0.076	13:18
X[1] = 0.0756 (-0.0027)	(-0.0011)	
BLANK TEST	0.000	13:19
EXTERNAL STANDARD	0.075	13:20
X[1] = 0.0755 (-0.0034)	(-0.0014)	
BLANK TEST	0.000	13:20
EXTERNAL STANDARD	0.076	13:21
X[1] = 0.0759 (-0.0023)	(-0.0015)	
BLANK TEST	0.000	13:22
EXTERNAL STANDARD	0.076	13:22
X[1] = 0.0759 (-0.0023)	(-0.0008)	
BLANK TEST	0.000	13:23
EXTERNAL STANDARD	0.076	13:23
X[1] = 0.0762 (-0.0020)	(-0.0007)	
BLANK TEST	0.000	13:24

Average = 0.0758
Std Dev = 0.0004

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 = 44.1°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.56 V	PASSED
(0.94 V - 2.18 V)	
Cooler Voltage = 1.56 V	PASSED
(0.94 V - 2.18 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 526 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.2 in	

PUMP INFO

Flow Rate = 4.323 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 = 0.085	0.10%	(0.00% - 4.00%)	PASSED
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SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100687

Date: 01/03/2023
Time: 13:25:19

SUBJECT NAME:
TEST TEST
LICENSE #: NON-DRINKING

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

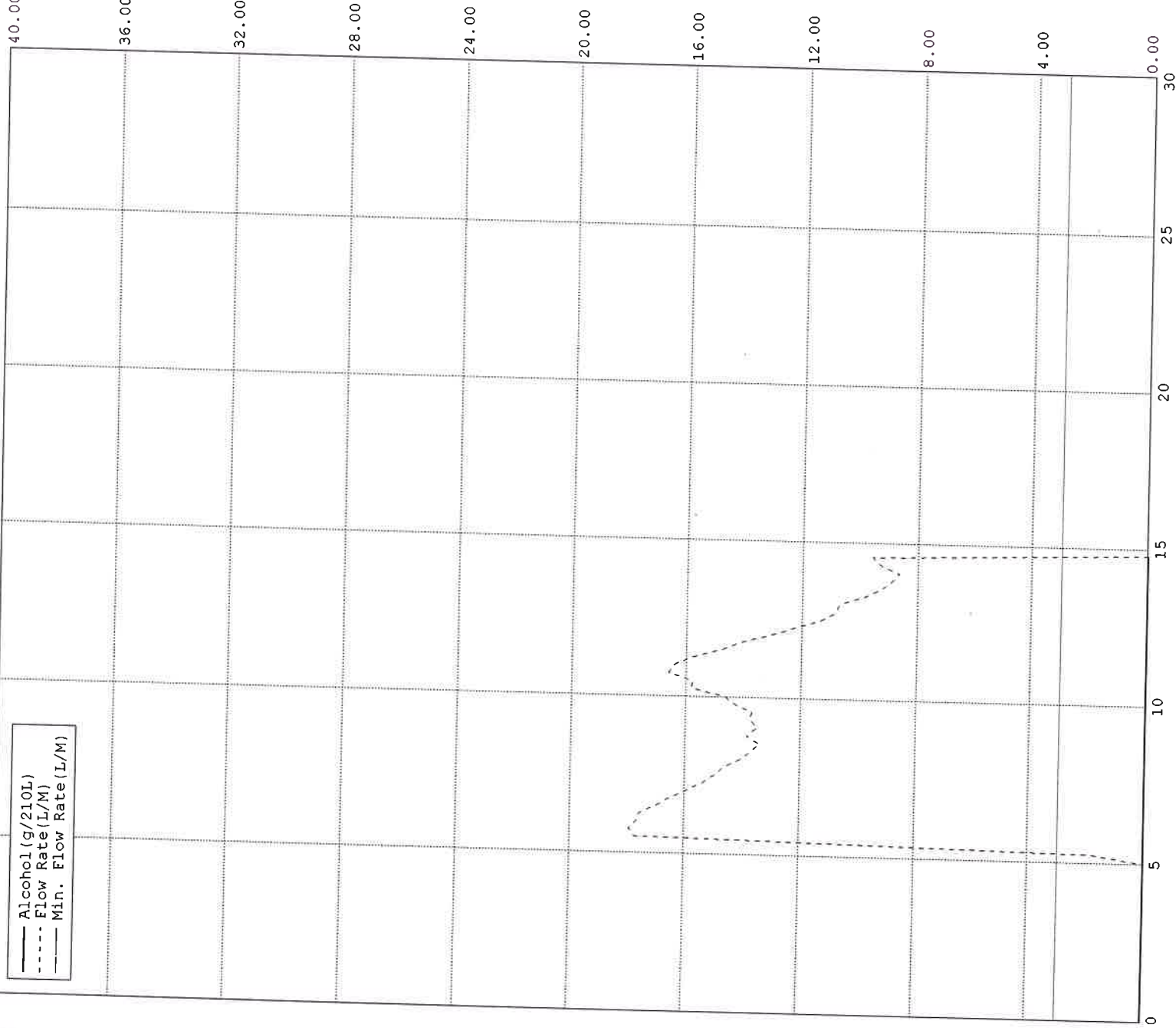
DEPT/AGENCY:
AAA1

CASE/REPORT: 23-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.18: 0.078
LOT #: AG113402
EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	13:26
BLANK TEST	0.000	13:27
INTERNAL STANDARD	VERIFIED	13:27
Xq = 0.086 (1.33%)		
EXTERNAL STANDARD	0.076	13:27
X[1] = 0.0759 (-0.0023) (-0.0007)		
BLANK TEST	0.000	13:28
SUBJECT SAMPLE (Vol=2.14L)	0.000	13:28
X[1] = 0.0008 (-0.0019) (0.0000)		
BLANK TEST	0.000	13:29
EXTERNAL STANDARD	0.076	13:29
X[1] = 0.0765 (-0.0007) (0.0000)		
BLANK TEST	0.000	13:30



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100687

Date: 01/03/2023
 Time: 13:32:31

SUPERVISOR NAME:
 COLLEEN S OBRYANT
 OPERATOR'S #: 6237

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
 TARGET AT 29.18: 0.078
 LOT #: AG113402
 EXPIRATION: 05/14/2023
 TANK PRESSURE: 560 psi

BLANK TEST	0.000	13:33
INTERNAL STANDARD	VERIFIED	13:33
Xq = 0.086 (1.54%)		
EXTERNAL STANDARD	0.076	13:33
X[1] = 0.0763 (-0.0020) (-0.0002)		
BLANK TEST	0.000	13:34
EXTERNAL STANDARD	0.076	13:35
X[1] = 0.0764 (-0.0014) (0.0003)		
BLANK TEST	0.000	13:35
EXTERNAL STANDARD	0.076	13:36
X[1] = 0.0763 (-0.0020) (0.0001)		
BLANK TEST	0.000	13:37
EXTERNAL STANDARD	0.076	13:37
X[1] = 0.0762 (-0.0015) (-0.0001)		
BLANK TEST	0.000	13:38
EXTERNAL STANDARD	0.076	13:38
X[1] = 0.0758 (-0.0019) (0.0001)		
BLANK TEST	0.000	13:39

Average = 0.0760
 Std Dev = 0.0000

