

Alaska Scientific Crime Detection Laboratory

DataMaster Repair Form

Effective: 10/10/2022

Version: 1.0

Instrument #: 100693
Start Date: 11/27/24

Analyst(s): C. O. Bryant

Reason for Repair

gas flow error occurred on two 0.300 level tanks.

Troubleshooting/Repair

confirmed gas flow error with 0.300 level tank during a supervisor test.

changed regulator and attempted further testing.

1. VOC = Blank error
2. VOC = Completed successfully
3. Supervisor Test @ 0.300 = Blank error
4. Supervisor Test @ 0.300 = Blank error
5. Non-Drinking Subject Test = Blank Error
6. Non-Drinking Subject Test = Completed Successfully

Based on intermittent blank errors, recommend adjustment. COB 11/27/24

- | | |
|---|--|
| <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 checked="" type="checkbox"/> Ready for Adjustment | <input 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: 11/27/24

SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100693

Date: 11/27/2024
Time: 11:49:16

SUPERVISOR NAME:
COLLEEN OBRYANT
OPERATOR'S #: 6237

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.300
TARGET AT 29.97: 0.301
TANK PRESSURE: 256 psi

BLANK TEST 0.000 11:50
INTERNAL STANDARD VERIFIED 11:50

Gas Flow Error

*Prior to swapping
out regulator.*

COB 11/27/24

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100693

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/27/2024

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.97: 0.080
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 261 psi

BLANK TEST	0.000	13:15
INTERNAL STANDARD	VERIFIED	13:16
EXTERNAL STANDARD	0.079	13:16
BLANK TEST	0.000	13:17
EXTERNAL STANDARD	0.079	13:17

Blank Error

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.8°C	PASSED
Breath Tube = 43.2°C	PASSED

PUMP INFO

Flow Rate = 4.516 L/M	PASSED
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DETECTOR INFO

PUMP ON	PASSED
PUMP OFF	PASSED

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD	PASSED
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VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100693

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/27/2024

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.97: 0.080
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 252 psi

BLANK TEST	0.000	13:30
INTERNAL STANDARD	VERIFIED	13:30
EXTERNAL STANDARD	0.079	13:30
BLANK TEST	0.000	13:31
EXTERNAL STANDARD	0.079	13:31
BLANK TEST	0.000	13:32
EXTERNAL STANDARD	0.079	13:33
BLANK TEST	0.000	13:33
EXTERNAL STANDARD	0.080	13:34
BLANK TEST	0.000	13:35
EXTERNAL STANDARD	0.079	13:35
BLANK TEST	0.000	13:36

Average = 0.0792
Std Dev = 0.0004

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.6°C PASSED
Breath Tube = 43.2°C PASSED

PUMP INFO

Flow Rate = 4.624 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

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100693

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/27/2024

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.97: 0.080
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 252 psi

BLANK TEST	0.000	13:30
INTERNAL STANDARD	VERIFIED	13:30
Xq = 0.091 (0.00%)		
EXTERNAL STANDARD	0.079	13:30
X[1] = 0.0794 (-0.0028) (0.0006)		
BLANK TEST	0.000	13:31
EXTERNAL STANDARD	0.079	13:31
X[1] = 0.0794 (-0.0026) (0.0004)		
BLANK TEST	0.000	13:32
EXTERNAL STANDARD	0.079	13:33
X[1] = 0.0791 (-0.0034) (0.0006)		
BLANK TEST	0.000	13:33
EXTERNAL STANDARD	0.080	13:34
X[1] = 0.0796 (-0.0030) (0.0008)		
BLANK TEST	0.000	13:35
EXTERNAL STANDARD	0.079	13:35
X[1] = 0.0792 (-0.0032) (0.0006)		
BLANK TEST	0.000	13:36

Average = 0.0792
Std Dev = 0.0004

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.6°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 43.2°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.58 V	PASSED
(1.02 V - 2.38 V)	
Cooler Voltage = 1.72 V	PASSED
(0.98 V - 2.30 V)	
Bias Voltage = 79 V	PASSED
(47 V - 111 V)	
Chopper Freq = 522 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 30.0 in	

PUMP INFO

Flow Rate = 4.624 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 = 0.091 (0.10%)	PASSED
(0.00% - 4.00%)	

SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100693

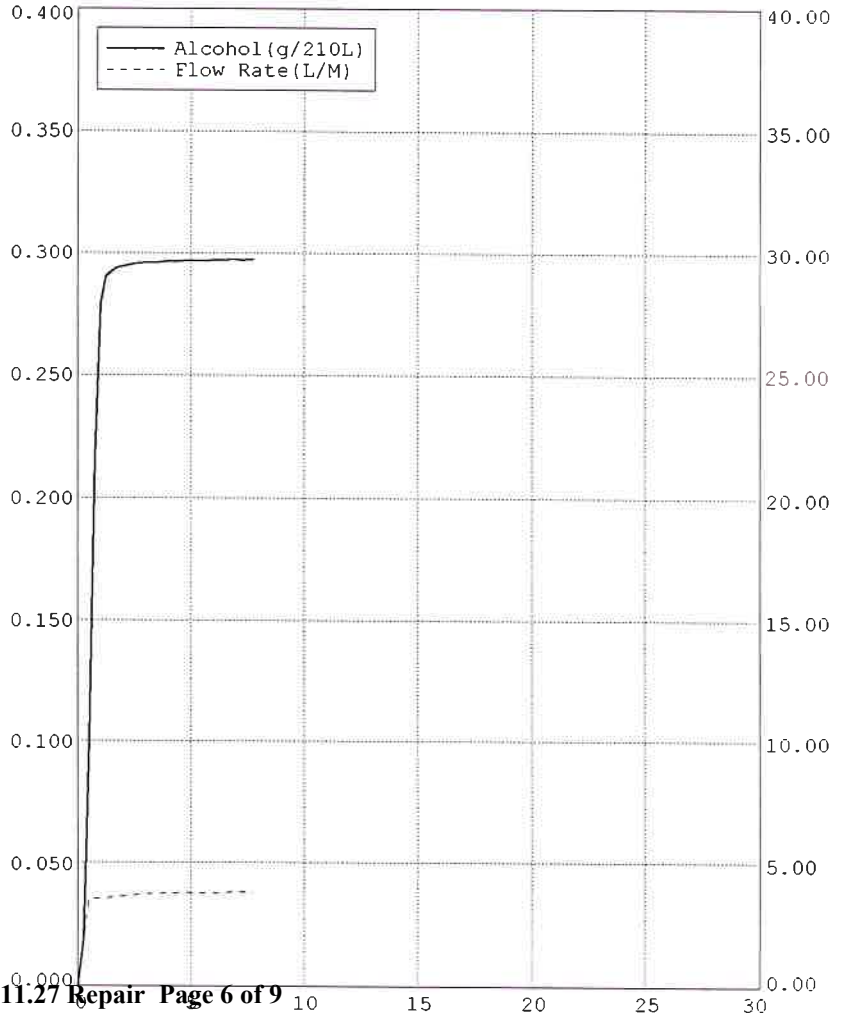
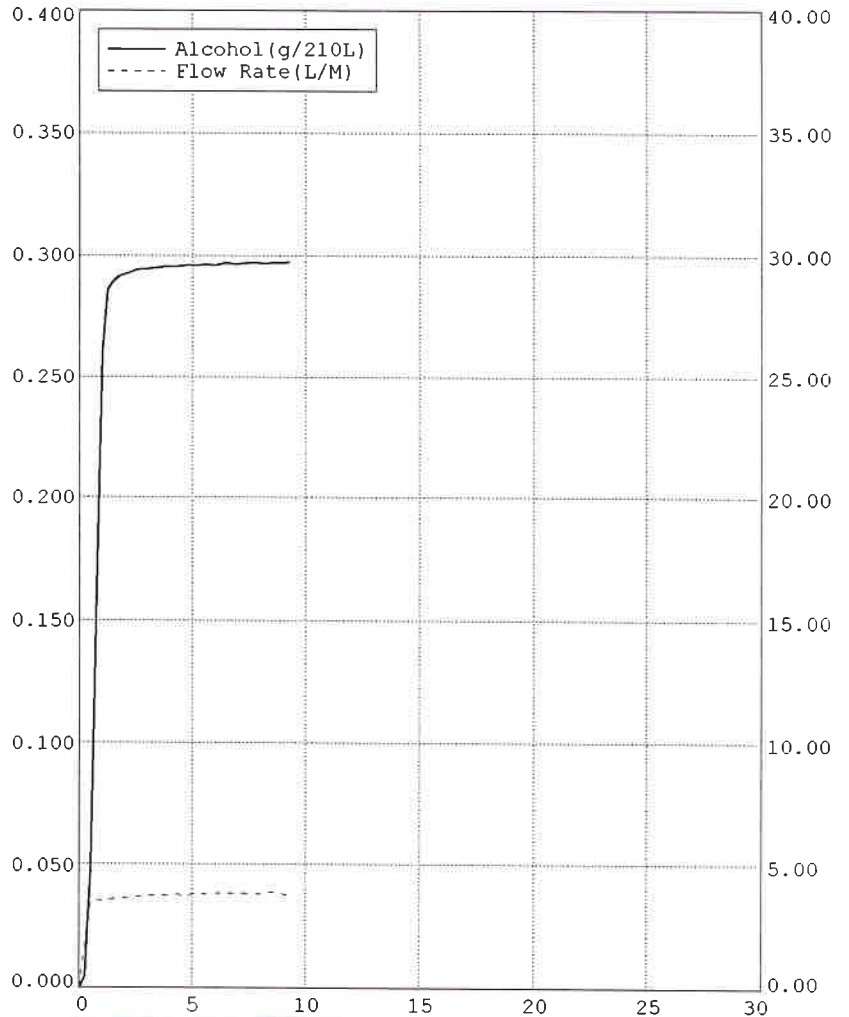
Date: 11/27/2024
Time: 13:37:38

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.300
TARGET AT 29.97: 0.301
TANK PRESSURE: 254 psi

BLANK TEST	0.000	13:38
INTERNAL STANDARD	VERIFIED	13:38
EXTERNAL STANDARD	0.297	13:39
BLANK TEST	0.000	13:39
EXTERNAL STANDARD	0.297	13:40

Blank Error



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100693

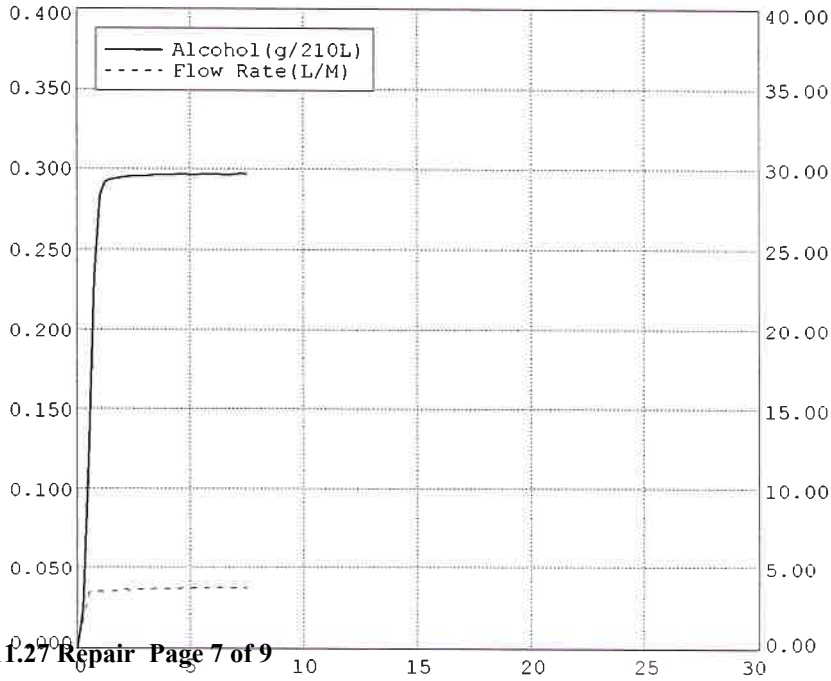
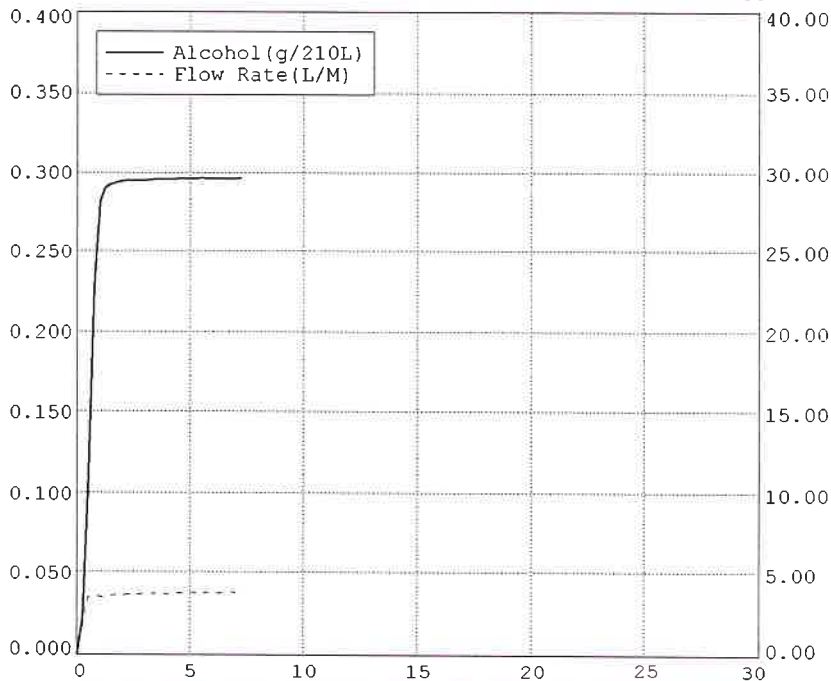
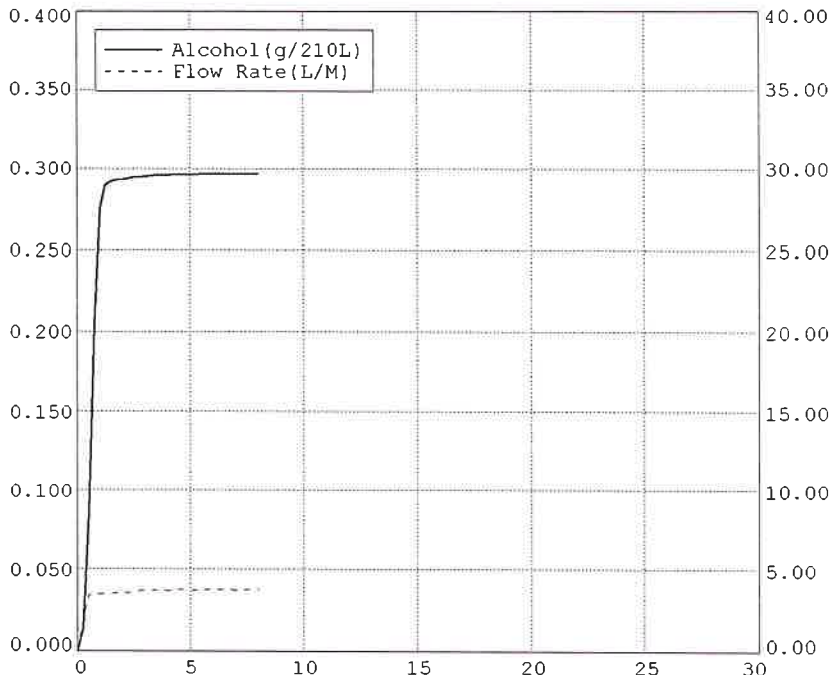
Date: 11/27/2024
Time: 13:42:09

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.300
TARGET AT 29.97: 0.300
TANK PRESSURE: 241 psi

BLANK TEST	0.000	13:43
INTERNAL STANDARD	VERIFIED	13:43
EXTERNAL STANDARD	0.297	13:43
BLANK TEST	0.000	13:44
EXTERNAL STANDARD	0.296	13:44
BLANK TEST	0.000	13:45
EXTERNAL STANDARD	0.296	13:45

Blank Error



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100693

Date: 11/27/2024
Time: 13:48:21

SUBJECT NAME:
TEST TEST
LICENSE #: NDST

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

DEPT/AGENCY:
AAA1

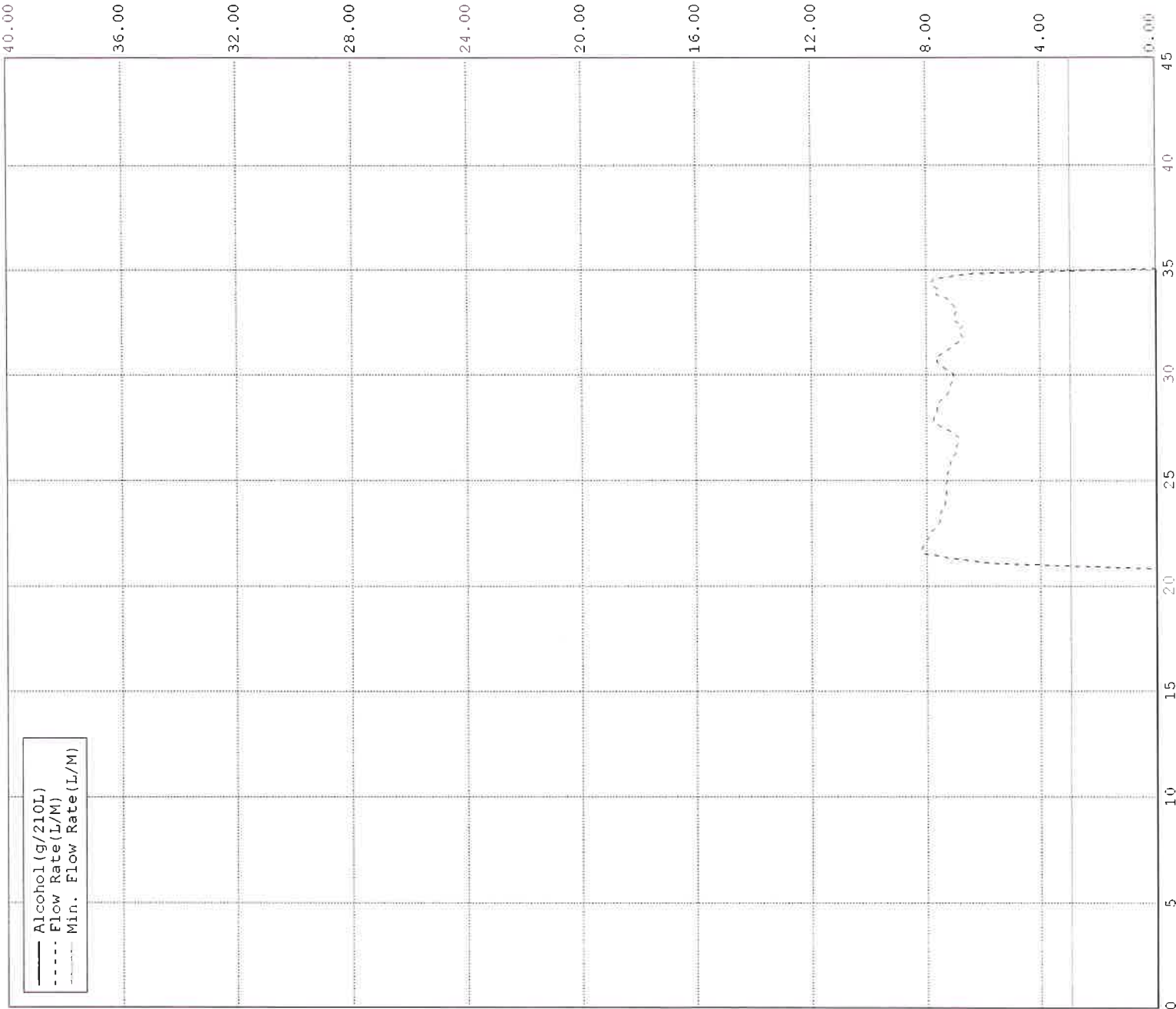
CASE/REPORT: 24-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.97: 0.080
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	13:51
BLANK TEST	0.000	13:51
INTERNAL STANDARD	VERIFIED	13:51
EXTERNAL STANDARD	0.080	13:52
BLANK TEST	0.000	13:53
SUBJECT SAMPLE (Vol=1.72L)	XXX	13:53

Blank Error



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100693

Date: 11/27/2024
Time: 13:55:59

SUBJECT NAME:
TEST TEST
LICENSE #: NDST

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

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.97: 0.080
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	13:57
BLANK TEST	0.000	13:57
INTERNAL STANDARD	VERIFIED	13:57
EXTERNAL STANDARD	0.081	13:58
BLANK TEST	0.000	13:58
SUBJECT SAMPLE (Vol=1.74L)	0.000	13:59
BLANK TEST	0.000	14:00
EXTERNAL STANDARD	0.080	14:00
BLANK TEST	0.000	14:01

