

# Alaska Scientific Crime Detection Laboratory

## DataMaster Certification Form

Issued: 7/10/2015  
Effective: 7/10/2015

Version: DMCEF 2015 R1  
Status: Active

Instrument S/N 100689 Analyst Colleen O'Bryen Start Date 10/28/15

1. Diagnostic Test (attached)  Internal Standard value  $\leq 3.00\%$  Yes
1. Voltage Checks
- a. Adjust voltages, if needed 
    - i. Lamp (2.6V Maximum)
    - ii. Bias
    - iii. Cooler (2.0V Maximum)
    - iv. Chopper Frequency
    - v. Detector Voltage (-0.100V to 0.100V)
  - b. Set RFI
  - c. Adjust barometer reading to match NIST traceable barometer
  - d. Adjust volume setting, if needed (1.5L +/- 0.1L)
  - e. Print Technician Screen (attached)

2. Print Calibration Factors (attached)

3. Volume Test - Minimum 1.5 L (1.3L to 1.7L)

4. Linearity Test (attached)

a. Levels Used

- i. 0.020g/210L Mnf ILMO Lot 02915020A2 Exp 3/5/17
- ii. 0.040g/210L Mnf ILMO Lot 02915040A3 Exp 3/5/17
- iii. 0.080g/210L Mnf ILMO Lot 01815080A2 Exp 2/5/17
- iv. 0.100g/210L Mnf ILMO Lot 02915100A1 Exp 3/5/17
- v. 0.200g/210L Mnf Guth Lot 15130 Exp 5/11/17
  - 1. Simulator S/N DR6267 Date Calibrated 1/20/15
- vi. 0.300g/210L Mnf Guth Lot 14270 Exp 12/2/16
  - 1. Simulator S/N DR4162 Date Calibrated 1/19/15

5. Functional Tests (attached)

- a. Incomplete
- b. Invalid
- c. Interference
- d. Exceeded attempts

- i. Acetone - Mnf Guth Lot 15050 Level 0.100 Exp 3/9/17
  - 1. Simulator S/N DR4163 Date Calibrated 1/19/15
- ii. Isopropanol - Mnf Guth Lot 15050 Level 0.100 Exp 3/9/17
  - 1. Simulator S/N SD1176 Date Calibrated 1/20/15
- iii. Negative Control - Mnf Guth Lot 15050 Level 0.100 Exp 3/9/17
  - 1. Simulator S/N DR4178 Date Calibrated 1/19/15

e. RFI

- 6. Verify stylus is calibrated
- 7. Reset Options
- 8. Clear Memory
- 9. Verification of Calibration
- 10. Non-Drinking Subject Test (attached)
- 11. Upload
- 13. Remove tank prior to shut down

End Date 11/2/15

DIAGNOSTIC RECORD

Alaska Department of Public Safety  
DATAMASTER dmt: 100689

Date: 10/28/2015  
Time: 12:07:56

VERSIONS

DMT: 3.01  
PIC: 3.03  
Modem: 2.6  
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.7°C PASSED  
(44.0°C - 52.0°C)  
Breath Tube = 48.1°C PASSED  
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.67 V PASSED  
(1.05 V - 2.45 V)  
Cooler Voltage = 1.75 V PASSED  
(0.99 V - 2.31 V)  
Bias Voltage = 80 V PASSED  
(49 V - 115 V)  
Chopper Freq = 559 Hz PASSED  
(475 Hz - 575 Hz)  
Barometer = 29.1 in

PUMP INFO

Flow Rate = 4.548 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 = 0.106 0.33% (0.00% - 4.00%) PASSED

Technician Screen

-----  
DATAMASTER dmt: 100689  
-----

Date: 10/28/2015  
Time: 12:18 PM

Temperatures (°C)

Sample Cell: 49.3°C  
Breath Tube: 48.1°C

Current Barometer 29.0 in  
Volume (Ltr) 1.52

Settings

Lamp: 1.83 V  
Bias: 80 V  
Cooler: 1.70 V  
Chopper: 553 Hz

Voltages (V)

Flow: 0.98 V  
Detector: -0.073 V

CALIBRATION FACTORS

-----  
Alaska Department of Public Safety  
DATAMASTER dmt: 100689  
-----

Date: 11/01/2011  
Time: 04:30:25

Ca = 0.1000  
CAL = 0.982061    0.800 <= CAL < 1.200  
b1 = 0.0008    0.0000 <= b1 < 0.0040  
b2 = 0.0063    0.0010 <= b2 < 0.0100  
b3 = 0.0000    0.0000 <= b3 < 0.0040  
Xq = 0.1052    0.0500 <= Xq < 0.2000  
a21 = 1.225267    1.050 <= a21 < 1.300  
a31 = 0.552932    0.300 <= a31 < 0.800

SUBJECT TEST

Alaska Department of Public Safety

DATAMASTER dmt: 100689

Date: 10/28/2015

Time: 12:19:33

SUBJECT NAME:  
TEST TEST  
LICENSE #: VOLUME TEST

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

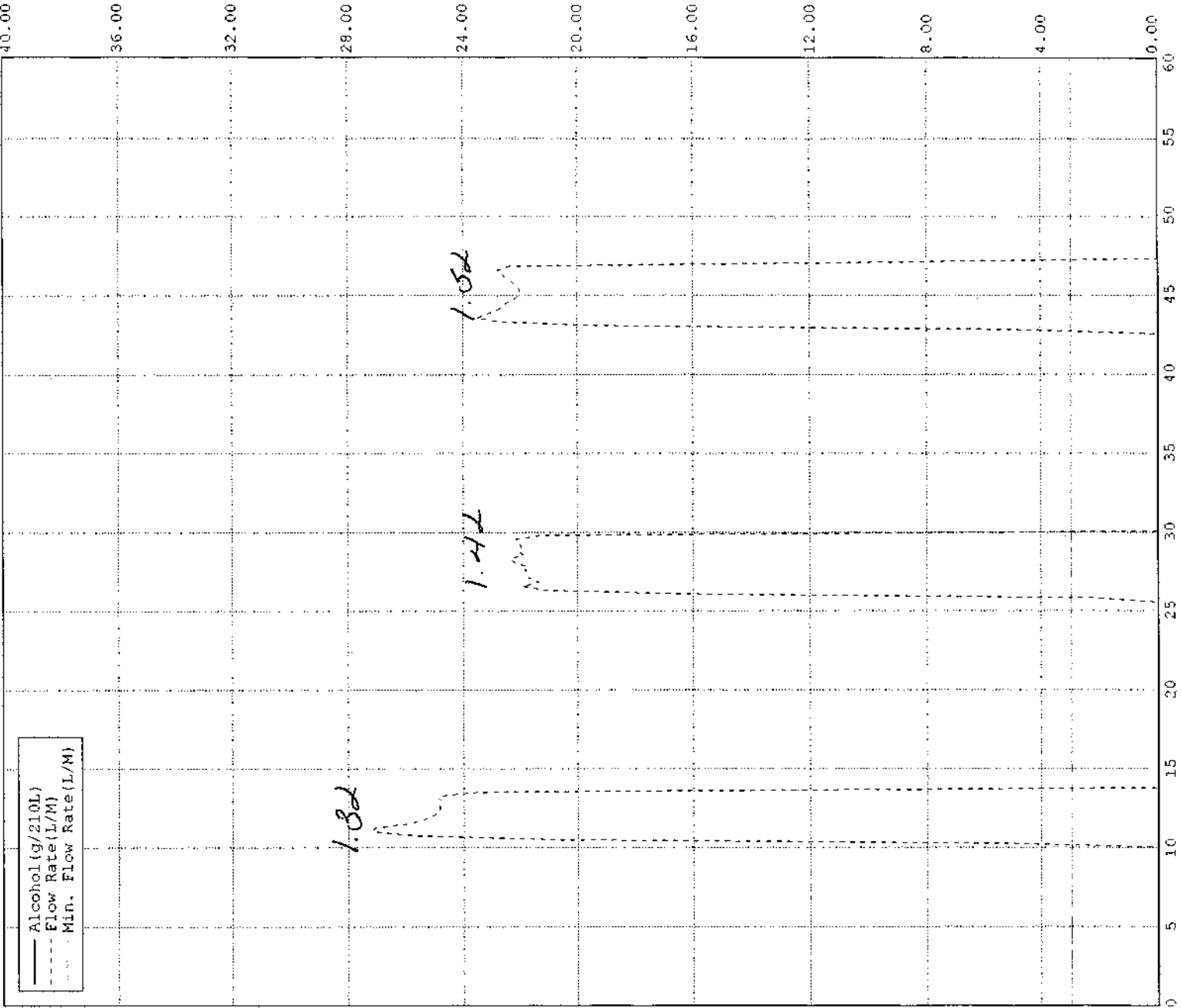
DEPT/AGENCY:

AAA1  
CASE/REPORT: 15-1234  
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.05: 0.078  
LOT #: 01315080A2  
EXPIRATION: 02/05/2017

|                            |          |       |
|----------------------------|----------|-------|
| DIAGNOSTIC CHECK           | PASSED   | 12:20 |
| BLANK TEST                 | 0.000    | 12:20 |
| INTERNAL STANDARD          | VERIFIED | 12:20 |
| EXTERNAL STANDARD          | 0.076    | 12:21 |
| BLANK TEST                 | 0.000    | 12:22 |
| SUBJECT SAMPLE (Vol=1.55L) | 0.000    | 12:22 |
| BLANK TEST                 | 0.000    | 12:23 |
| EXTERNAL STANDARD          | 0.076    | 12:23 |
| BLANK TEST                 | 0.000    | 12:24 |



LINEARITY CHECK

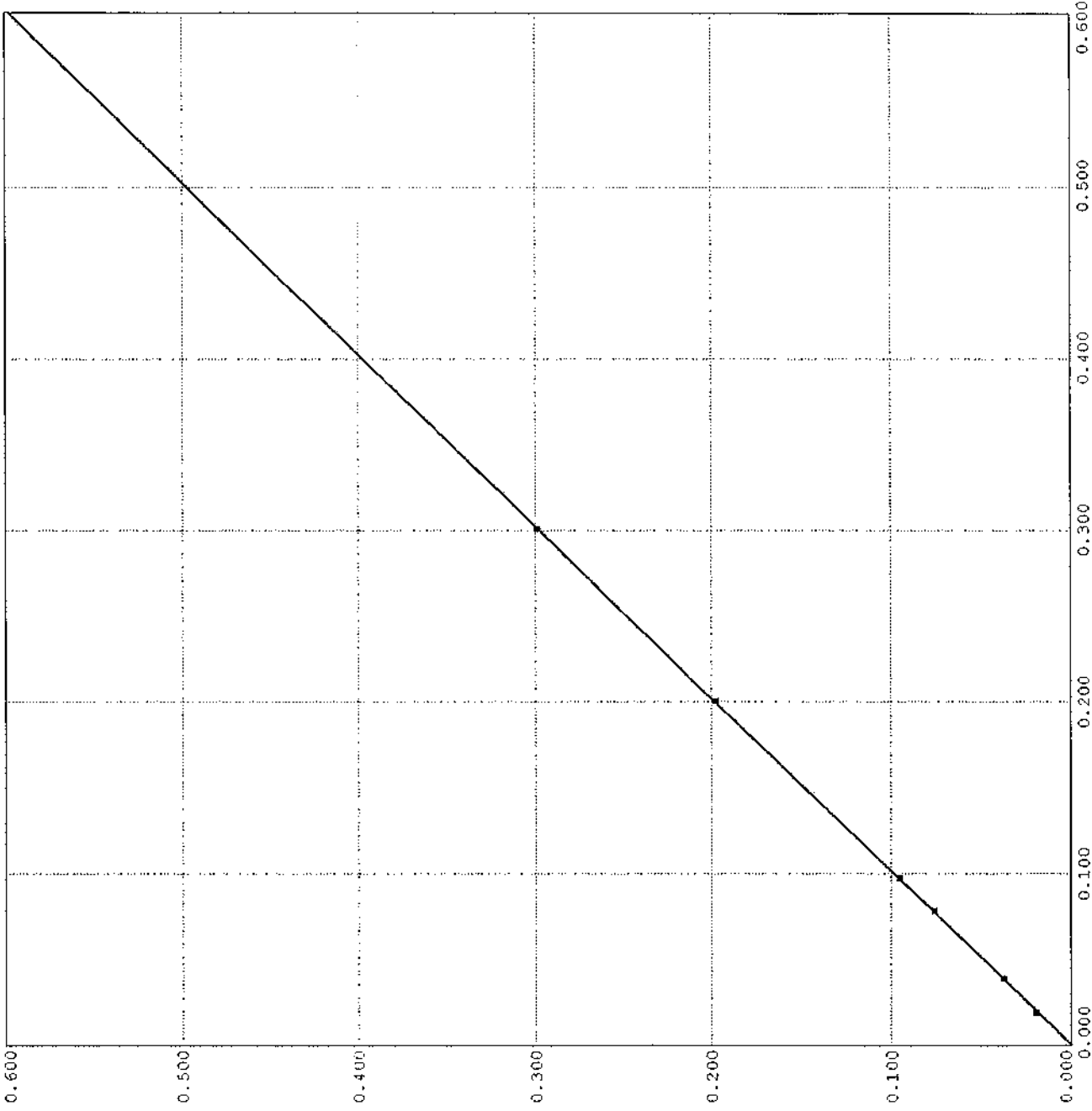
Alaska Department of Public Safety  
 DATAMASTER dmt: 100689

Date: 10/28/2015  
 Time: 12:28:30

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

| TARGET | AVERAGE | STD. DEV. |
|--------|---------|-----------|
| 0.019  | 0.0202  | 0.0004    |
| 0.039  | 0.0382  | 0.0004    |
| 0.078  | 0.0768  | 0.0004    |
| 0.097  | 0.0962  | 0.0004    |
| 0.200  | 0.1986  | 0.0005    |
| 0.300  | 0.2996  | 0.0005    |

SLOPE = 0.997160  
 R<sup>2</sup> = 0.999932



*CS*

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety  
 DATAMASTER dmt: 100689

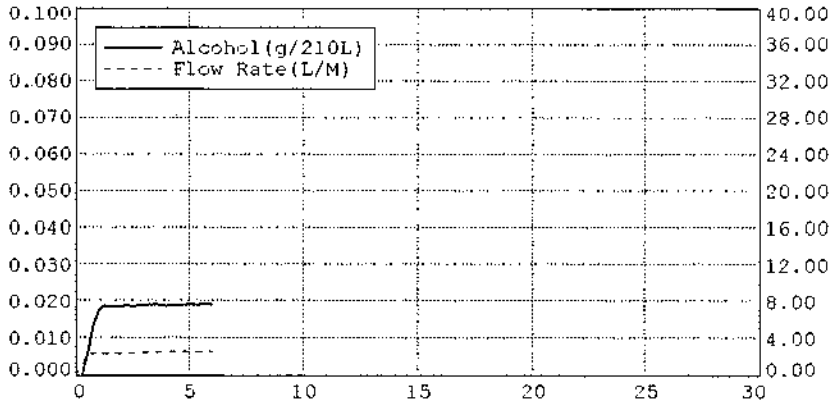
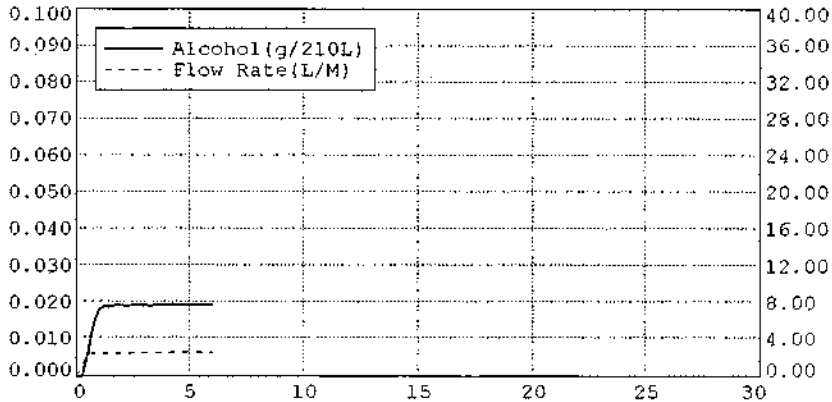
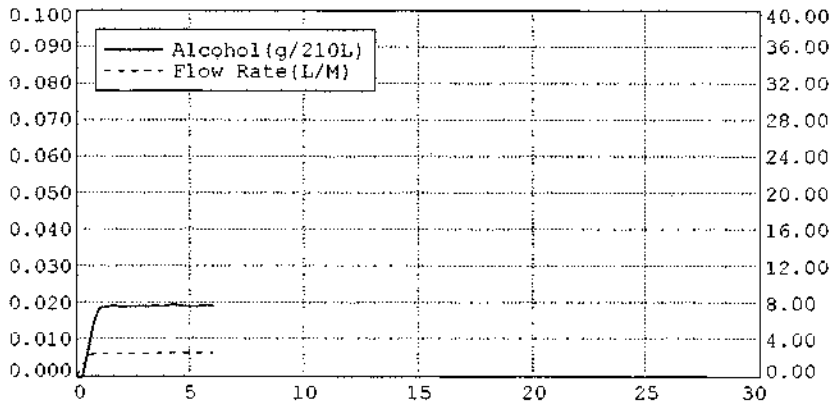
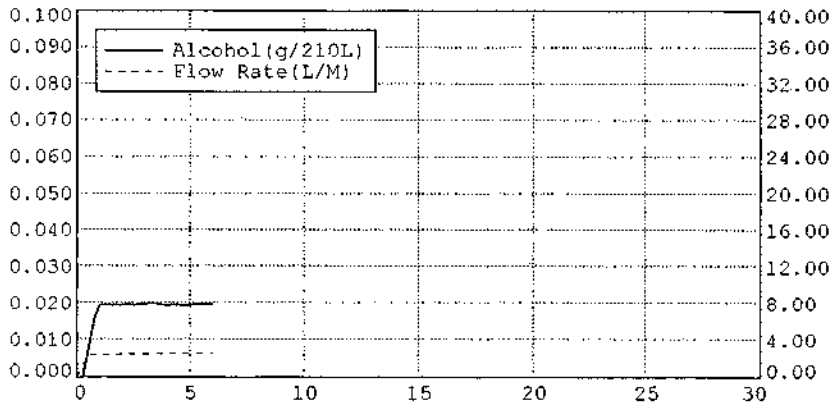
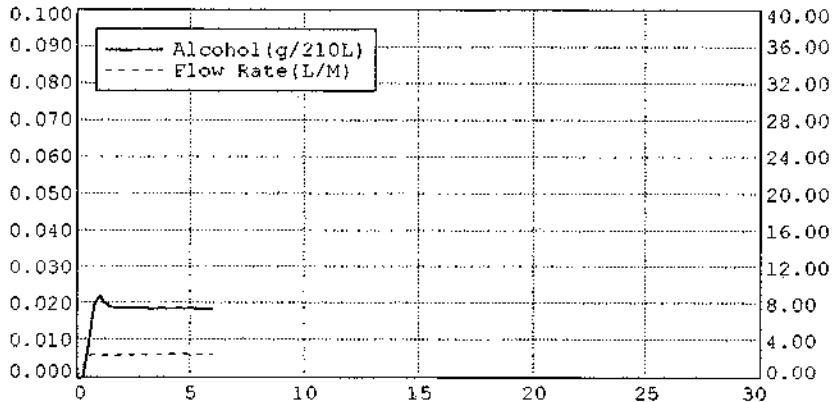
Date: 10/28/2015  
 Time: 12:28:31

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020  
 TARGET AT 29.06: 0.019  
 LOT #: 02915020A2  
 EXPIRATION: 03/05/2017  
 TANK PRESSURE: 842 psi

|                   |          |       |
|-------------------|----------|-------|
| BLANK TEST        | 0.000    | 12:30 |
| INTERNAL STANDARD | VERIFIED | 12:30 |
| EXTERNAL STANDARD | 0.020    | 12:31 |
| BLANK TEST        | 0.000    | 12:32 |
| EXTERNAL STANDARD | 0.021    | 12:32 |
| BLANK TEST        | 0.000    | 12:33 |
| EXTERNAL STANDARD | 0.020    | 12:33 |
| BLANK TEST        | 0.000    | 12:34 |
| EXTERNAL STANDARD | 0.020    | 12:34 |
| BLANK TEST        | 0.000    | 12:35 |
| EXTERNAL STANDARD | 0.020    | 12:35 |
| BLANK TEST        | 0.000    | 12:36 |

Average = 0.0202  
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety  
 DATAMASTER dmt: 100689

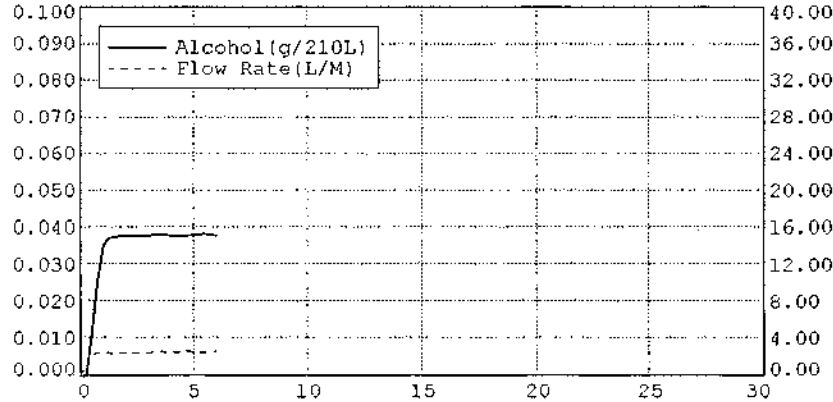
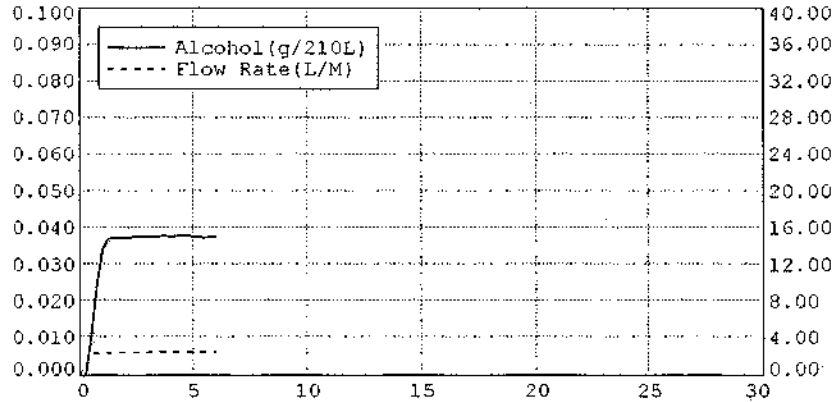
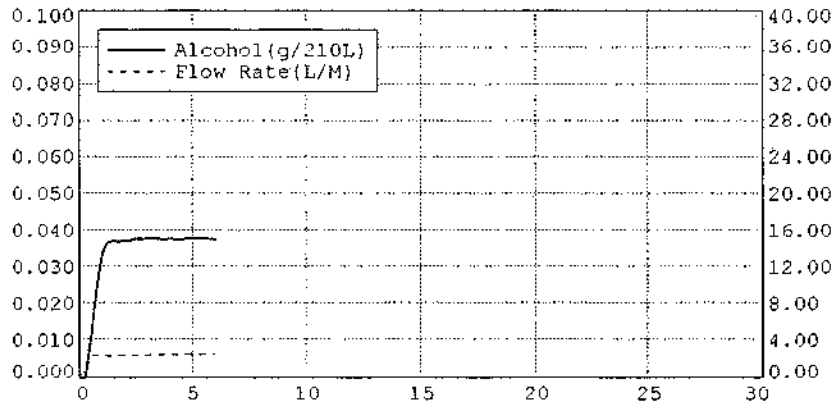
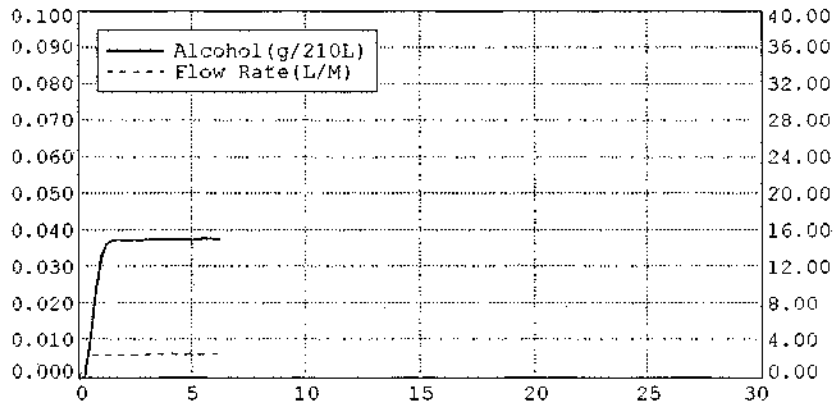
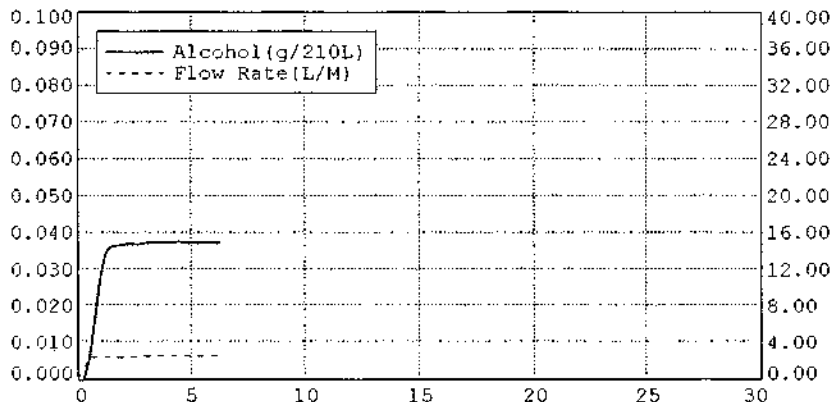
Date: 10/28/2015  
 Time: 12:39:45

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.040  
 TARGET AT 29.05: 0.039  
 LOT #: 02915040A3  
 EXPIRATION: 03/05/2017  
 TANK PRESSURE: 888 psi

|                   |          |       |
|-------------------|----------|-------|
| BLANK TEST        | 0.000    | 12:40 |
| INTERNAL STANDARD | VERIFIED | 12:41 |
| EXTERNAL STANDARD | 0.038    | 12:41 |
| BLANK TEST        | 0.000    | 12:42 |
| EXTERNAL STANDARD | 0.038    | 12:42 |
| BLANK TEST        | 0.000    | 12:43 |
| EXTERNAL STANDARD | 0.038    | 12:43 |
| BLANK TEST        | 0.000    | 12:44 |
| EXTERNAL STANDARD | 0.038    | 12:44 |
| BLANK TEST        | 0.000    | 12:45 |
| EXTERNAL STANDARD | 0.039    | 12:45 |
| BLANK TEST        | 0.000    | 12:46 |

Average = 0.0382  
 Std Dev = 0.0004





LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety  
 DATAMASTER dmt: 100689

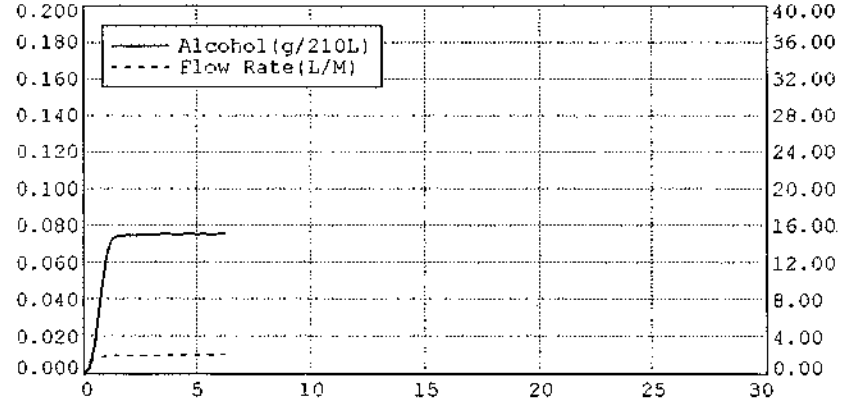
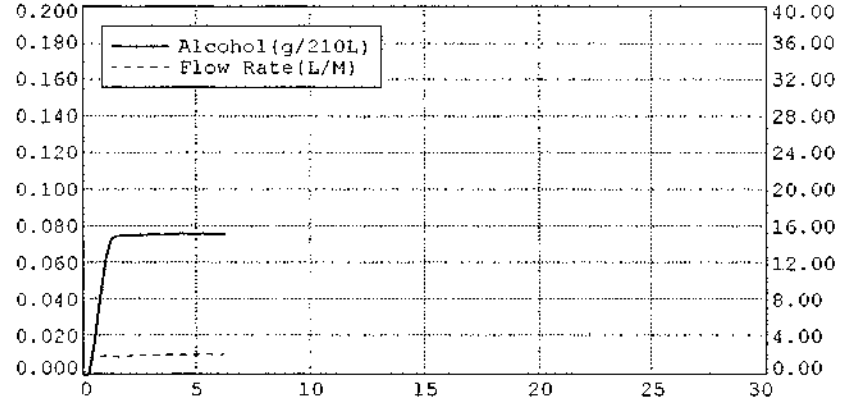
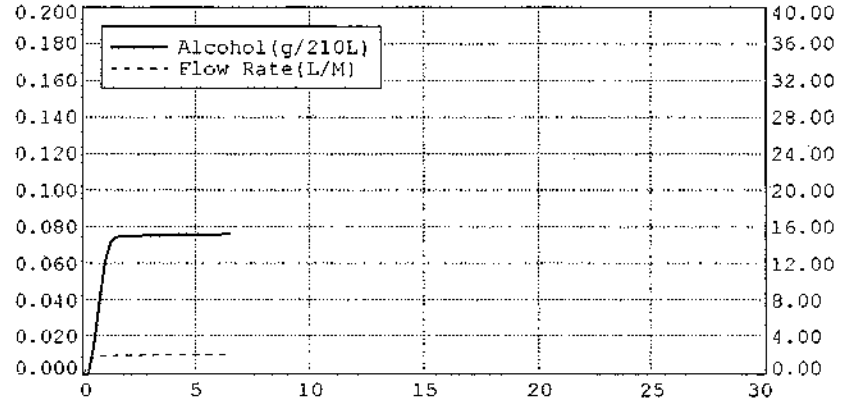
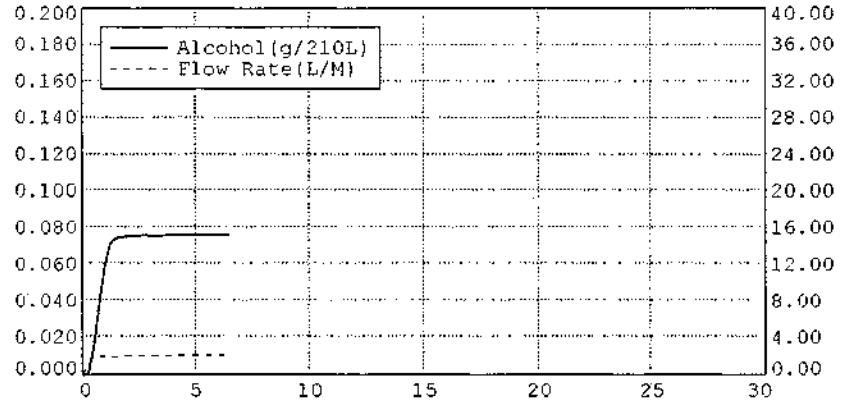
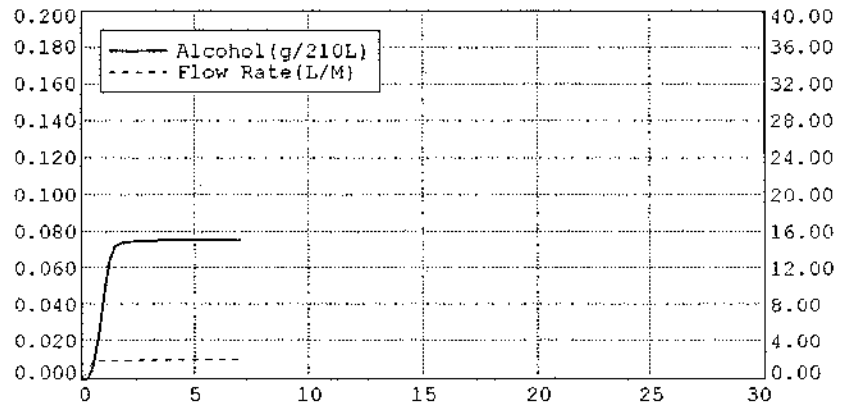
Date: 10/28/2015  
 Time: 12:49:03

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
 TARGET AT 29.05: 0.078  
 LOT #: 01315080A2  
 EXPIRATION: 02/05/2017  
 TANK PRESSURE: 204 psi

|                   |          |       |
|-------------------|----------|-------|
| BLANK TEST        | 0.000    | 12:50 |
| INTERNAL STANDARD | VERIFIED | 12:50 |
| EXTERNAL STANDARD | 0.077    | 12:50 |
| BLANK TEST        | 0.000    | 12:51 |
| EXTERNAL STANDARD | 0.077    | 12:51 |
| BLANK TEST        | 0.000    | 12:52 |
| EXTERNAL STANDARD | 0.077    | 12:52 |
| BLANK TEST        | 0.000    | 12:53 |
| EXTERNAL STANDARD | 0.077    | 12:53 |
| BLANK TEST        | 0.000    | 12:54 |
| EXTERNAL STANDARD | 0.076    | 12:54 |
| BLANK TEST        | 0.000    | 12:55 |

Average = 0.0768  
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 4

Alaska Department of Public Safety  
 DATAMASTER dmt: 100689

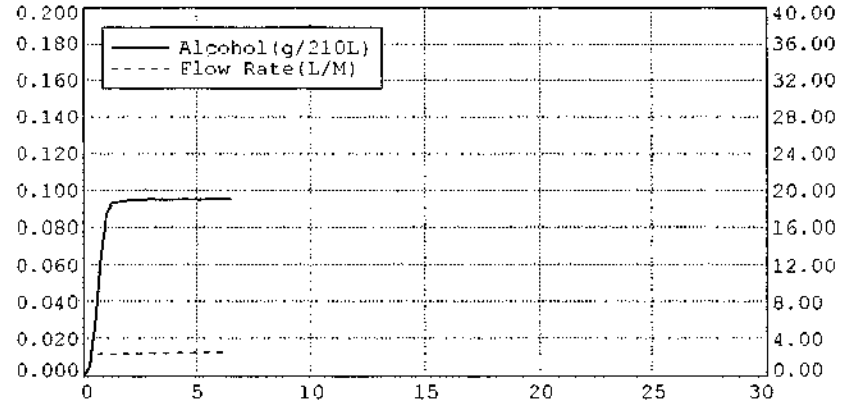
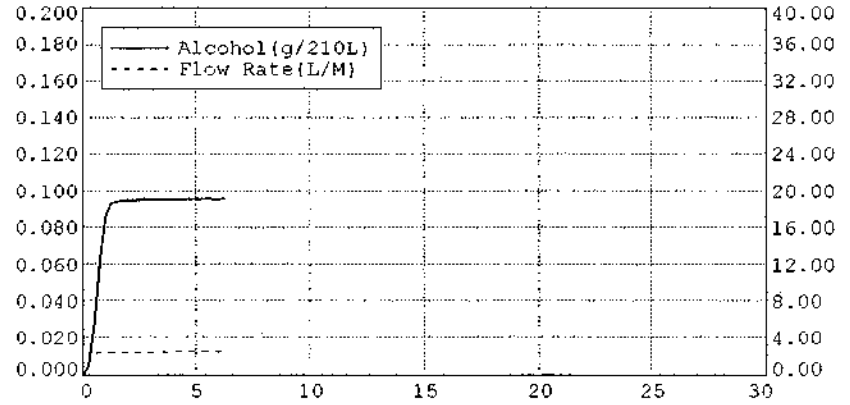
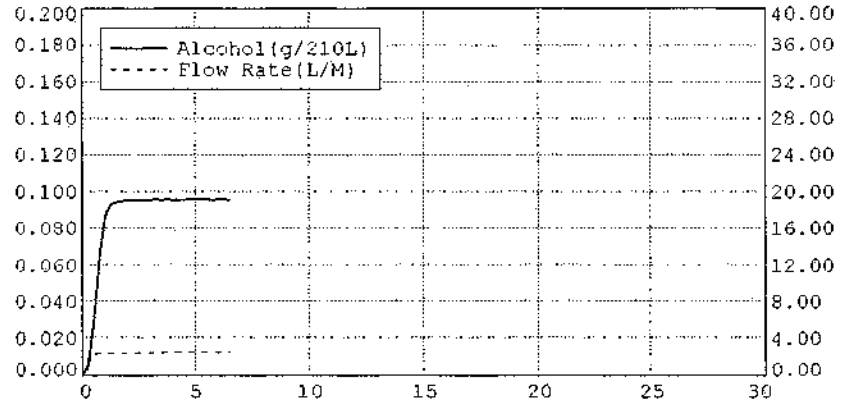
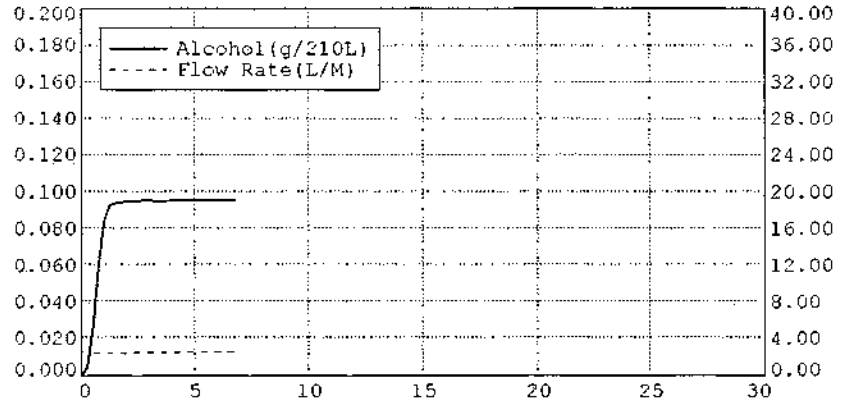
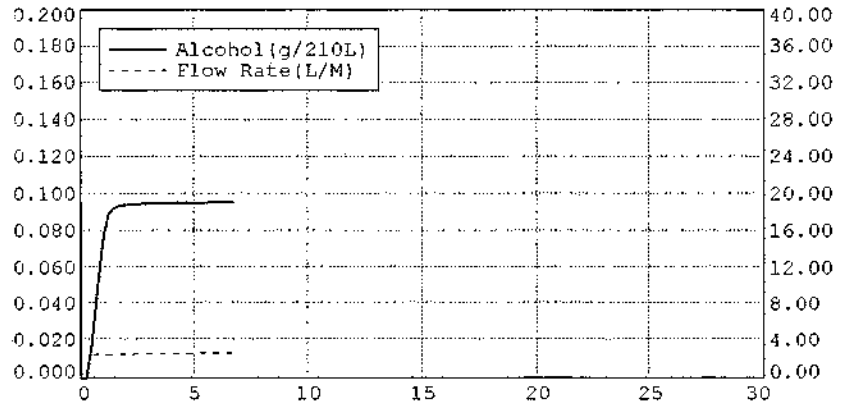
Date: 10/28/2015  
 Time: 12:57:33

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100  
 TARGET AT 29.06: 0.097  
 LOT #: 02915100A1  
 EXPIRATION: 03/05/2017  
 TANK PRESSURE: 870 psi

|                   |          |       |
|-------------------|----------|-------|
| BLANK TEST        | 0.000    | 12:58 |
| INTERNAL STANDARD | VERIFIED | 12:58 |
| EXTERNAL STANDARD | 0.096    | 12:59 |
| BLANK TEST        | 0.000    | 12:59 |
| EXTERNAL STANDARD | 0.096    | 13:00 |
| BLANK TEST        | 0.000    | 13:01 |
| EXTERNAL STANDARD | 0.097    | 13:01 |
| BLANK TEST        | 0.000    | 13:02 |
| EXTERNAL STANDARD | 0.096    | 13:02 |
| BLANK TEST        | 0.000    | 13:03 |
| EXTERNAL STANDARD | 0.096    | 13:03 |
| BLANK TEST        | 0.000    | 13:04 |

Average = 0.0962  
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 5

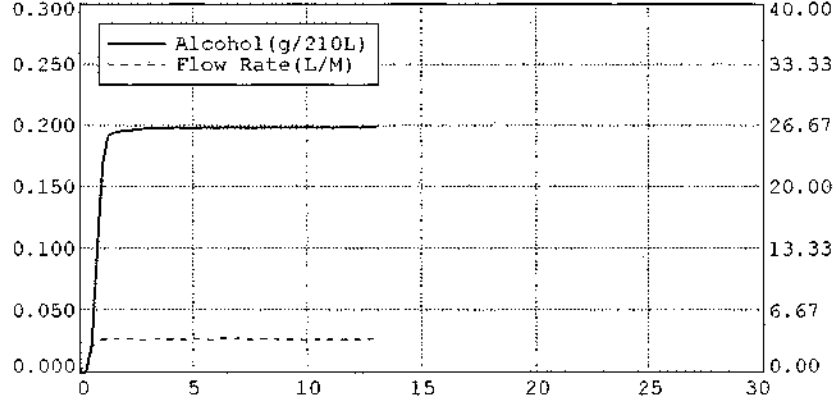
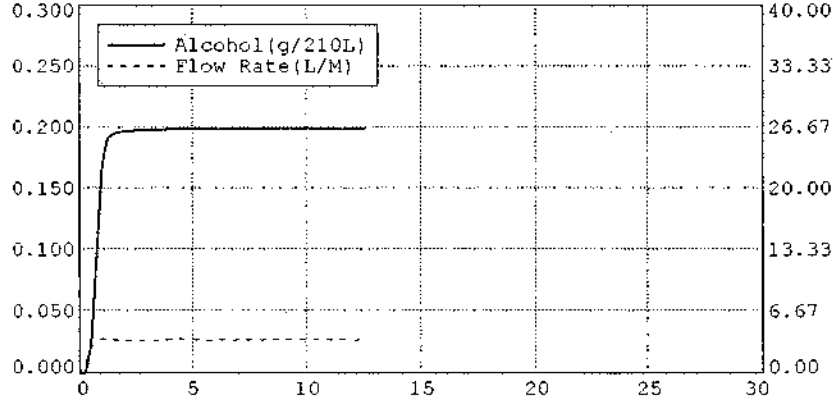
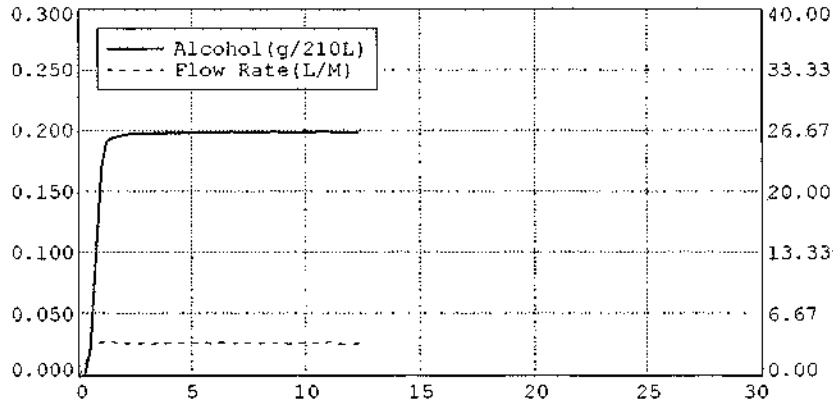
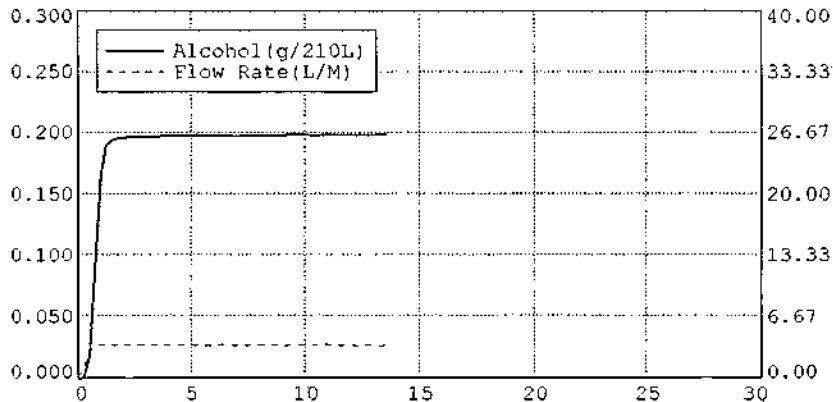
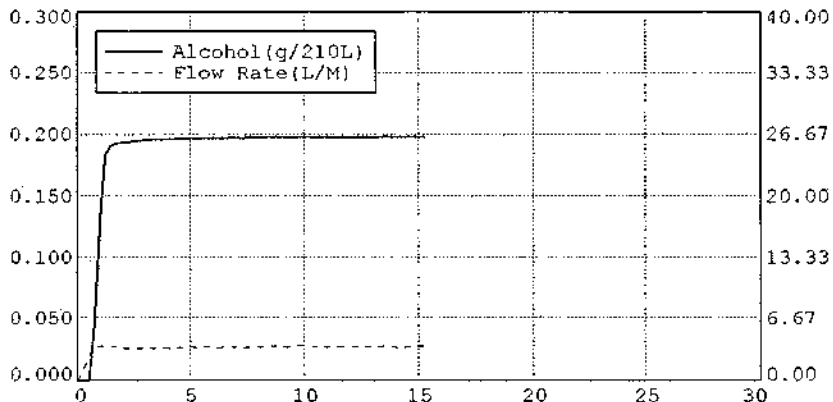
Alaska Department of Public Safety  
 DATAMASTER dmt: 100689

Date: 10/28/2015  
 Time: 13:04:48

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.200  
 LOT #: 15130  
 EXPIRATION: 05/11/2017

|                   |          |       |
|-------------------|----------|-------|
| BLANK TEST        | 0.000    | 13:06 |
| INTERNAL STANDARD | VERIFIED | 13:06 |
| EXTERNAL STANDARD | 0.198    | 13:06 |
| BLANK TEST        | 0.000    | 13:07 |
| EXTERNAL STANDARD | 0.198    | 13:07 |
| BLANK TEST        | 0.000    | 13:08 |
| EXTERNAL STANDARD | 0.199    | 13:09 |
| BLANK TEST        | 0.000    | 13:10 |
| EXTERNAL STANDARD | 0.199    | 13:10 |
| BLANK TEST        | 0.000    | 13:11 |
| EXTERNAL STANDARD | 0.199    | 13:11 |
| BLANK TEST        | 0.000    | 13:12 |

Average = 0.1986  
 Std Dev = 0.0005



LINEARITY CHECK: Control Test 6

Alaska Department of Public Safety  
 DATAMASTER dmt: 100689

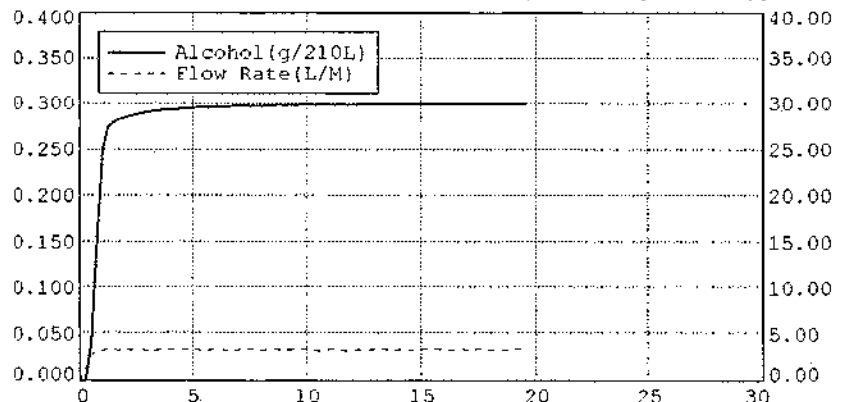
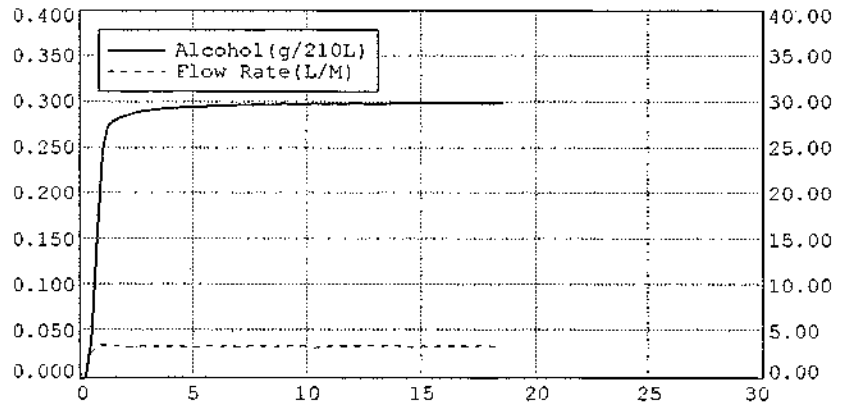
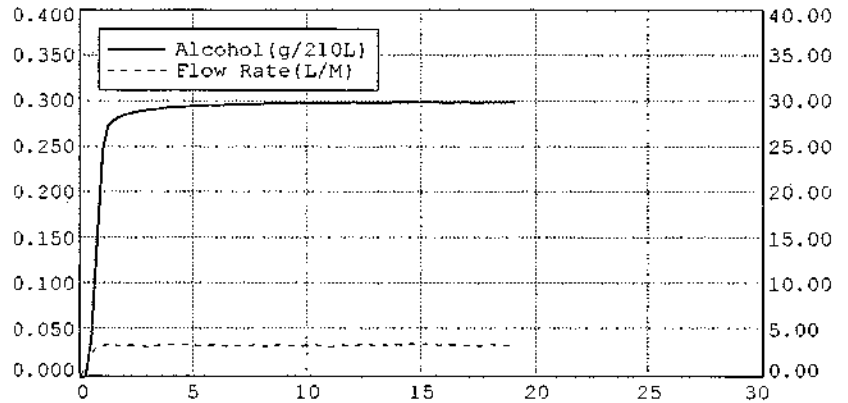
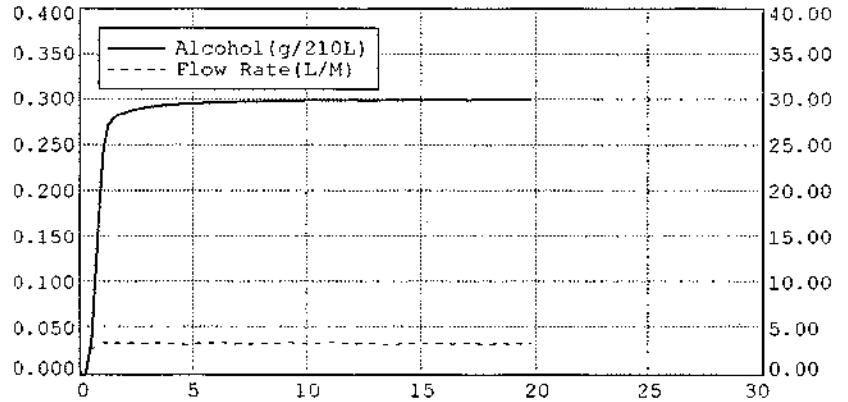
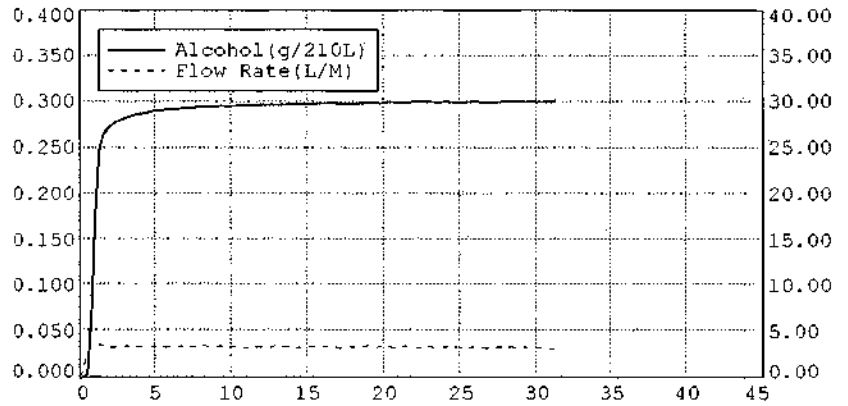
Date: 10/28/2015  
 Time: 13:16:31

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300  
 LOT #: 14270  
 EXPIRATION: 12/02/2016

|                   |          |       |
|-------------------|----------|-------|
| BLANK TEST        | 0.000    | 13:17 |
| INTERNAL STANDARD | VERIFIED | 13:17 |
| EXTERNAL STANDARD | 0.300    | 13:18 |
| BLANK TEST        | 0.000    | 13:19 |
| EXTERNAL STANDARD | 0.300    | 13:19 |
| BLANK TEST        | 0.000    | 13:20 |
| EXTERNAL STANDARD | 0.299    | 13:21 |
| BLANK TEST        | 0.000    | 13:21 |
| EXTERNAL STANDARD | 0.299    | 13:22 |
| BLANK TEST        | 0.000    | 13:23 |
| EXTERNAL STANDARD | 0.300    | 13:23 |
| BLANK TEST        | 0.000    | 13:24 |

Average = 0.2996  
 Std Dev = 0.0005



SUBJECT TEST

Alaska Department of Public Safety

DATA MASTER dmt: 100689

Date: 10/28/2015

Time: 13:28:01

SUBJECT NAME:

TEST TEST

LICENSE #: INCOMPLETE

OPERATOR NAME:

COLLEEN S O'BRYAN

OPERATOR'S #: 6237

DEPT/AGENCY:

AAA1

CASE/REPORT: 15-1234

TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.06: 0.078

LOT #: 01315080A2

EXPIRATION: 02/05/2017

DIAGNOSTIC CHECK

PASSED 13:40

BLANK TEST

0.000

INTERNAL STANDARD

VERIFIED 13:40

EXTERNAL STANDARD

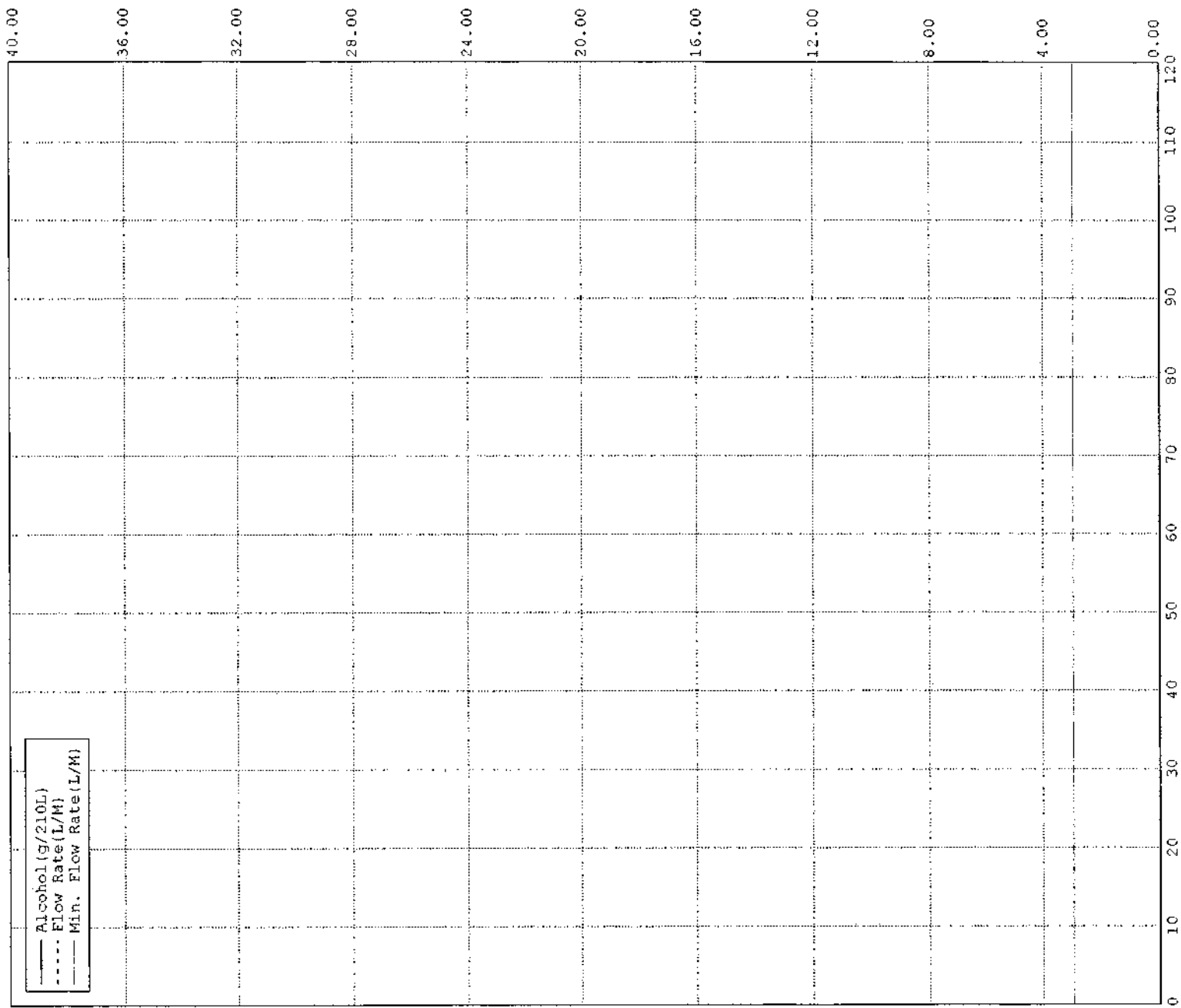
0.077

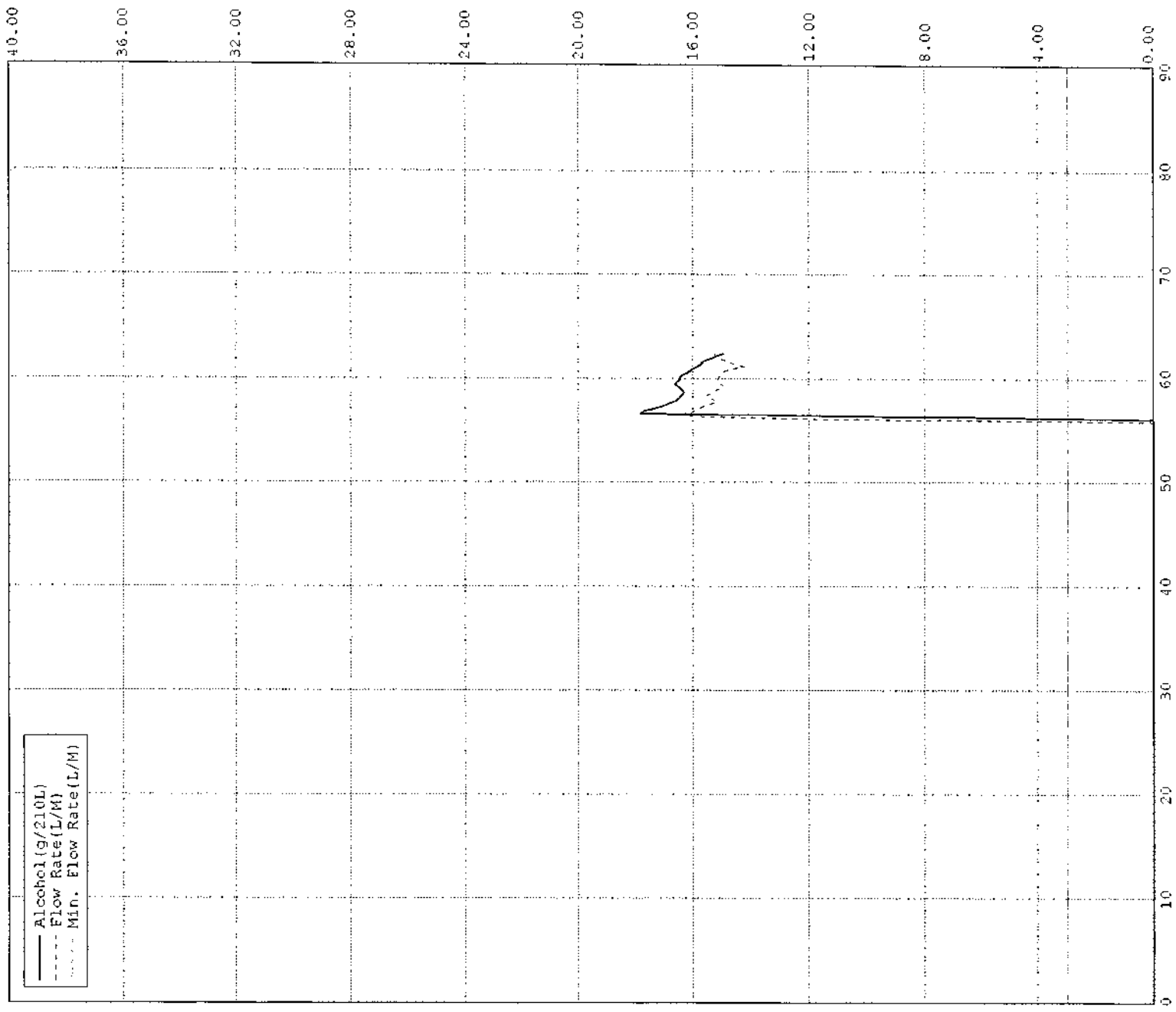
BLANK TEST

0.000

SUBJECT SAMPLE

INCOMPLETE 13:43





SUBJECT TEST

-----  
 Alaska Department of Public Safety  
 DATAMASTER dmt: 100689  
 -----  
 Date: 11/02/2015  
 Time: 11:43:42

SUBJECT NAME:  
 TEST TEST  
 LICENSE #: INVALID

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

DEPT/AGENCY:  
 AAA1

CASE/REPORT: 15-1234  
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.080  
 TARGET AT 29.77: 0.080  
 LOT #: 01315080A2  
 EXPIRATION: 02/05/2017

|                   |          |       |
|-------------------|----------|-------|
| DIAGNOSTIC CHECK  | PASSED   | 11:44 |
| BLANK TEST        | 0.000    | 11:45 |
| INTERNAL STANDARD | VERIFIED | 11:45 |
| EXTERNAL STANDARD | 0.079    | 11:45 |
| BLANK TEST        | 0.000    | 11:46 |
| SUBJECT SAMPLE    | INVALID  | 11:47 |

*CB*

SUBJECT TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100689

Date: 11/02/2015  
Time: 11:59:13

SUBJECT NAME:  
TEST TEST  
LICENSE #: INT-ACETONE

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

DEPT/AGENCY:  
AAA1

CASE/REPORT: 15-1234  
TEST TYPE: TEST

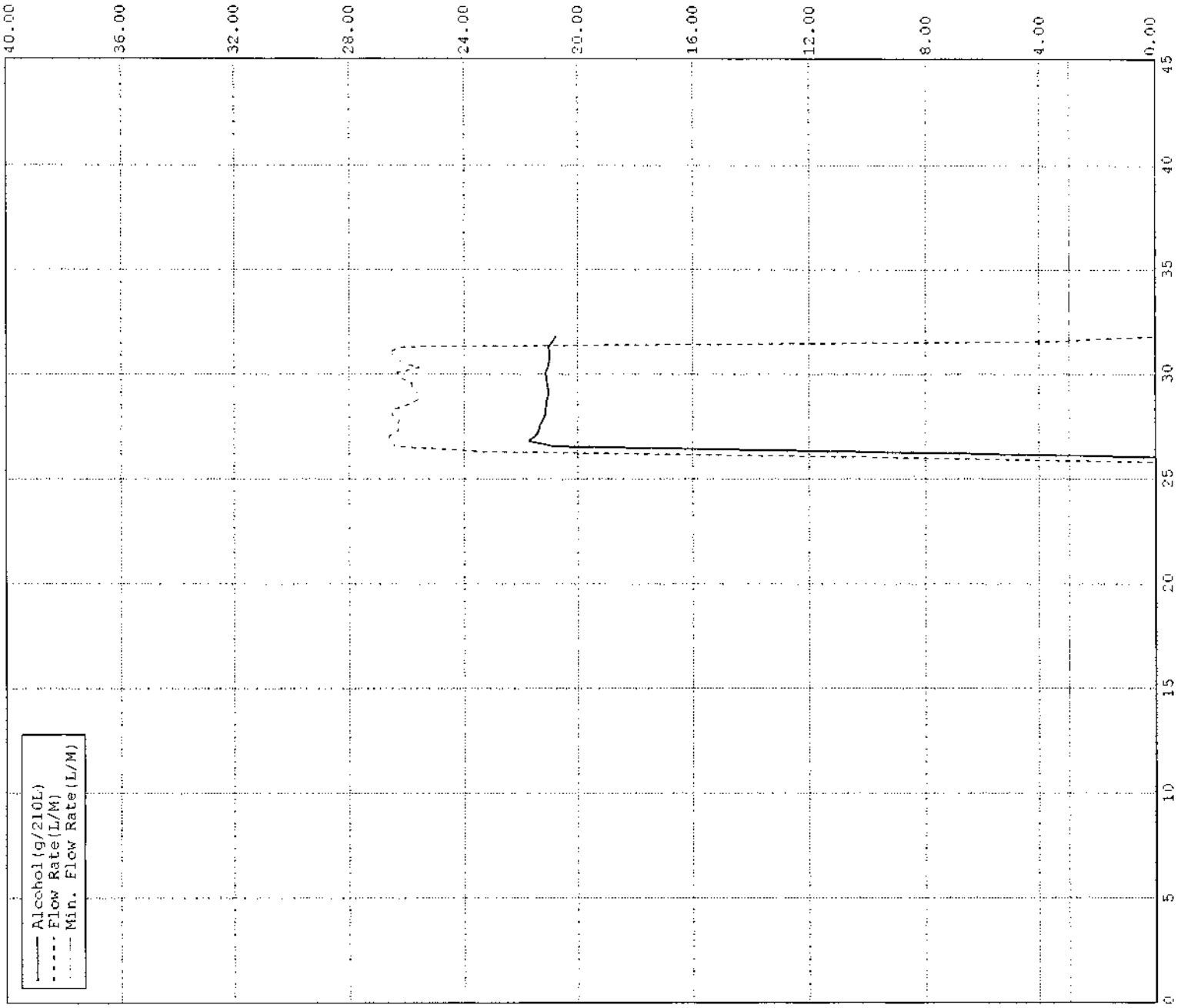
EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.77: 0.080  
LOT #: 01315080A2  
EXPIRATION: 02/05/2017

|                                  |          |       |
|----------------------------------|----------|-------|
| DIAGNOSTIC CHECK                 | PASSED   | 12:01 |
| BLANK TEST                       | 0.000    | 12:01 |
| INTERNAL STANDARD                | VERIFIED | 12:01 |
| Xq = 0.105 (0.08%)               |          |       |
| EXTERNAL STANDARD                | 0.078    | 12:01 |
| X[1] = 0.0783 (0.0004) (0.0026)  |          |       |
| BLANK TEST                       | 0.000    | 12:02 |
| SUBJECT SAMPLE                   | XXX      | 12:03 |
| X[1] = 0.1039 (-0.0163) (0.0007) |          |       |

Interference Detected

*CS*



SUBJECT TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100689

Date: 11/02/2015  
Time: 12:05:49

SUBJECT NAME:  
TEST TEST  
LICENSE #: INT-IPA

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

DEPT/AGENCY:

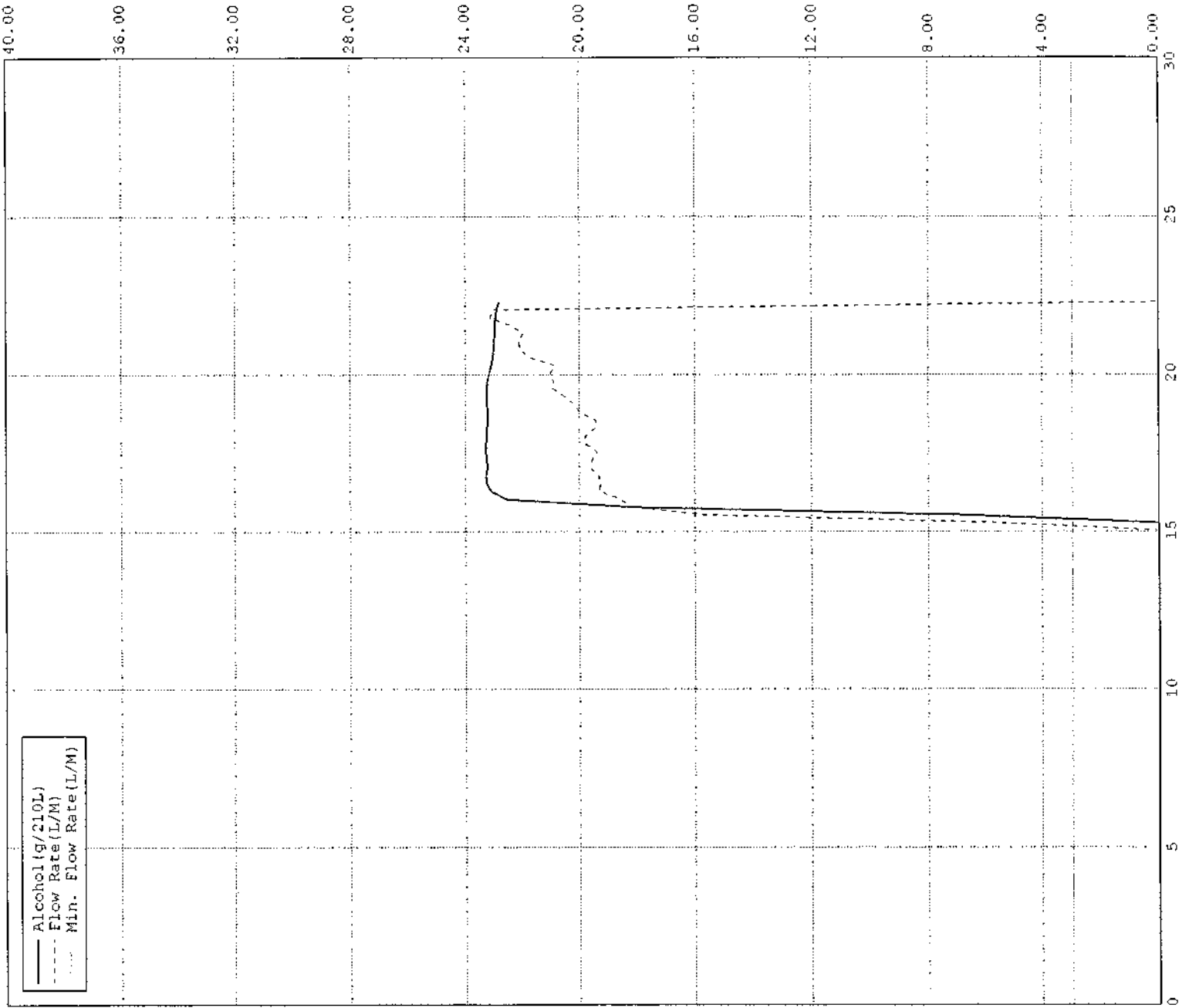
AAA1  
CASE/REPORT: 15-1234  
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.77: 0.080  
LOT #: 01315080A2  
EXPIRATION: 02/05/2017

|                                  |          |       |
|----------------------------------|----------|-------|
| DIAGNOSTIC CHECK                 | PASSED   | 12:07 |
| BLANK TEST                       | 0.000    | 12:07 |
| INTERNAL STANDARD                | VERIFIED | 12:07 |
| Xq = 0.105 (0.25%)               |          |       |
| EXTERNAL STANDARD                | 0.078    | 12:08 |
| X[1] = 0.0782 (-0.0001) (0.0027) |          |       |
| BLANK TEST                       | 0.000    | 12:09 |
| SUBJECT SAMPLE                   | XXX      | 12:09 |
| X[1] = 0.1138 (-0.0266) (0.0007) |          |       |

Interference Detected





SUBJECT TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100689

Date: 11/02/2015  
Time: 12:13:08

SUBJECT NAME:  
TEST TEST  
LICENSE #: INT-NEG

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

DEPT/AGENCY:  
AAA1

CASE/REPORT: 15-1234  
TEST TYPE: TEST

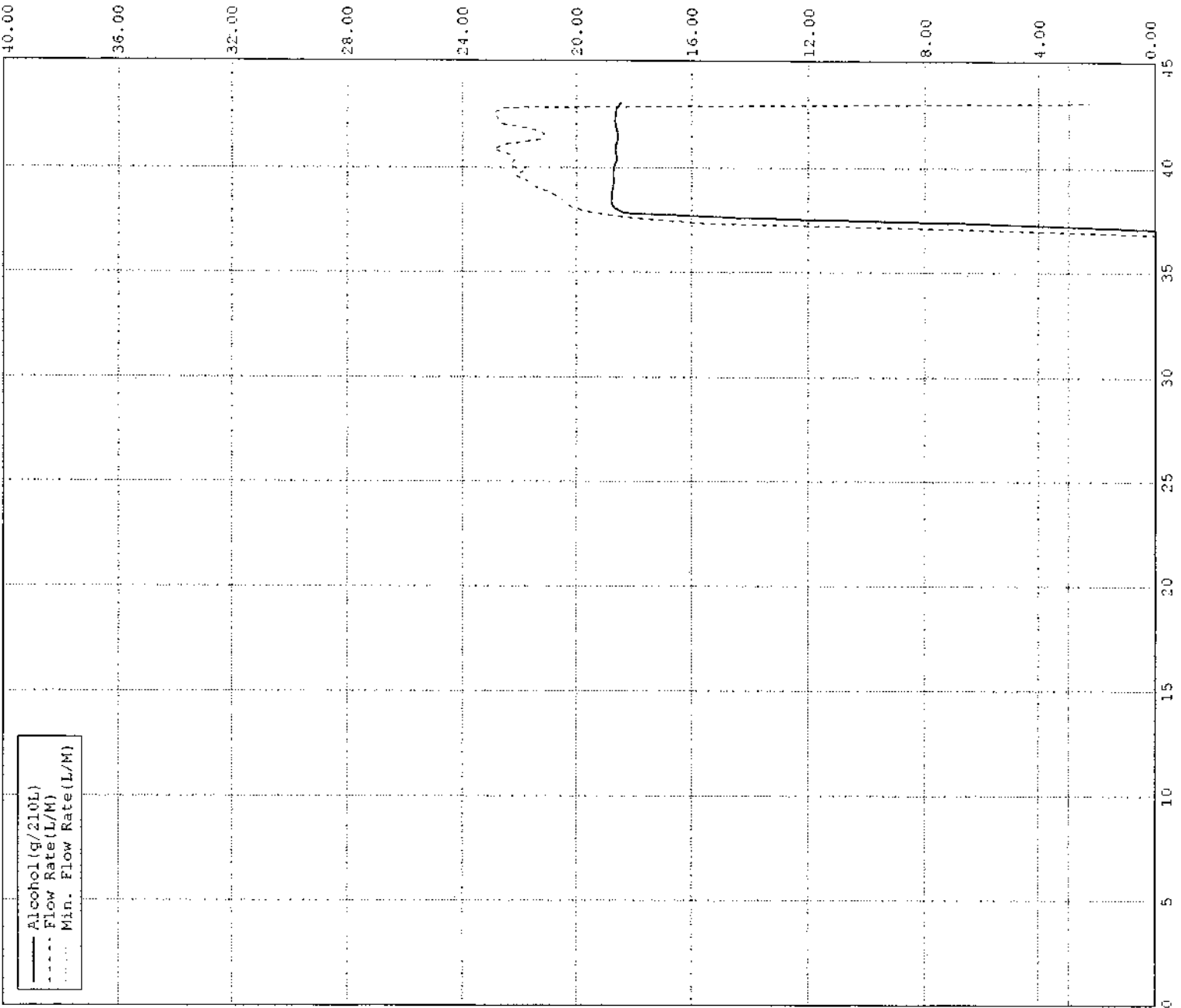
EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.77: 0.080  
LOT #: 01315080A2  
EXPIRATION: 02/05/2017

|                                  |          |       |
|----------------------------------|----------|-------|
| DIAGNOSTIC CHECK                 | PASSED   | 12:14 |
| BLANK TEST                       | 0.000    | 12:14 |
| INTERNAL STANDARD                | VERIFIED | 12:14 |
| Xq = 0.105 (0.33%)               |          |       |
| EXTERNAL STANDARD                | 0.078    | 12:14 |
| X[1] = 0.0780 (-0.0003) (0.0028) |          |       |
| BLANK TEST                       | 0.000    | 12:15 |
| SUBJECT SAMPLE (Vol=2.07L)       | 0.092    | 12:16 |
| X[1] = 0.0922 (-0.0002) (0.0000) |          |       |
| BLANK TEST                       | 0.000    | 12:17 |
| EXTERNAL STANDARD                | 0.078    | 12:17 |
| X[1] = 0.0783 (0.0002) (0.0026)  |          |       |
| BLANK TEST                       | 0.000    | 12:18 |

*Filter 2 avg = 0.0001*

*Filter 3 avg = 0.0007*



SUBJECT TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100689

Date: 11/02/2015  
Time: 12:21:37

SUBJECT NAME:  
TEST TEST  
LICENSE #: MAX ATTEMPTS

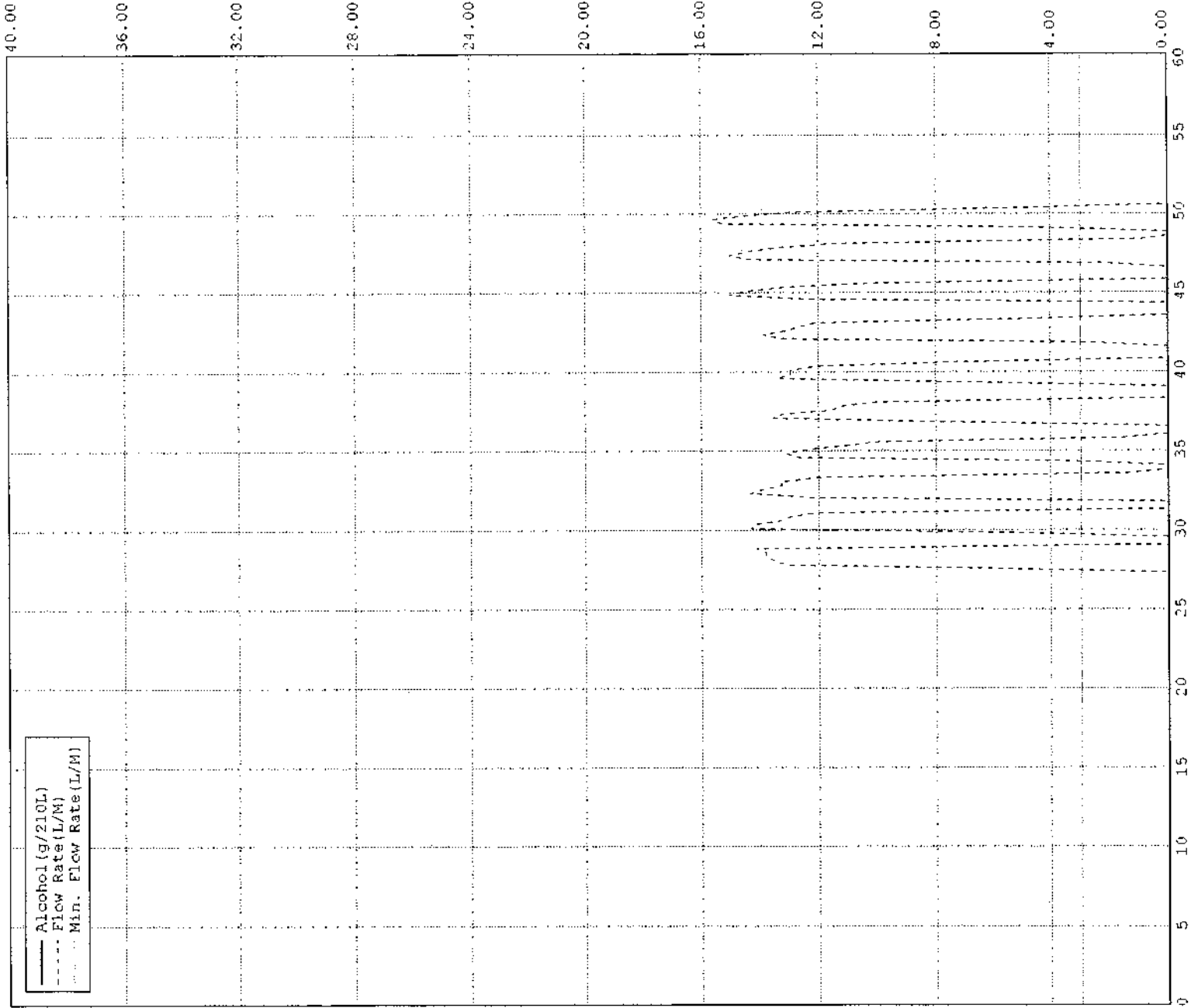
OPERATOR NAME:  
COLLEEN S OBRyant  
OPERATOR'S #: 6237

DEPT/AGENCY:  
AAA1  
CASE/REPORT: 15-1234  
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.080  
TARGET AT 29.77: 0.080  
LOT #: 01315080A2  
EXPIRATION: 02/05/2017

|                   |          |       |
|-------------------|----------|-------|
| DIAGNOSTIC CHECK  | PASSED   | 12:22 |
| BLANK TEST        | 0.000    | 12:22 |
| INTERNAL STANDARD | VERIFIED | 12:22 |
| EXTERNAL STANDARD | 0.078    | 12:23 |
| BLANK TEST        | 0.000    | 12:24 |
| SUBJECT SAMPLE    | XXX      | 12:25 |

Maximum Attempts Exceeded



SUBJECT TEST

Alaska Department of Public Safety  
DATAMASTER cmt: 100689

Date: 11/02/2015  
Time: 12:27:18

SUBJECT NAME:  
TEST TEST  
LICENSE #: RFI

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

DEPT/AGENCY:  
AAA1

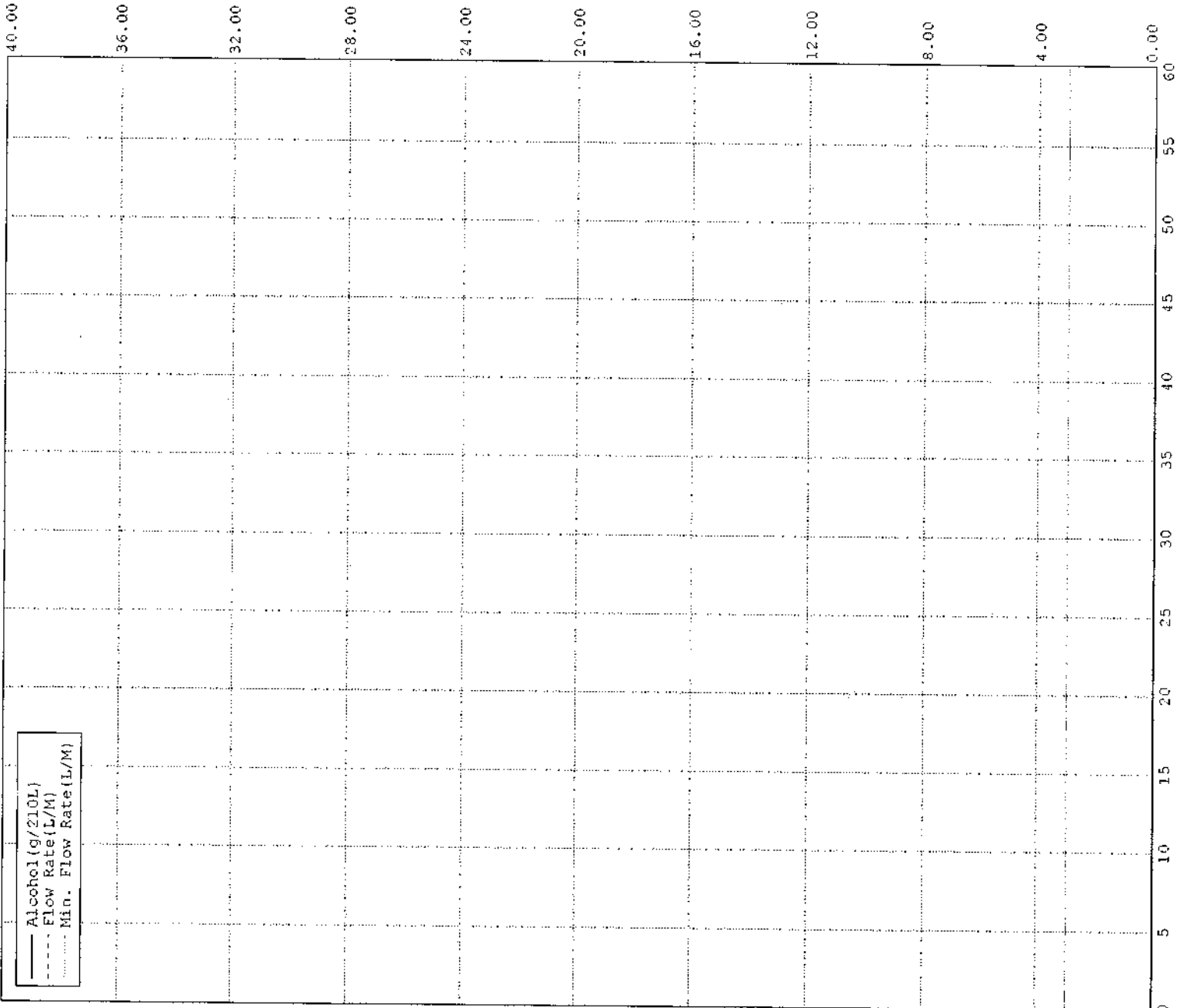
CASE/REPORT: 15-1234  
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.77: 0.080  
LOT #: 01315080A2  
EXPIRATION: 02/05/2017

DIAGNOSTIC CHECK PASSED 12:31  
BLANK TEST 0.000 12:31  
INTERNAL STANDARD VERIFIED 12:31  
EXTERNAL STANDARD 0.079 12:32  
BLANK TEST 0.000 12:33

RFI DETECTED



SUBJECT TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100689

Date: 11/02/2015  
Time: 13:51:14

SUBJECT NAME:  
TEST TEST  
LICENSE #: NONDRINKING

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

DEPT/AGENCY:  
AAA1

CASE/REPORT: 15-1234  
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.75: 0.080  
LOT #: 01315080A2  
EXPIRATION: 02/05/2017

|                            |          |       |
|----------------------------|----------|-------|
| DIAGNOSTIC CHECK           | PASSED   | 13:52 |
| BLANK TEST                 | 0.000    | 13:52 |
| INTERNAL STANDARD          | VERIFIED | 13:52 |
| EXTERNAL STANDARD          | 0.078    | 13:52 |
| BLANK TEST                 | 0.000    | 13:53 |
| SUBJECT SAMPLE (Vol=2.14L) | 0.000    | 13:54 |
| BLANK TEST                 | 0.000    | 13:55 |
| EXTERNAL STANDARD          | 0.079    | 13:55 |
| BLANK TEST                 | 0.000    | 13:56 |

*CSB*

