

STATE OF VERMONT  
DEPARTMENT OF PUBLIC SAFETY  
VERMONT FORENSIC LABORATORY

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INTEROFFICE MEMORANDUM

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**TO:** VINCENT ILLUZZI, STATE'S ATTORNEY  
**FROM:** AMANDA BOLDUC  
**SUBJECT:** DATAMASTER DMT 122306, ESSEX COUNTY SHERIFF'S OFFICE  
**DATE:** 12/6/2012  
**CC:** GREG NAGURNEY, TRISHA CONTI

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DATAMASTER DMT 122306

An error was made by Gilbert Rainault during the Routine Performance Check completed 11/11/2012 on DataMaster DMT 122306 for the Essex County Sheriff's Office. The target concentration for Lot 12-70-100 was mistakenly entered as 0.105 with an acceptance range of 0.100 – 0.110. The certified concentration of that Lot is 0.100 with an acceptance range of 0.095 – 0.105. This mistake was rectified on 11/17/2012 when a Solution Change protocol was performed and the correct lot number and target concentration were entered. On 11/17/2012, prior to the correction, Deputy Trevor Colby processed a subject for DUI (Case # [REDACTED], time of test 06:02:16) using this DataMaster. The first test reported a simulator result of 0.100 which was passing. The subject then requested a second test and the simulator result was 0.099. This result is within the acceptable range for that particular lot of solution. However, due to an incorrect target concentration having been entered into the DMT, the instrument failed the result and reported Simulator Out of Range. The Deputy attempted the test again (time of test 06:13:53), but the instrument reported Filter Wheel Error. A subsequent test at 06:19:44 hours reported a passing simulator result of 0.100 but due to an erratic blowing pattern by the subject, an Invalid sample result was reported. A final test at 06:54:41 hours was attempted at which point the simulator result was again flagged as out of range (0.099). The Deputy made the decision to move the subject to another agency to complete the DUI processing. This was the only subject testing performed on this unit from the time the incorrect target value was entered and the time in which it was corrected.

# ROUTINE PERFORMANCE CHECK REPORT



DataMaster DMT: 122306  
Location: Essex County So  
Calibration Date: 08/30/2011  
Certification Date: 08/30/2011  
Installation Date: 06/26/2012  
RPC Date: 11/11/2012  
Supervisor Name: GILBERT G RAINAULT

## Diagnostic Results

### VERSIONS

DMT: 1.01  
PIC: 2.05  
Modem: 2.4  
Questions: 2.1

### TEMPERATURES

Sample Chamber = 48.6°C  
Breath Tube = 48.1°C  
Digital Sim = 33.9°C

### SETTINGS

Lamp Voltage = 1.68 V  
Cooler Voltage = 1.72 V  
Bias Voltage = 80 V  
Chopper Freq = 553 Hz

### PUMP INFO

Flow Rate = 4.417 L/M

### DETECTOR INFO

PUMP	ON	OFF
MAX (V)	0.1874	0.1894
MIN (V)	0.1856	0.1876

### FILTER INFO

Filter 1	0.188	Zero = true
Filter 2	0.485	Zero = true
Filter 3	0.924	Zero = true

### CALIBRATION CHECK

Xq = 0.098 0.18%

## Accuracy and Precision Check

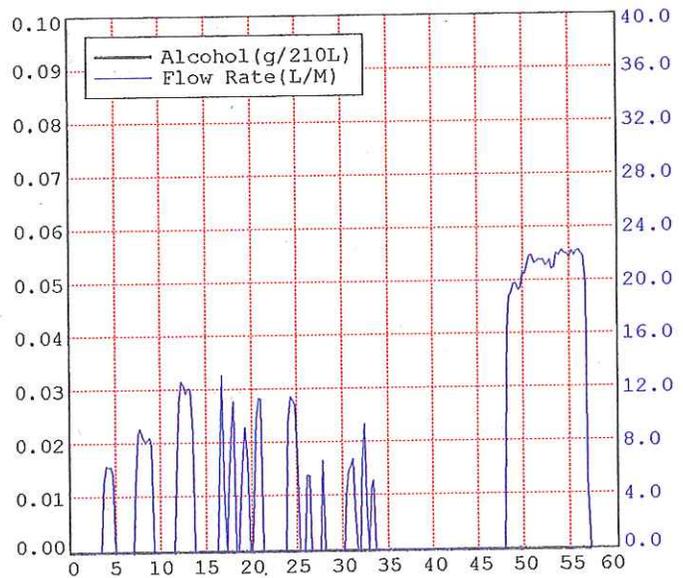
Concentration = 0.105 g/210L  
Lot # = 12-70-100  
Range = 0.100 - 0.110  
Average = 0.100 g/210L  
Std Dev = 0.0000

## RF Detection Test

Passed

## Sample Acceptance Test

Passed



Routine Performance Check Passed

Performed by

*Gilbert G Rainault*

Date

11/11/2012

Reviewed by

Date

## SOLUTION CHANGE

DataMaster DMT: 122306  
Location: Essex County So  
Date: 11/17/2012  
Performed by: GILBERT G RAINAULT



### Accuracy and Precision Check

Concentration = 0.100 g/210L  
Lot # = 12-70-100  
Range = 0.095 - 0.105  
Average = 0.099 g/210L  
Std Dev = 0.0010

Simulator Temperature: 33.9°C

Performed by

*Gilbert Rainault*

Date

11/19/2012



DUI SUBJECT TEST

STATE OF VERMONT

DataMater DMT: 122306  
Location: Essex County So  
Certification Date: 08/30/2011  
Installation Date: 06/26/2012

Date: 11/17/2012  
Time: 06:02:16

SUBJECT NAME:

DOB: AGE: 26  
GENDER: M  
LICENSE #:

CASE #:  
TIME OF OPERATION: 03:37  
LOCATION OF INCIDENT:  
BOBBIN MILL RD  
TOWN: LUNENBURG  
COUNTY: ESSEX

TEST OPERATOR NAME:  
TREVOR L COLBY  
AGENCY: ESSEX COUNTY SO

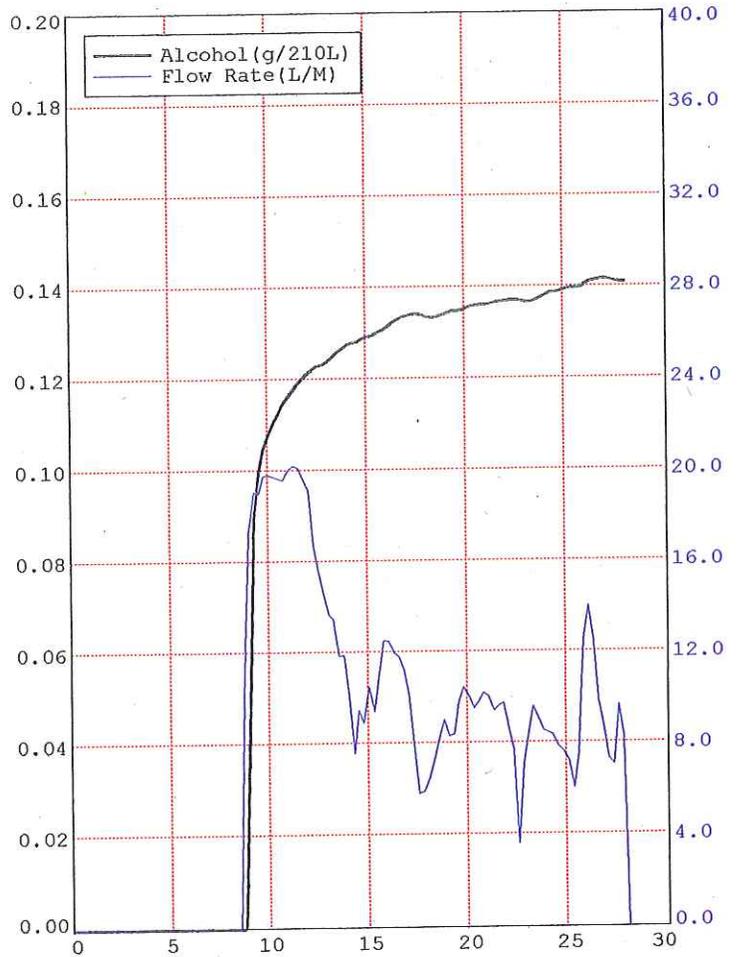
Obs. Period Start: 05:47

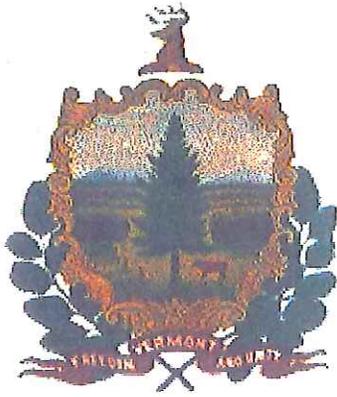
BLANK TEST	0.000	06:03
CALIBRATION CHECK	PASSED	06:03
SIMULATOR VAPOR 33.9°C	0.100	06:03
BLANK TEST	0.000	06:04
SUBJECT SAMPLE (Vol=3.7L)	0.140	06:05

BLANK TEST	0.000	06:06
CALIBRATION CHECK	PASSED	06:06
SIMULATOR VAPOR 33.9°C	0.099	06:06

Simulator Out of Range

All alcohol values reported in g/210L  
Sim. Vapor Concentration 0.105  
Sim. Vapor Range 0.100 - 0.110  
Lot #: 12-70-100





DUI SUBJECT TEST

STATE OF VERMONT

DataMater DMT: 122306  
Location: Essex County So  
Certification Date: 08/30/2011  
Installation Date: 06/26/2012

Date: 11/17/2012  
Time: 06:13:53

SUBJECT NAME:

DOB: [REDACTED] AGE: 26  
GENDER: M  
LICENSE #: [REDACTED]

CASE #: [REDACTED]  
TIME OF OPERATION: 03:37  
LOCATION OF INCIDENT:  
BOBBIN MILL RD  
TOWN: LUNENBURG  
COUNTY: ESSEX

TEST OPERATOR NAME:  
TREVOR L COLBY  
AGENCY: ESSEX COUNTY SO

Obs. Period Start: 05:47

Filter Wheel Error



DUI SUBJECT TEST

STATE OF VERMONT

DataMater DMT: 122306  
Location: Essex County So  
Certification Date: 08/30/2011  
Installation Date: 06/26/2012

Date: 11/17/2012  
Time: 06:19:44

SUBJECT NAME:

DOB: [REDACTED] AGE: 26  
GENDER: M  
LICENSE #: [REDACTED]

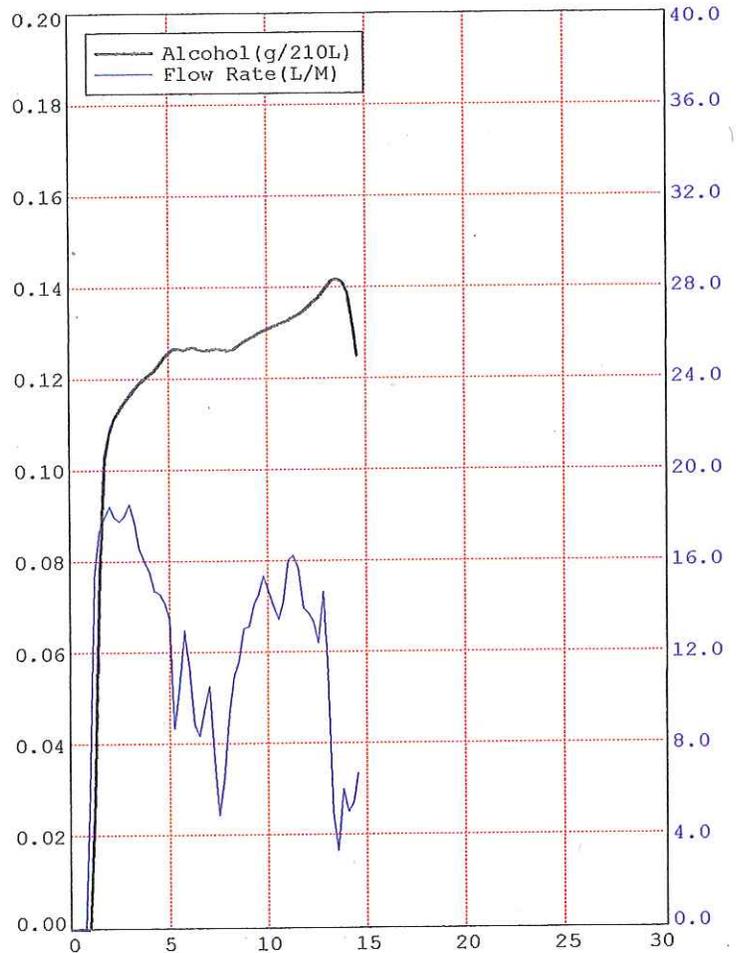
CASE #: [REDACTED]  
TIME OF OPERATION: 03:37  
LOCATION OF INCIDENT:  
BOBBIN MILL RD  
TOWN: LUNENBURG  
COUNTY: ESSEX

TEST OPERATOR NAME:  
TREVOR L COLBY  
AGENCY: ESSEX COUNTY SO

Obs. Period Start: 05:47

BLANK TEST	0.000	06:20
CALIBRATION CHECK	PASSED	06:20
SIMULATOR VAPOR 33.9°C	0.100	06:21
BLANK TEST	0.000	06:21
SUBJECT SAMPLE	INVALID	06:22

All alcohol values reported in g/210L  
Sim. Vapor Concentration 0.105  
Sim. Vapor Range 0.100 - 0.110  
Lot #: 12-70-100





DUI SUBJECT TEST

STATE OF VERMONT

DataMater DMT: 122306  
Location: Essex County So  
Certification Date: 08/30/2011  
Installation Date: 06/26/2012

Date: 11/17/2012  
Time: 06:54:41

SUBJECT NAME:

DOB: [REDACTED] AGE: 27  
GENDER: M  
LICENSE #: [REDACTED]

CASE #: [REDACTED]  
TIME OF OPERATION: 03:37  
LOCATION OF INCIDENT:  
BOBBIN MILL RD  
TOWN: LUNENBURG  
COUNTY: ESSEX

TEST OPERATOR NAME:  
TREVOR L COLBY  
AGENCY: ESSEX COUNTY SO

Obs. Period Start: 06:39

BLANK TEST	0.000	06:55
CALIBRATION CHECK	PASSED	06:55
SIMULATOR VAPOR 33.9°C	0.099	06:56

Simulator Out of Range

All alcohol values reported in g/210L  
Sim. Vapor Concentration 0.105  
Sim. Vapor Range 0.100 - 0.110  
Lot #: 12-70-100