VERMONT FORENSIC LABORATORY

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DATAMASTER TECHNICAL SUPPORT INQUIRY

Agency/Site: Essex CSO **DataMaster Serial #:** 122306

Date: 6/22 /12 Requestor:

Instrument Supervisor: Phone #:

Taken By: A. Bolduc

Problem: Multiple filter wheel errors

Laboratory Response: Sheriff is delivering unit to VFL for repair

Work Performed: 6/22/12- found stepper to not be making good contact with the filter wheel. Adjusted the stepper and tested, filter wheel moved appropriately. During subsequent testing, the 5-way valve stuck. The valve was not moving smoothly so it was replaced. The rubber coating on the BNC cable was frayed so it was replaced with electrical tape. It was also noted that since the solution change during the RPC in February, the instrument had not been used however the solution had depleted significantly. The simulator was checked and found to have an improperly sized O-ring. The O-ring was replaced and a pressure check was done, the pressure on the simulator was very good.

The software was updated and a new lock attached. Unit ready to be reinstalled. ALB

☐ On Site ☒ In-house Attachments: 8 pages

Performed By: A Bolduc Date: 6/22/12

Final Review: L L Gas Date: 6/25/2012

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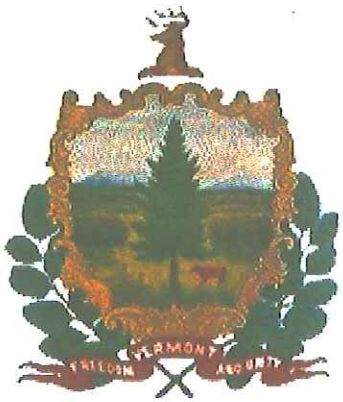


DUI SUBJECT TEST

STATE OF VERMONT

DataMater DMT: 122306
Location: Essex County So
Certification Date: 08/30/2011
Installation Date: 09/09/2011

Date: 06/15/2012
Time: 22:21:51

SUBJECT NAME:
PRISCILLA P SPENCER
DOB: 08/30/1957 AGE: 54
GENDER: F
LICENSE #: 90533045 VT

CASE #: 12EXC0155
TIME OF OPERATION: 20:55
LOCATION OF INCIDENT:
RT 2
TOWN: CONCORD
COUNTY: ESSEX

TEST OPERATOR NAME:
GILBERT G RAINAULT
AGENCY: ESSEX COUNTY SO

Obs. Period Start: 22:06

Filter Wheel Error

All alcohol values reported in g/210L
Sim. Vapor Concentration 0.100
Sim. Vapor Range 0.095 - 0.105
Lot #: 12-32-100

DUI SUBJECT TEST

STATE OF VERMONT

DataMater DMT: 122306
Location: Essex County So
Certification Date: 08/30/2011
Installation Date: 09/09/2011

Date: 06/15/2012
Time: 22:51:29

SUBJECT NAME:
PRISCILLA P SPENCER
DOB: 08/30/1957 AGE: 54
GENDER: F
LICENSE #: 90533045 VT

CASE #: 12EXC0155
TIME OF OPERATION: 20:55
LOCATION OF INCIDENT:
RT 2
TOWN: CONCORD
COUNTY: ESSEX

TEST OPERATOR NAME:
GILBERT G RAINAULT
AGENCY: ESSEX COUNTY SO

Obs. Period Start:		22:36
BLANK TEST	0.000	22:52
CALIBRATION CHECK	PASSED	22:52
SIMULATOR VAPOR 33.8°C	0.076	22:52

Simulator Out of Range

All alcohol values reported in g/210L
Sim. Vapor Concentration 0.100
Sim. Vapor Range 0.095 - 0.105
Lot #: 12-32-100

DIAGNOSTIC RESULT

DataMaster DMT: 122306
Location: Essex County So
Calibration Date: 08/30/2011
Certification Date: 08/30/2011
Installation Date: 09/09/2011
Test Date: 06/15/2012
Test Time: 22:31:44

VERSIONS
DMT: 1.01
PIC: 2.05
Modem: 2.2
Questions: 2.0

TEMPERATURES

Sample Chamber = 49.1°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 = 552 Hz

PUMP INFO
Flow Rate = 4.450 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.2722	0.2730
MIN(V)	0.2705	0.2713

FILTER INFO
Filter 1 0.273 Zero = true
Filter 2 0.566 Zero = true
Filter 3 1.011 Zero = true

CALIBRATION CHECK
Xq = 0.098 0.00%

SOLUTION CHANGE

DataMaster DMT: 122306
Location: Essex County So
Date: 06/15/2012
Performed by: GILBERT G RAINAULT

Accuracy and Precision Check

Concentration	= 0.100 g/210L
Lot #	= 12-58-100
Range	= 0.095 - 0.105
Average	= 0.101 g/210L
Std Dev	= 0.0000

Simulator Temperature: 33.9°C

Performed by Gilbert G Rainault Date 06/22/2012

DUI SUBJECT TEST

STATE OF VERMONT

DataMater DMT: 122306
Location: Essex County So
Certification Date: 08/30/2011
Installation Date: 09/09/2011

Date: 06/16/2012
Time: 00:02:53

SUBJECT NAME:
PRISCILLA P SPENCER
DOB: 08/30/1957 AGE: 54
GENDER: F
LICENSE #: 90533045 VT

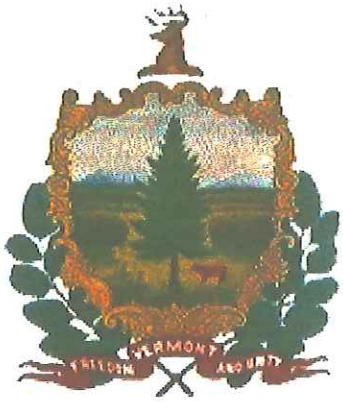
CASE #: 12EXC0155
TIME OF OPERATION: 20:55
LOCATION OF INCIDENT:
ROUTE 2
TOWN: CONCORD
COUNTY: ESSEX

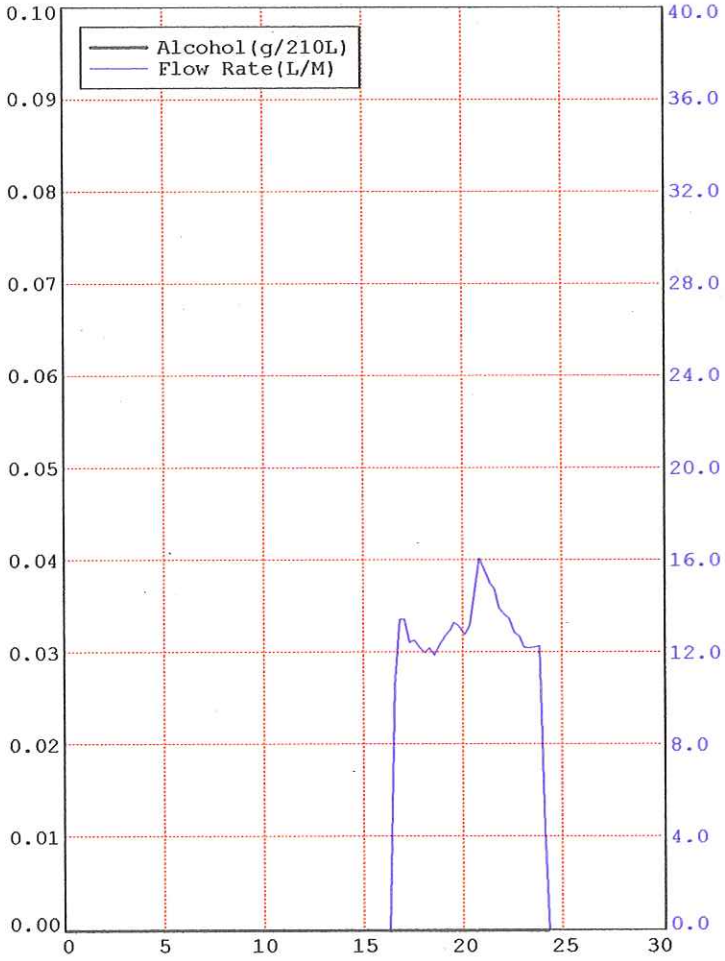
TEST OPERATOR NAME:
GILBERT G RAINAULT
AGENCY: ESSEX COUNTY SO

Obs. Period Start: 23:47

Filter Wheel Error

All alcohol values reported in g/210L
Sim. Vapor Concentration 0.100
Sim. Vapor Range 0.095 - 0.105
Lot #: 12-58-100





CHECK-IN CONFIRMATION TEST

STATE OF VERMONT

DataMater DMT: 122306
Location: Essex County So
Certification Date: 08/30/2011
Installation Date: 09/09/2011

Date: 06/22/2012
Time: 13:34:07

SUBJECT NAME:
TEST TEST
DOB: 10/06/1980 AGE: 31
GENDER: F

TEST OPERATOR NAME:
AMANDA BOLDUC
AGENCY: VFL

BLANK TEST	0.000	13:35
CALIBRATION CHECK	PASSED	13:35
SIMULATOR VAPOR 34.1°C	0.099	13:35
SUBJECT SAMPLE (Vol=1.7L)	0.000	13:36
BLANK TEST	0.000	13:37

All alcohol values reported in g/210L
Sim. Vapor Concentration 0.100
Sim. Vapor Range 0.095 - 0.105
Lot #: 12-58-100

DUI SUBJECT TEST

STATE OF VERMONT

DataMater DMT: 122306
Location: Essex County So
Certification Date: 08/30/2011
Installation Date: 09/09/2011

Date: 06/22/2012
Time: 13:42:46

SUBJECT NAME:
TEST TEST
DOB: 10/06/1980 AGE: 31
GENDER: F

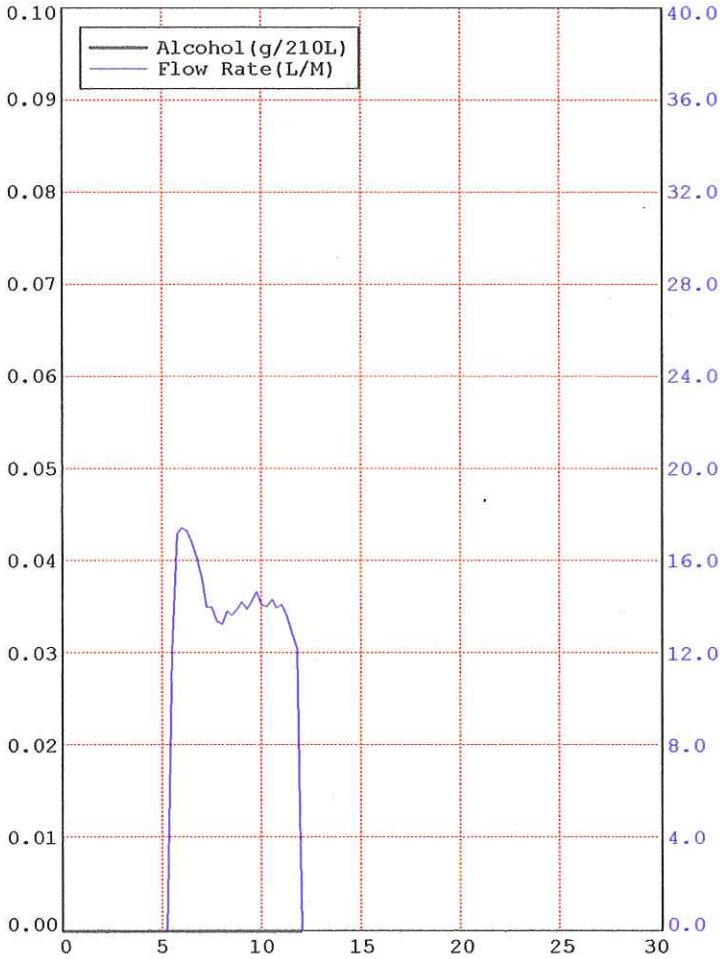
CASE #: 0
TIME OF OPERATION: 09:00
TOWN: WATERBURY
COUNTY: WASHINGTON

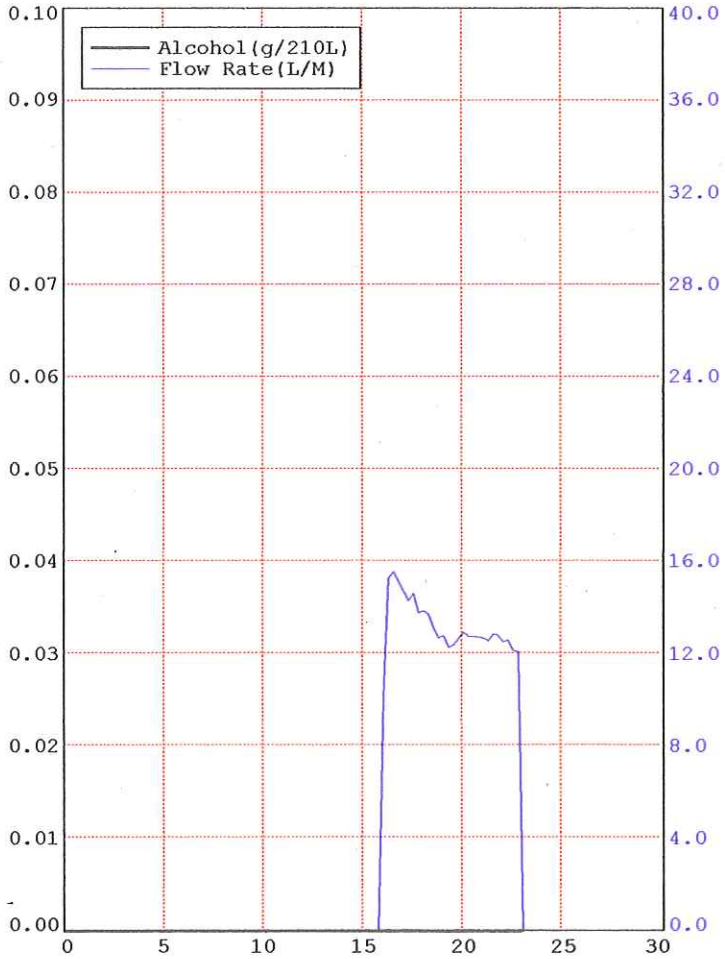
TEST OPERATOR NAME:
AMANDA BOLDUC
AGENCY: VFL

Obs. Period Start:		13:42
BLANK TEST	0.000	13:43
CALIBRATION CHECK	PASSED	13:43
SIMULATOR VAPOR 34.2°C	0.099	13:44
BLANK TEST	0.000	13:44
SUBJECT SAMPLE (Vol=1.6L)	0.000	13:45
BLANK TEST	0.000	13:46
CALIBRATION CHECK	PASSED	13:46
SIMULATOR VAPOR 34.2°C	0.099	13:46
BLANK TEST	0.000	13:47
SUBJECT SAMPLE (Vol=1.5L)	0.000	13:48

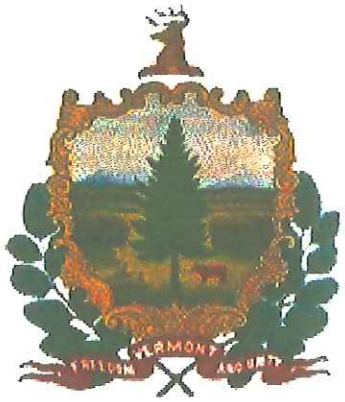
All alcohol values reported in g/210L
Sim. Vapor Concentration 0.100
Sim. Vapor Range 0.095 - 0.105
Lot #: 12-58-100

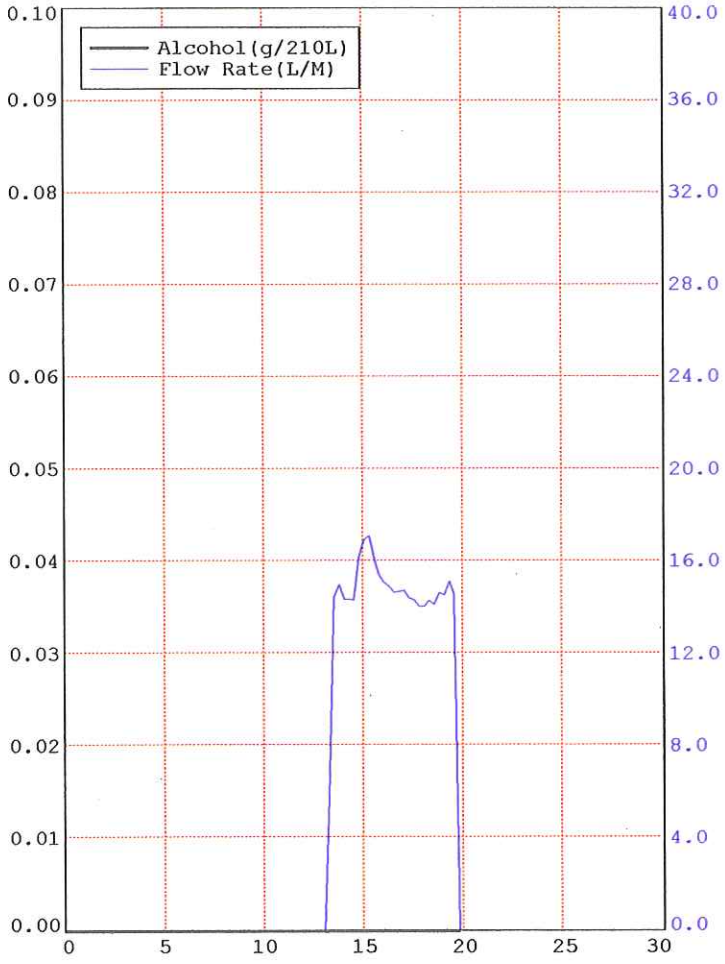
5-way Shock after Sample ✓ 6/22/12





Sick & ✓ 9@





DUI SUBJECT TEST

STATE OF VERMONT

DataMater DMT: 122306
Location: Essex County So
Certification Date: 08/30/2011
Installation Date: 09/09/2011

Date: 06/22/2012
Time: 14:14:37

SUBJECT NAME:
TEST TEST
DOB: 10/06/1980 AGE: 31
GENDER: F

CASE #: 0
TIME OF OPERATION: 09:00
TOWN: WATERBURY
COUNTY: WASHINGTON

TEST OPERATOR NAME:
AMANDA BOLDUC
AGENCY: VFL

Obs. Period Start:		14:14
BLANK TEST	0.000	14:15
CALIBRATION CHECK	PASSED	14:15
SIMULATOR VAPOR 34.2°C	0.099	14:16
BLANK TEST	0.000	14:16
SUBJECT SAMPLE (Vol=1.6L)	0.000	14:17

2nd TEST NOT REQUESTED

All alcohol values reported in g/210L
Sim. Vapor Concentration 0.100
Sim. Vapor Range 0.095 - 0.105
Lot #: 12-58-100