



VERMONT FORENSIC LABORATORY

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DATAMASTER TECHNICAL SUPPORT INQUIRY

Agency/Site: VFL DataMaster Serial #: 100144

Date: 7/2 /2012 Requestor: T. Conti

Instrument Supervisor: _____ Phone #: _____

Taken By: A. Bolduc

Problem: Prepare unit for deployment

Laboratory Response: _____

Work Performed: Instrument was Powered Up, the software was updated, Calibrated^d and Certified and had a simulator assigned to it. Ready for deployment.

☐ On Site ☒ In-house

Attachments: 5 pages

Performed By: A. Bolduc

Date: 7/2/12

Final Review: [Signature]

Date: 7/2/2012

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CALIBRATION REPORT

DataMaster DMT: 100144
Calibration Date: 07/02/2012
Calibrated by: AMANDA BOLDUC
Lot: 12-71-100



Ca	=	0.100			
CAL	=	0.974548	0.800	<=	CAL < 1.200
b1	=	0.000	0.000	<=	b1 < 0.004
b2	=	0.002	0.002	<=	b2 < 0.010
b3	=	0.000	0.000	<=	b3 < 0.004
Xq	=	0.080	0.050	<=	Xq < 0.200
a21	=	1.138815	1.050	<=	a21 < 1.300
a31	=	0.426904	0.300	<=	a31 < 0.800

Performed by

ABolduc

Date

07/02/2012



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 100144

Date: 07/02/2012

Time: 12:58:57

SUPERVISOR NAME:

ALB CAL CHECK

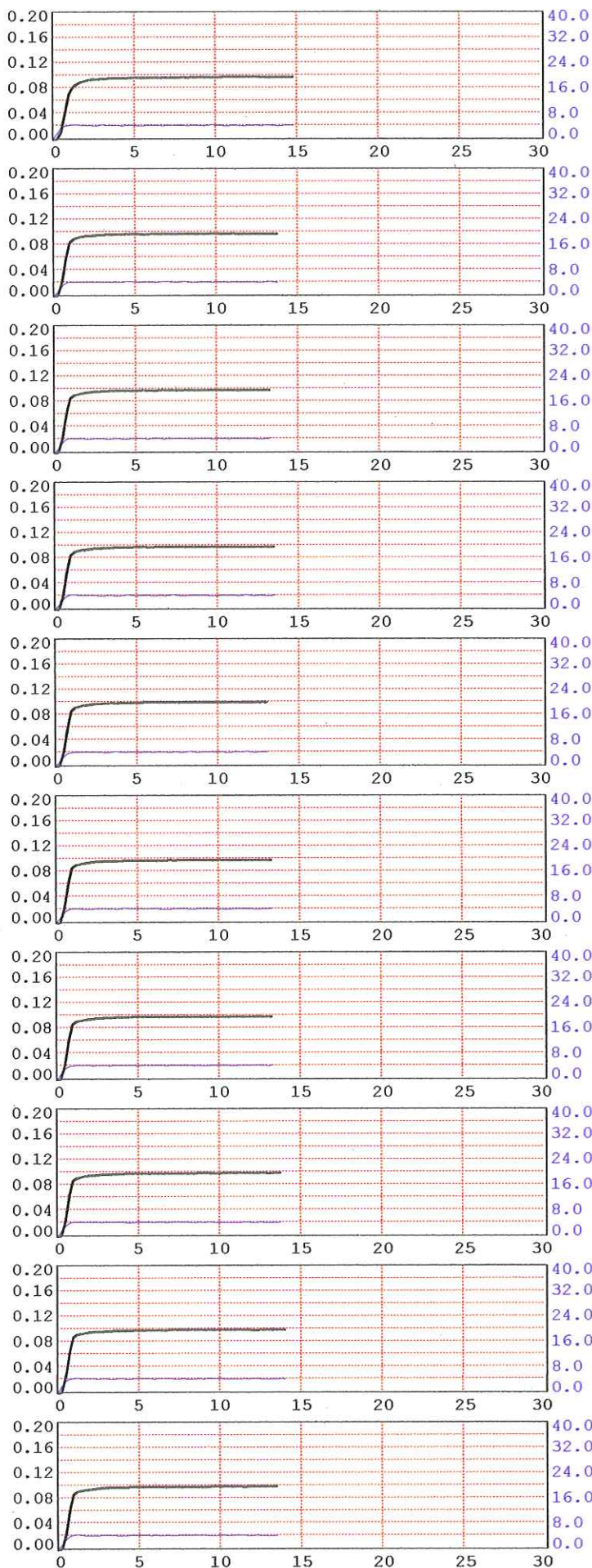
SOLUTION LOT #: GUTH 11250

SOLUTION CONCENTRATION: 0.100

BLANK TEST	0.000	12:59
CALIBRATION CHECK	PASSED	12:59
SIMULATOR VAPOR 34.2°C	0.098	13:00
SIMULATOR VAPOR 34.2°C	0.098	13:01
SIMULATOR VAPOR 34.4°C	0.098	13:02
SIMULATOR VAPOR 34.2°C	0.099	13:03
SIMULATOR VAPOR 34.2°C	0.099	13:04
SIMULATOR VAPOR 34.2°C	0.098	13:05
SIMULATOR VAPOR 34.4°C	0.098	13:06
SIMULATOR VAPOR 34.4°C	0.099	13:07
SIMULATOR VAPOR 34.4°C	0.099	13:08
SIMULATOR VAPOR 34.2°C	0.099	13:10
BLANK TEST	0.000	13:10

Average = 0.098

Std Dev = 0.000



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ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 100144

Date: 07/02/2012

Time: 13:14:52

SUPERVISOR NAME:

ALB CAL CHECK

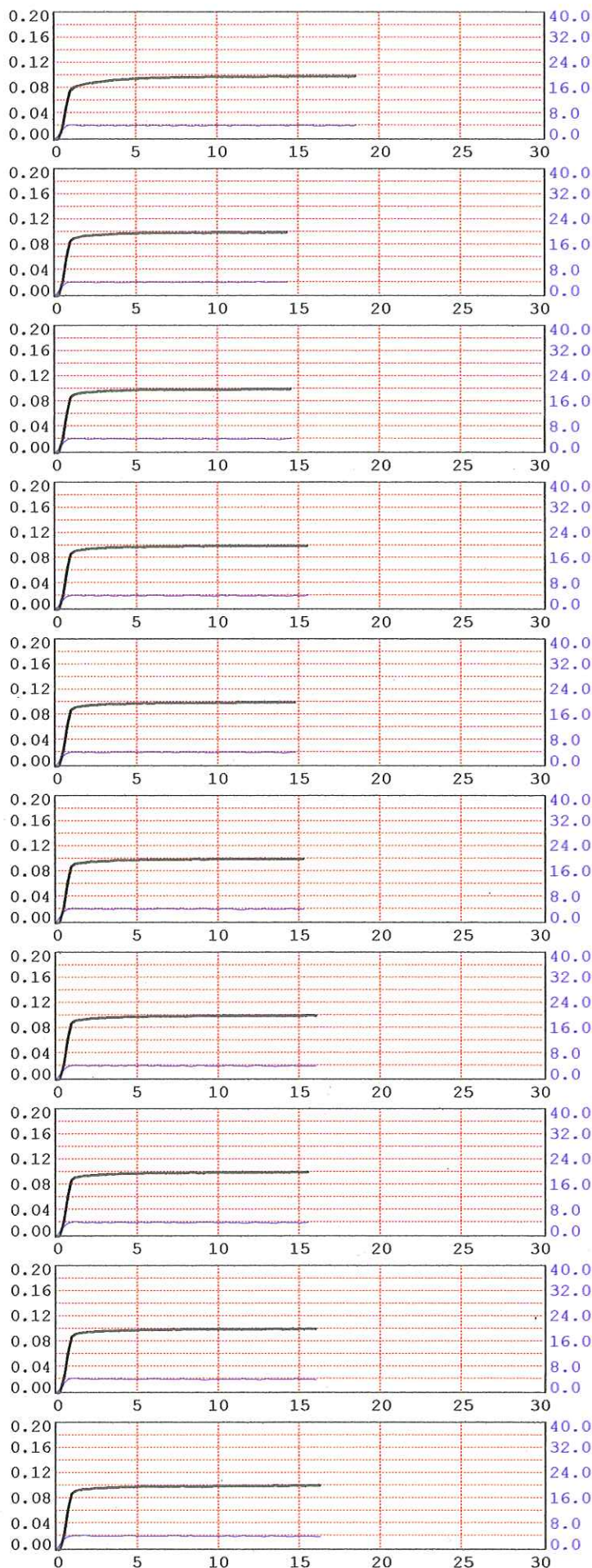
SOLUTION LOT #: 12-39-100

SOLUTION CONCENTRATION: 0.100

BLANK TEST	0.000	13:15
CALIBRATION CHECK	PASSED	13:15
SIMULATOR VAPOR 34.4°C	0.099	13:16
SIMULATOR VAPOR 34.2°C	0.099	13:17
SIMULATOR VAPOR 34.2°C	0.100	13:18
SIMULATOR VAPOR 34.2°C	0.100	13:19
SIMULATOR VAPOR 34.4°C	0.100	13:20
SIMULATOR VAPOR 34.2°C	0.100	13:21
SIMULATOR VAPOR 34.4°C	0.100	13:22
SIMULATOR VAPOR 34.4°C	0.100	13:24
SIMULATOR VAPOR 34.4°C	0.100	13:25
SIMULATOR VAPOR 34.2°C	0.100	13:26
BLANK TEST	0.000	13:27

Average = 0.099

Std Dev = 0.000



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CERTIFICATION REPORT

DataMaster DMT: 100144
Calibration Date: 07/02/2012
Certification Date: 07/02/2012
Certified by: AMANDA BOLDUC



Diagnostic Results

VERSIONS

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

TEMPERATURES

Sample Chamber = 49.3°C
Breath Tube = 45.6°C
Digital Sim = 34.4°C

SETTINGS

Lamp Voltage = 1.63 V
Cooler Voltage = 1.61 V
Bias Voltage = 80 V
Chopper Freq = 530 Hz

PUMP INFO

Flow Rate = 5.319 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.0626	0.0654
MIN(V)	0.0610	0.0636

FILTER INFO

Filter 1	0.064	Zero = true
Filter 2	0.700	Zero = true
Filter 3	1.589	Zero = true

CALIBRATION CHECK

Xq = 0.081 1.74%

Options

OPTIONS

Units

Alcohol..... g/210L

Simulator

Tolerance Check..... yes
Standard Type..... wet
Nominal..... 0.100
Digital Simulator..... Guth34CNP

Subject

Ask Questions..... yes
Number of Tests..... 2
Alcohol Display..... yes
Volume Display..... yes
Query Refusal..... yes
Copies..... 3
Simulator Before..... yes
Simulator Between..... yes
Simulator After..... no
Observation Time..... 0

Supervisor

Number of Tests..... 10

Calibration

Standard Type..... wet
Nominal..... 0.100
Nominal (Dry Gas)..... 0.100
Number of Tests..... 1

Printer

Printer On..... yes

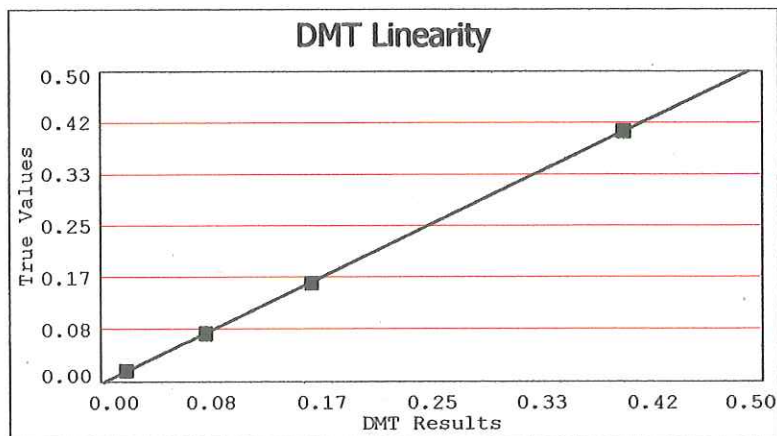
Software Configuration

Data Collection..... yes

Linearity Check Results

True Value	Reported Average	Std Dev
0.019 g/210L	0.019 g/210L	0.0000
Lot # 12-78-100	0.020 g/210L	
0.079 g/210L	0.079 g/210L	0.0000
Lot # 12-74-080		
0.160 g/210L	0.159 g/210L	0.0000
Lot # 12-53-160		
0.404 g/210L	0.395 g/210L	0.0000
Lot # 12-62-400		

$R^2 = 1$



Acetone Interference Test

Lot # 12-79-08A1

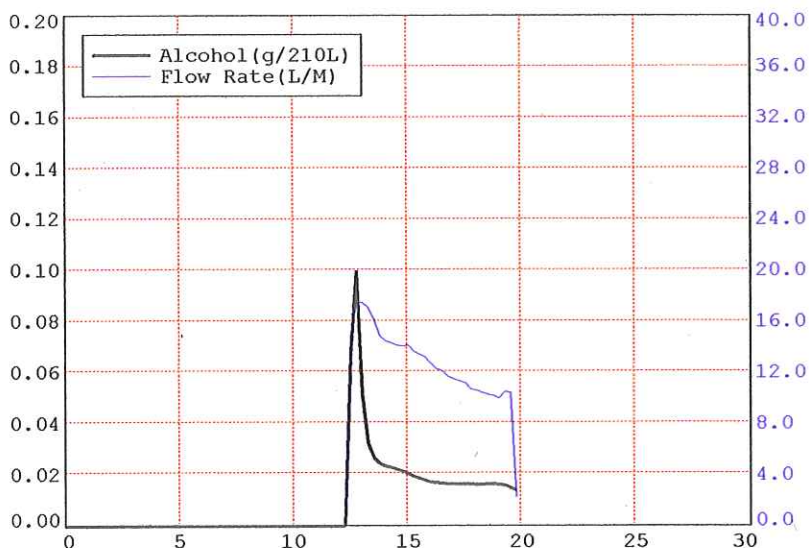
Interference Detected

Mouth Alcohol Test

Mouth Alcohol Detected

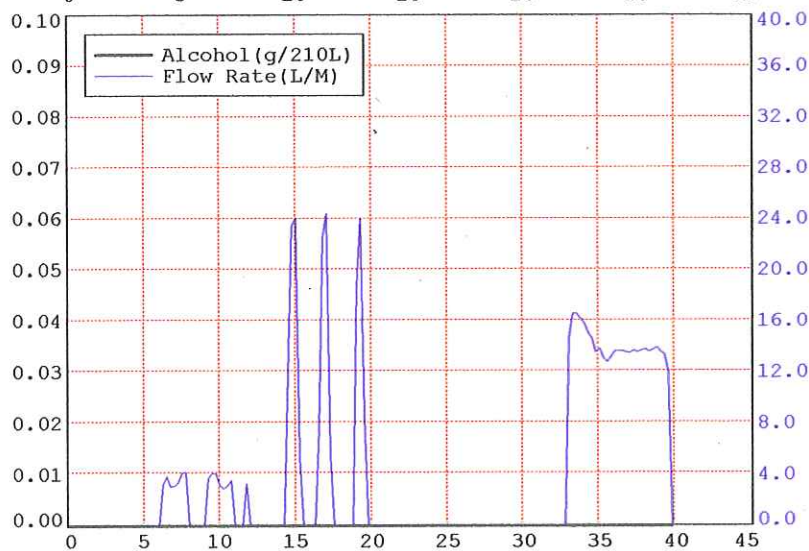
RF Detection Test

Passed



Sample Acceptance Test

Passed



CERTIFICATION PASSED

Performed by

Amant Bhan

Date

07/02/2012

Reviewed by

LICA

Date

7/2/2012

DMT Serial Number #100144

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07/02/2012 2:24 PM

Pass but 6 A