

Start Date 4/25/17

DMT Serial # 100151

DMT Location Newport PD

DMT Upgrade Checklist

	Initials	Date
• Install new Property Identification Tag Tag# <u>1000899</u>	<u>RCD</u>	<u>4/25/17</u>
• Download Data	<u>RCD</u>	<u>4/25/17</u>
• Upload New Software	<u>RCD</u>	<u>4/25/17</u>
• Install Intoximeters 12V500 conversion kit	<u>RCD</u>	<u>4/25/17</u>
• Performance check a new Guth 12V500 simulator using temp check form Sticker applied to sim? ☒	<u>RCD</u>	<u>4/25/17</u>
• Install new Guth 12V500 12V500 s/n: <u>MP3497</u>	<u>RCD</u>	<u>4/25/17</u>
• Verify adjustable flow rate valve installed (If no, install and set volume to 1.5L)	<u>RCD</u>	<u>4/25/17</u>
• Perform Calibration Protocol	<u>RCD</u>	<u>4/25/17</u>
• Perform Certification Protocol	<u>RCD</u>	<u>4/25/17</u>
• Calibration and certification review by analyst	<u>AB</u>	<u>4/25/17</u>
• Data logged into control charts	<u>AB</u>	<u>4/25/17</u>

Reviewed by: 

Date: 4/25/2017

1 of 5

CALIBRATION REPORT

DataMaster DMT: 100151
Calibration Date: 04/25/2017
Calibrated by: ROBERT DRISCOLL
Lot: 17-12-100



Ca	=	0.101		
CAL	=	0.970337	0.800	<= CAL < 1.200
b1	=	0.000	0.000	<= b1 < 0.004
b2	=	0.005	0.002	<= b2 < 0.010
b3	=	0.000	0.000	<= b3 < 0.004
Xq	=	0.087	0.050	<= Xq < 0.200
a21	=	1.178905	1.050	<= a21 < 1.300
a31	=	0.439964	0.300	<= a31 < 0.800

BL-DMT 1115 2016 RU 4/25/17

Performed by

RD

Date

04/25/2017

AS 2



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMaster DMT: 100151

Date: 04/25/2017

Time: 13:43:22

SUPERVISOR NAME:

RCD CAL CHECK

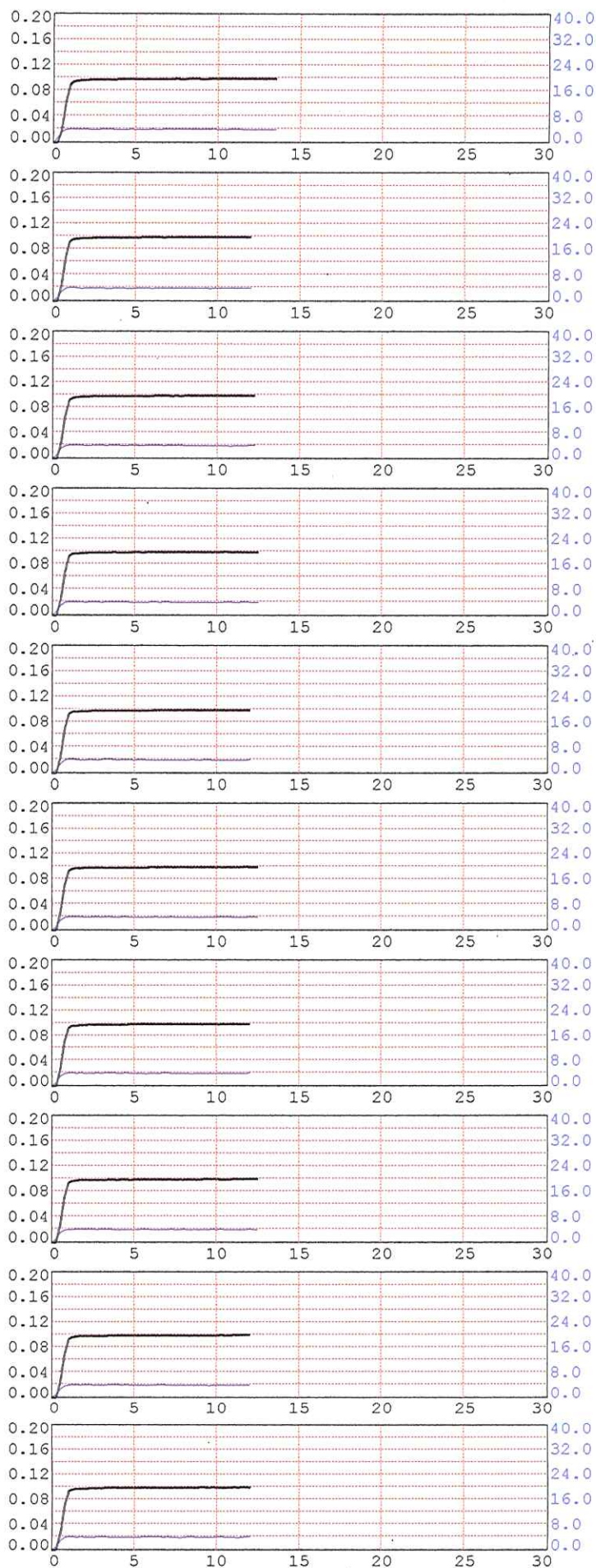
SOLUTION LOT #: GUTH 17060

SOLUTION CONCENTRATION: 0.102

BLANK TEST	0.000	13:44
CALIBRATION CHECK	PASSED	13:44
SIMULATOR VAPOR 34.0°C	0.099	13:44
SIMULATOR VAPOR 34.0°C	0.099	13:45
SIMULATOR VAPOR 34.0°C	0.099	13:46
SIMULATOR VAPOR 34.0°C	0.100	13:47
SIMULATOR VAPOR 34.0°C	0.099	13:48
SIMULATOR VAPOR 34.0°C	0.099	13:49
SIMULATOR VAPOR 34.0°C	0.099	13:50
SIMULATOR VAPOR 34.0°C	0.100	13:52
SIMULATOR VAPOR 34.0°C	0.100	13:53
SIMULATOR VAPOR 34.0°C	0.100	13:54
BLANK TEST	0.000	13:54

Average = 0.099

Std Dev = 0.0005



AS3

CERTIFICATION REPORT

DataMaster DMT: 100151
Calibration Date: 04/25/2017
Certification Date: 04/25/2017
Certified by: ROBERT DRISCOLL



Diagnostic Results

VERSIONS

DMT: 2.03
PIC: 2.05
Modem: 2.6
Questions: 2.1

TEMPERATURES

Sample Chamber = 48.8°C
Breath Tube = 43.3°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.73 V
Cooler Voltage = 1.71 V
Bias Voltage = 80 V
Chopper Freq = 536 Hz

PUMP INFO

Flow Rate = 4.734 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.0474	0.0510
MIN(V)	0.0459	0.0494

FILTER INFO

Filter 1	0.050	Zero = true
Filter 2	0.385	Zero = true
Filter 3	1.152	Zero = true

CALIBRATION CHECK

Xq = 0.087 0.30%

Options

OPTIONS

Units

Alcohol..... g/210L

Simulator

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

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

AB 4

Linearity Check Results

True Value	Reported Average	Std Dev
0.020 g/210L	0.019 g/210L	0.0000
Lot # 16-24-020		
0.080 g/210L	0.079 g/210L	0.0005
Lot # 16-38-080		
0.164 g/210L	0.160 g/210L	0.0000
Lot # 16-26-160		
0.368 g/210L	0.359 g/210L	0.0003
Lot # 17-15-360		

$R^2 = 1$

Acetone Interference Test

Lot # 17-11-08A2

Interference Detected

Mouth Alcohol Test

Mouth Alcohol Detected

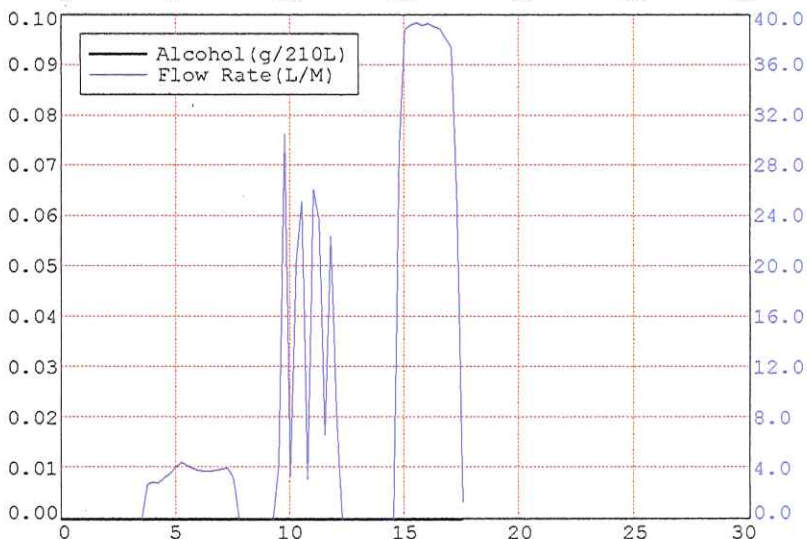
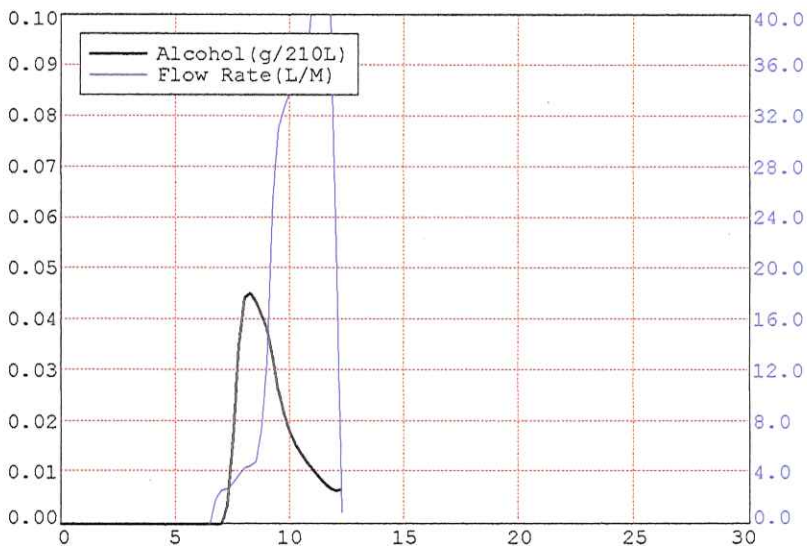
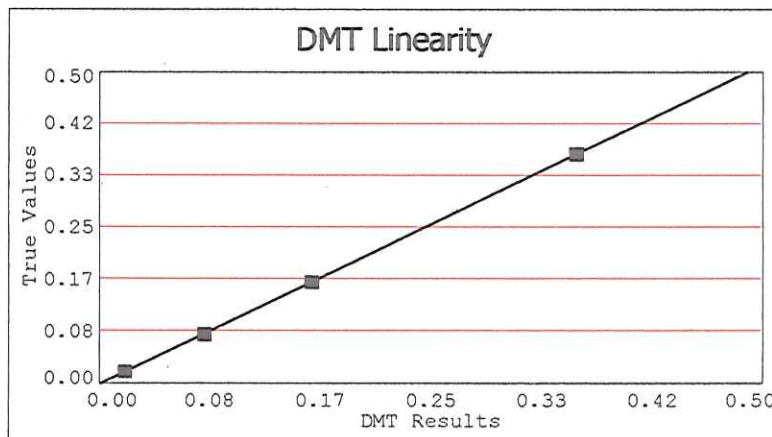
RF Detection Test

Passed

Sample Acceptance Test

Passed

CERTIFICATION PASSED



Performed by

AB RD

Date

04/25/2017

Reviewed by

AB

Date

4/25/17

DMT Serial Number #100151

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AB S