

Start Date 3/14/17

DMT Serial # 100158

DMT Location Northfield PD

DMT Upgrade Checklist

	Initials	Date
• Install new Property Identification Tag Tag# <u>1000907</u>	<u>RD</u>	<u>3/14/17</u>
• Download Data	<u>RD</u>	<u>3/14/17</u>
• Upload New Software	<u>RD</u>	<u>3/14/17</u>
• Install Intoximeters 12V500 conversion kit	<u>RD</u>	<u>2/14/17</u>
• Performance check a new Guth 12V500 simulator using temp check form Sticker applied to sim? <input checked="" type="checkbox"/>	<u>JSD</u>	<u>3/9/17</u>
• Install new Guth 12V500 12V500 s/n: <u>MP3455</u>	<u>JSD</u>	<u>3/15/17</u>
• Verify adjustable flow rate valve installed (If no, install and set volume to 1.5L)	<u>RD</u>	<u>3/14/17</u>
• Perform Calibration Protocol	<u>JSD</u>	<u>3/15/17</u>
• Perform Certification Protocol	<u>JSD</u>	<u>3/15/17</u>
• Calibration and certification review by analyst	<u>JSD</u>	<u>3/15/17</u>
• Data logged into control charts	<u>JSD</u>	<u>3/15/17</u>

Reviewed by:  Date: 3/16/17

CALIBRATION REPORT

DataMaster DMT: 100158
Calibration Date: 03/15/2017
Calibrated by: JEFFERY DUKETTE
Lot: 16-28-100



Ca	=	0.100		
CAL	=	0.954124	0.800	<= CAL < 1.200
b1	=	0.001	0.000	<= b1 < 0.004
b2	=	0.007	0.002	<= b2 < 0.010
b3	=	0.000	0.000	<= b3 < 0.004
Xq	=	0.091	0.050	<= Xq < 0.200
a21	=	1.172044	1.050	<= a21 < 1.300
a31	=	0.487946	0.300	<= a31 < 0.800

BL-DMT 11152016 JSD 3/15/17

Performed by

 JSD

Date

03/15/2017



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMaster DMT: 100158

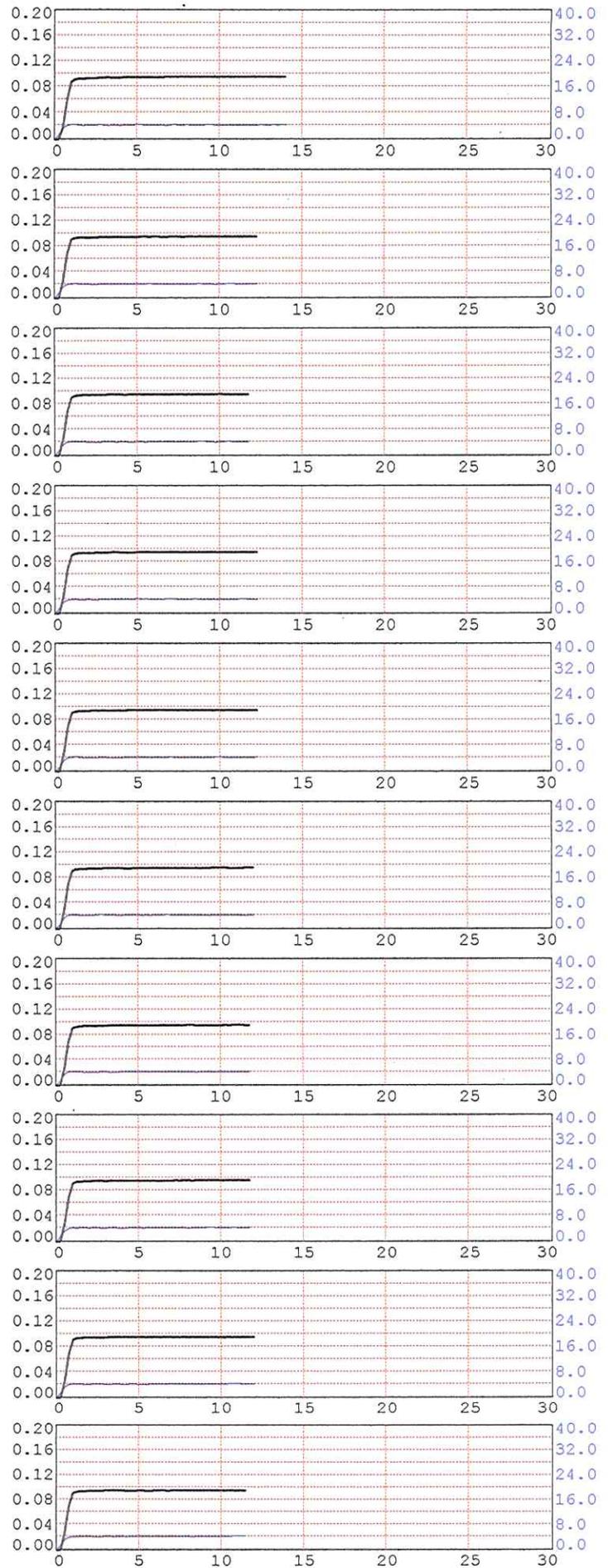
Date: 03/15/2017
Time: 11:46:51

SUPERVISOR NAME:
JSD CAL CHECK

SOLUTION LOT #: GUTH 16160
SOLUTION CONCENTRATION: 0.098

BLANK TEST	0.000	11:47
CALIBRATION CHECK	PASSED	11:47
SIMULATOR VAPOR 34.0°C	0.096	11:48
SIMULATOR VAPOR 34.0°C	0.096	11:49
SIMULATOR VAPOR 34.0°C	0.096	11:50
SIMULATOR VAPOR 34.0°C	0.096	11:51
SIMULATOR VAPOR 34.0°C	0.096	11:52
SIMULATOR VAPOR 34.0°C	0.096	11:53
SIMULATOR VAPOR 34.0°C	0.096	11:54
SIMULATOR VAPOR 34.0°C	0.096	11:55
SIMULATOR VAPOR 34.0°C	0.096	11:56
SIMULATOR VAPOR 34.0°C	0.096	11:57
BLANK TEST	0.000	11:58

Average = 0.096
Std Dev = 0.0000



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JSD

CERTIFICATION REPORT

DataMaster DMT: 100158
Calibration Date: 03/15/2017
Certification Date: 03/15/2017
Certified by: JSD CAL CHECK



Diagnostic Results

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.9°C
Breath Tube = 43.5°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.78 V
Cooler Voltage = 1.81 V
Bias Voltage = 80 V
Chopper Freq = 544 Hz

PUMP INFO

Flow Rate = 4.837 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	-0.0120	-0.0083
MIN (V)	-0.0140	-0.0108

FILTER INFO

Filter 1	-0.009	Zero = true
Filter 2	0.295	Zero = true
Filter 3	1.321	Zero = true

CALIBRATION CHECK

Xq = 0.092 0.87%

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

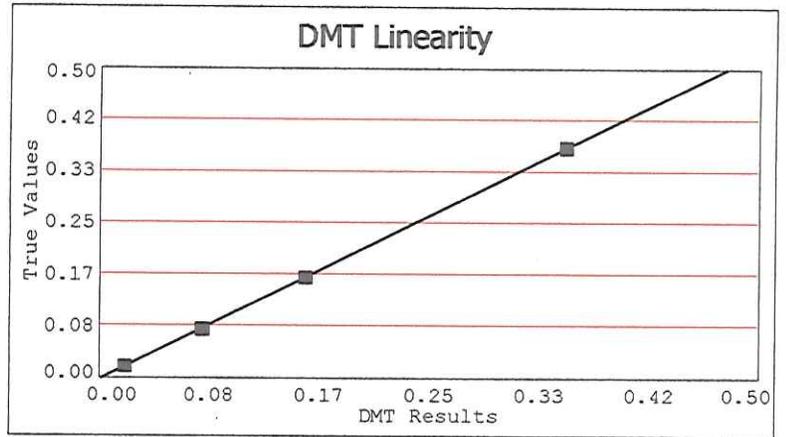
Software Configuration

Data Collection..... yes

Linearity Check Results

True Value	Reported Average	Std Dev
0.020 g/210L	0.019 g/210L	0.0005
Lot # 16-24-020		
0.080 g/210L	0.078 g/210L	0.0000
Lot # 16-38-080		
0.164 g/210L	0.156 g/210L	0.0000
Lot # 16-26-160		
0.372 g/210L	0.353 g/210L	0.0004
Lot # 16-40-360		

R² = 1



Acetone Interference Test

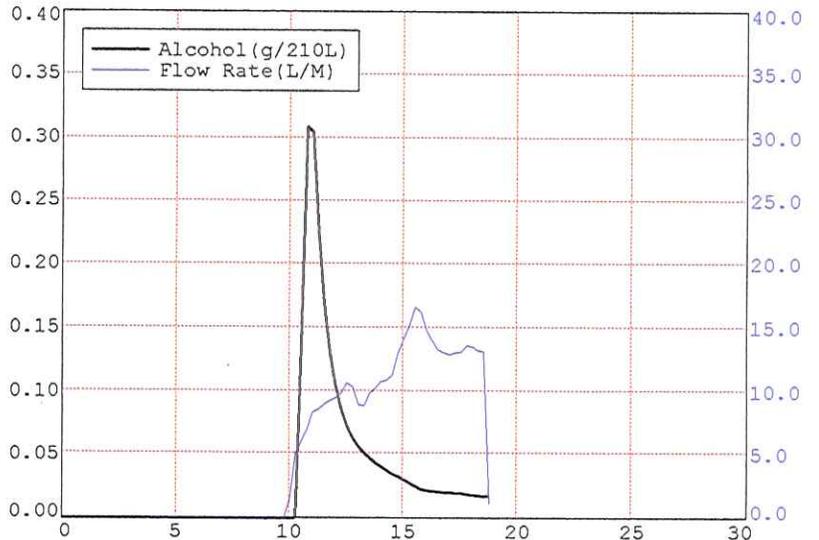
Lot # 17-11-08A2
Interference Detected

Mouth Alcohol Test

Mouth Alcohol Detected

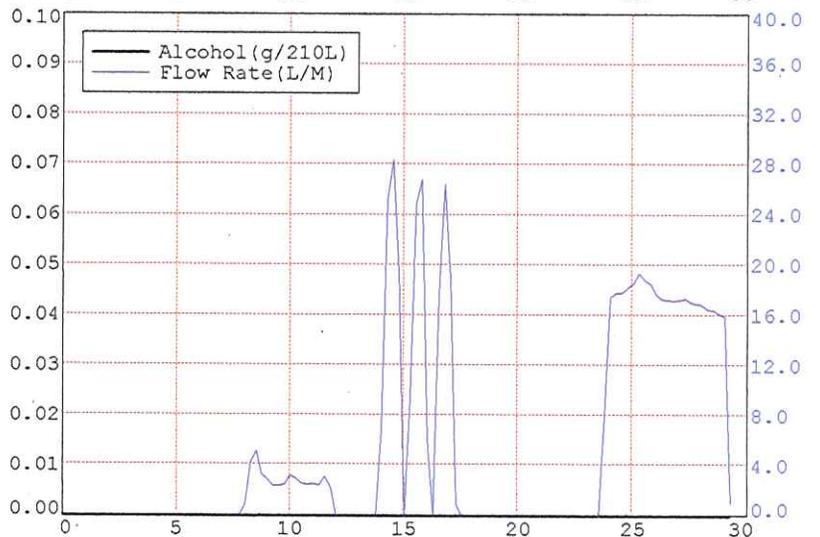
RF Detection Test

Passed



Sample Acceptance Test

Passed



CERTIFICATION PASSED

Performed by

[Signature] 850

Date 03/15/2017

Reviewed by

[Signature]

Date 3/16/17

DMT Serial Number #100158

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JSD