

Start Date 4/11/17

DMT Serial # 100157

DMT Location Colchester PP

DMT Upgrade Checklist

	Initials	Date
• Install new Property Identification Tag Tag# <u>1000906</u>	<u>RCJ</u>	<u>4/11/17</u>
• Download Data	<u>RCJ</u>	<u>4/11/17</u>
• Upload New Software	<u>RCJ</u>	<u>4/11/17</u>
• Install Intoximeters 12V500 conversion kit	<u>RCJ</u>	<u>4/11/17</u>
• Performance check a new Guth 12V500 simulator using temp check form Sticker applied to sim? <input checked="" type="checkbox"/>	<u>DO</u>	<u>4/11/17</u>
• Install new Guth 12V500 12V500 s/n: <u>M13508</u>	<u>DO</u>	<u>4/11/17</u>
• Verify adjustable flow rate valve installed (If no, install and set volume to 1.5L)	<u>RCJ</u>	<u>4/11/17</u>
• Perform Calibration Protocol	<u>DO</u>	<u>4/11/17</u>
• Perform Certification Protocol	<u>DO</u>	<u>4/11/17</u>
• Calibration and certification review by analyst	<u>DO</u>	<u>4/11/17</u>
• Data logged into control charts	<u>DO</u>	<u>4/11/17</u>

Reviewed by:  Date: 4/11/2017

CALIBRATION REPORT

DataMaster DMT: 100157
Calibration Date: 04/11/2017
Calibrated by: DAVID PATLAK
Lot: 17-12-100



Ca	=	0.101		
CAL	=	0.963017	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	=	0.094	0.050	<= Xq < 0.200
a21	=	1.169195	1.050	<= a21 < 1.300
a31	=	0.426141	0.300	<= a31 < 0.800

BL-DMT 11152016 Dr 4/11/17

Performed by

[Signature]

Date

04/11/2017



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMaster DMT: 100157

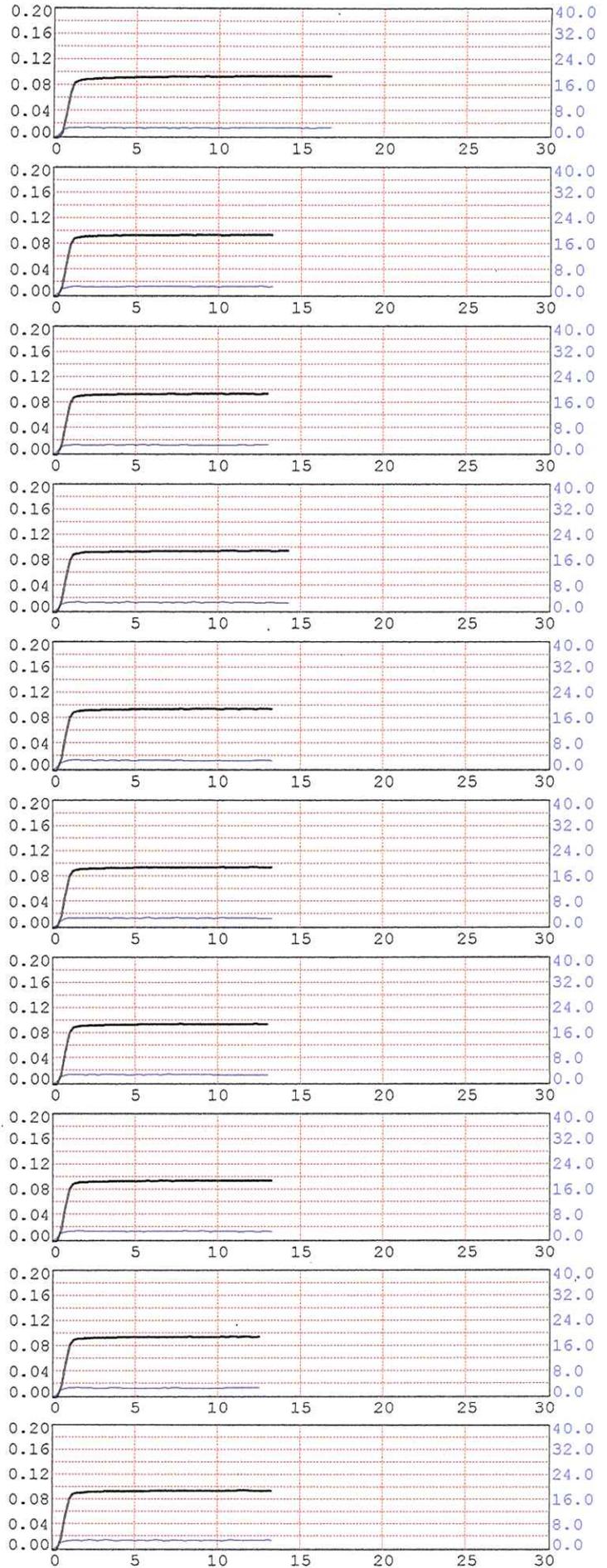
Date: 04/11/2017
Time: 10:22:13

SUPERVISOR NAME:
DJP CAL CHECK

SOLUTION LOT #: GUTH 16160
SOLUTION CONCENTRATION: 0.098

BLANK TEST	0.000	10:23
CALIBRATION CHECK	PASSED	10:23
SIMULATOR VAPOR 34.0°C	0.095	10:23
SIMULATOR VAPOR 34.0°C	0.095	10:24
SIMULATOR VAPOR 34.0°C	0.095	10:25
SIMULATOR VAPOR 34.0°C	0.095	10:26
SIMULATOR VAPOR 34.0°C	0.096	10:27
SIMULATOR VAPOR 34.0°C	0.095	10:28
SIMULATOR VAPOR 34.0°C	0.095	10:30
SIMULATOR VAPOR 34.0°C	0.095	10:31
SIMULATOR VAPOR 34.0°C	0.095	10:32
SIMULATOR VAPOR 34.0°C	0.095	10:33
BLANK TEST	0.000	10:34

Average = 0.095
Std Dev = 0.0003



DJP *J*

CERTIFICATION REPORT

DataMaster DMT: 100157
Calibration Date: 04/11/2017
Certification Date: 04/11/2017
Certified by: DAVID PATLAK



Diagnostic Results

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.7°C
Breath Tube = 43.2°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.66 V
Cooler Voltage = 1.67 V
Bias Voltage = 80 V
Chopper Freq = 535 Hz

PUMP INFO

Flow Rate = 3.911 L/M

DETECTOR INFO

PUMP ON OFF
MAX (V) -0.0677 -0.0650
MIN (V) -0.0697 -0.0665

FILTER INFO

Filter 1 -0.065 Zero = true
Filter 2 0.238 Zero = true
Filter 3 1.368 Zero = true

CALIBRATION CHECK

Xq = 0.095 1.40%

Options

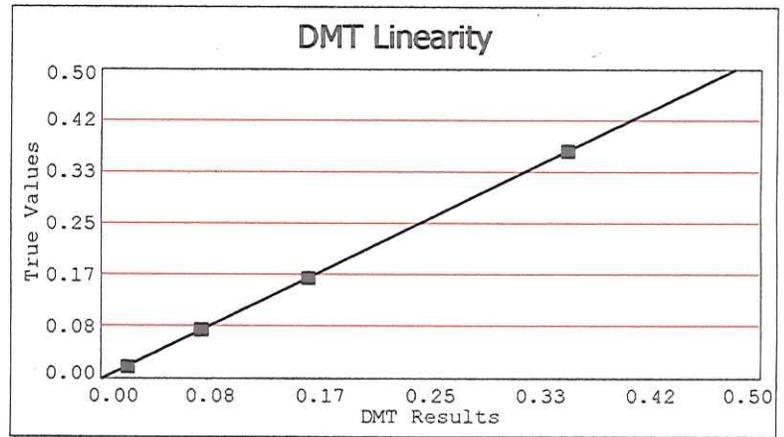
OPTIONS

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	0.020 g/210L	0.0000
Lot # 16-24-020		
0.080 g/210L	0.076 g/210L	0.0005
Lot # 16-38-080		
0.164 g/210L	0.157 g/210L	0.0005
Lot # 16-26-160		
0.368 g/210L	0.353 g/210L	0.0008
Lot # 17-15-360		

R² = 1



Acetone Interference Test

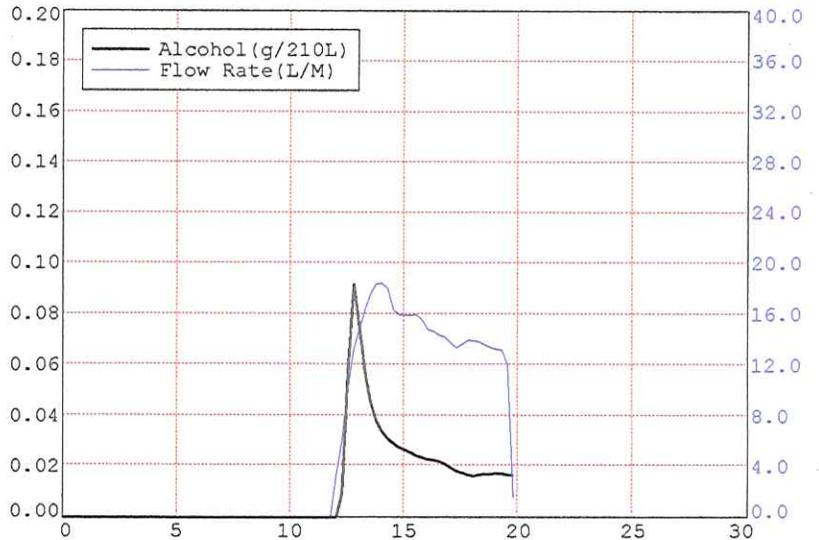
Lot # 17-11-08A2
Interference Detected

Mouth Alcohol Test

Mouth Alcohol Detected

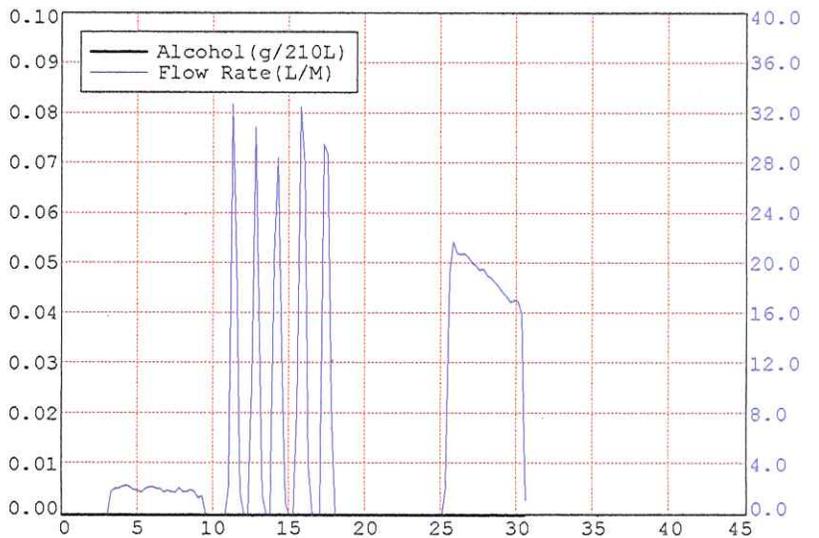
RF Detection Test

Passed



Sample Acceptance Test

Passed



CERTIFICATION PASSED

Performed by _____

Date 04/11/2017

Reviewed by _____

Date 4/11/17