Vermont Department of Health Laboratory to National Patent Analytical Systems DataMaster DMT Shipping Memo

SIM# G9407
NIST Temp = 34.1°
[illegible] 10-12-11
SAM 10/12/11

To:
National Patent Analytical Systems
2090 Harrington Memorial Road
Mansfield, Ohio 44901

From:
State of Vermont Health Department Laboratory
195 Colchester Ave
Burlington, Vermont 05401

Date: 10-12-11

Re:
Shipment of DataMaster DMT S/N: 100146 **for the Vermont Certification Project.**

Instrument Preparation:

1. **Removed Simulator & secured simulator arms with Ty-Wrap.** [illegible] 10-12-
2. **Removed breath tube.** [illegible] 10-12-11
3. **Downloaded instrument files to USB thumb drive.** [illegible] 10-12-11
4. **Removed keyboard & stylus.** [illegible] 10-12-11
5. **Removed security screws & replaced with manufacturer supplied screws.** [illegible] 10-12-11
6. **Instrument bagged & packaged for shipment.** [illegible] 10-12-11
7. **How many TSIs are included with instrument?** 2

Notes:

Shipment in this Box Contains One DataMaster DMT with NO accessories, and one Shipping Memo.

Packed by: [illegible] 10/12/11 **Witness by:** SAM 10/12/11

Bennington PD

Breath Record Summary

X = Interference, R = Refusal, V = Invalid, I = Incomplete

Test Date	Test Time	Agency	Operator Name	Alcohol Val. 1	Alcohol Val. 2	Sim. Conc. 1	Sim. Conc. 2	Status Message
04/10/2011	17:29	BENNINGTON PD	JOHN F BEHAN	R		0.099		
04/10/2011	17:48	BENNINGTON PD	JOHN F BEHAN	0.164		0.098		
04/22/2011	23:12	BENNINGTON COUNTY SO	JOEL R HOWARD	0.220		0.098		
05/21/2011	02:29	BENNINGTON PD	DAVID J FADEN			X		INTERFERENCE DETECTED
05/21/2011	02:32	BENNINGTON PD	DAVID J FADEN			X		INTERFERENCE DETECTED
05/21/2011	02:39	BENNINGTON PD	DAVID J FADEN			X		INTERFERENCE DETECTED
05/21/2011	02:44	BENNINGTON PD	DAVID J FADEN			X		INTERFERENCE DETECTED
05/21/2011	02:48	BENNINGTON PD	DAVID J FADEN			X		INTERFERENCE DETECTED
05/21/2011	03:19	BENNINGTON PD	JOSHUA M STEMP	R		0.096		
05/22/2011	01:34	BENNINGTON PD	ANDREW W HUNT			X		INTERFERENCE DETECTED
05/22/2011	01:37	BENNINGTON PD	ANDREW W HUNT			X		INTERFERENCE DETECTED
05/22/2011	01:40	BENNINGTON PD	ANDREW W HUNT			X		INTERFERENCE DETECTED
05/24/2011	13:41	BENNINGTON COUNTY SO	LAUZON C E			X		INTERFERENCE DETECTED
05/25/2011	10:59	BENNINGTON PD	LAUZON C E	0.000		0.102		
05/27/2011	22:29	BRANDON PD	DAVID J FADEN	0.177		0.102		
05/30/2011	01:33	SHAFTSBURY VSP	JUSTIN W WALKER	0.131		0.102		
06/05/2011	02:17	SHAFTSBURY VSP	WAYNE M GODFREY	0.076		0.102		
06/11/2011	03:16	BENNINGTON PD	JOSHUA M STEMP	R		0.102		
06/12/2011	05:03	BENNINGTON PD	JAMES A GULLEY	I	0.123	0.102		
06/16/2011	02:43	BRANDON PD	ROSCOE E HARRINGTON	0.130	I	0.100	0.100	
06/18/2011	04:39	SHAFTSBURY VSP	JUSTIN W WALKER	I	I	0.100		
07/02/2011	03:04	BENNINGTON PD	JOSHUA M STEMP	0.113		0.097		
07/12/2011	22:04	BENNINGTON PD	NICHOLAS L HOLDEN	0.173		0.097		
07/23/2011	03:11	BENNINGTON PD	CAMILLO A GRANDE	R		0.097		
07/27/2011	17:24	BENNINGTON PD	DAVID J FADEN	0.146	0.138	0.096	0.096	
08/04/2011	04:05	BENNINGTON PD	ROSCOE E HARRINGTON	0.197	0.193	0.097	0.096	
08/11/2011	02:21	BENNINGTON PD	JOSHUA M STEMP	0.135		0.096	0.096	
08/19/2011	23:00	BENNINGTON PD	JOHN F BEHAN	0.024		0.096		
08/21/2011	03:40	BENNINGTON PD	ANDREW W HUNT	R		0.096		
08/21/2011	04:01	BENNINGTON PD	ANDREW W HUNT	0.172		0.096	X	INTERFERENCE DETECTED
08/31/2011	13:09	BENNINGTON PD	CHRIS E LAUZON	0.096		0.095		
09/10/2011	02:40	BENNINGTON PD	CAMILLO A GRANDE	0.138		0.098		
09/18/2011	04:41	SHAFTSBURY VSP	JUSTIN W WALKER	0.100		0.098		
09/25/2011	18:43	BENNINGTON PD	DAVID J FADEN	0.099		0.098		
09/30/2011	23:10	BENNINGTON PD	THALIA J HUDSON	0.178		0.097		
10/02/2011	02:17	BENNINGTON PD	CAMILLO A GRANDE	0.195	0.195	0.097	0.097	
10/02/2011	22:04	BENNINGTON PD	MICHAEL W PLUSCH	R		0.098		
10/04/2011	20:28	BENNINGTON PD	JOHN F BEHAN					RFI DETECTED
10/04/2011	20:29	BENNINGTON PD	JOHN F BEHAN	0.220	0.237	0.098	0.097	

Breath Record Summary

X = Interference, R = Refusal, V = Invalid, I = Incomplete

Test Date	Test Time	Agency	Operator Name	Alcohol Val. 1	Alcohol Val. 2	Sim. Conc. 1	Sim. Conc. 2	Status Message
09/03/2010	20:58	BENNINGTON PD	JOSHUA M STEMP			0.098		RESPONSE TIMEOUT
09/03/2010	21:03	BENNINGTON PD	JOSHUA M STEMP			0.098		RESPONSE TIMEOUT
09/03/2010	21:27	BENNINGTON PD	JOSHUA M STEMP	R		0.098		
09/05/2010	02:25	SHAFTSBURY VSP	WAYNE M GODFREY	0.091		0.098		
09/05/2010	04:45	BENNINGTON COUNTY SO	LAWRENCE W COLE	0.132		0.097		
09/05/2010	05:10	SHAFTSBURY VSP	WAYNE M GODFREYQ	R		0.097		
09/10/2010	04:44	BENNINGTON PD	ROSCOE E HARRINGTON	0.129		0.098		
09/19/2010	03:57	BENNINGTON PD	JOSHUA M STEMP	0.170		0.097		
09/25/2010	21:46	BENNINGTON PD	THALIA J HUDSON	I	0.181	0.097	0.095	STANDARD OUT OF RANGE
10/02/2010	02:32	BENNINGTON PD	JOSHUA M STEMP			0.096		STANDARD OUT OF RANGE
10/02/2010	07:46	BENNINGTON PD	JOSHUA M STEMP			0.096		STANDARD OUT OF RANGE
10/16/2010	20:24	BENNINGTON PD	LLOYD N DEAN	R		0.098		
10/19/2010	23:04	BENNINGTON PD	THALIA J HUDSON	I	0.180	0.099		
10/25/2010	04:14	BENNINGTON PD	ROSCOE E HARRINGTON	0.110		0.098		
10/30/2010	03:09	BENNINGTON COUNTY SO	JOEL R HOWARD	0.071		0.098		
10/30/2010	21:22	BENNINGTON COUNTY SO	ANTHONY J SILVESTRO	0.154	0.149	0.098	0.097	
11/06/2010	03:27	BENNINGTON PD	CAMILLO A GRANDE	0.112	0.120	0.097	0.097	
11/09/2010	14:58	BENNINGTON PD	GEORGE A COREY					RFI DETECTED
11/09/2010	15:00	BENNINGTON PD	GEORGE A COREY	0.252		0.097		
11/10/2010	21:28	BENNINGTON COUNTY SO	JOEL R HOWARD	0.084	0.087	0.097	0.097	
11/11/2010	23:20	BENNINGTON COUNTY SO	JOEL R HOWARD	0.080		0.097		
11/12/2010	02:39	BENNINGTON PD	CAMILLO A GRANDE	0.233		0.097	0.096	STANDARD OUT OF RANGE
11/12/2010	02:45	BENNINGTON PD	CAMILLO A GRANDE	0.228		0.097		
11/12/2010	03:39	BENNINGTON PD	ROSCOE E HARRINGTON	0.107		0.097	0.095	STANDARD OUT OF RANGE
11/12/2010	03:46	BENNINGTON PD	ROSCOE E HARRINGTON	0.113		0.098		
11/13/2010	01:35	BENNINGTON PD	JOSHUA M STEMP	0.084		0.094		
11/13/2010	02:37	BENNINGTON PD	CAMILLO A GRANDE	R		0.093		
11/14/2010	00:53	BENNINGTON COUNTY SO	JOEL R HOWARD	0.250	0.240	0.094	0.093	
11/18/2010	03:19	BENNINGTON PD	JOSHUA M STEMP	V		0.094		
11/18/2010	03:40	BENNINGTON PD	JOSHUA M STEMP	0.131		0.094		
11/24/2010	23:25	BENNINGTON PD	ROSCOE E HARRINGTON	0.100	0.096	0.093	0.093	
11/25/2010	03:57	BENNINGTON PD	LLOYD N DEAN	0.162		0.093		
12/06/2010	16:16	BENNINGTON PD	CHRIS E LAUZON			0.092		STANDARD OUT OF RANGE
12/06/2010	16:19	BENNINGTON PD	CHRIS E LAUZON	I	0.162	0.093	0.092	STANDARD OUT OF RANGE
12/06/2010	16:29	BENNINGTON PD	CHRIS E LAUZON	0.178		0.093		
12/08/2010	23:34	BENNINGTON PD	NICHOLAS L HOLDEN	R		0.101		
12/14/2010	00:37	BENNINGTON PD	MICHAEL W PLUSCH	0.152		0.102		
12/19/2010	17:23	BENNINGTON PD	THOMAS L BULL	0.241		0.101		
02/20/2011	02:00	BENNINGTON PD	DAVID J FADEN	0.141	0.141	0.099	0.099	
02/20/2011	02:26	BENNINGTON PD	ANDREW W HUNT	R		0.099		
02/24/2011	23:27	BENNINGTON PD	DAVID J FADEN	0.096		0.099		
02/27/2011	03:18	SHAFTSBURY VSP	ROBERT C ZINK	0.093	0.090	0.099	0.099	
02/27/2011	18:54	BENNINGTON PD	DAVID J FADEN	0.251		0.098		
03/06/2011	02:50	BENNINGTON PD	DAVID J FADEN	I	0.160	0.097	0.097	
03/06/2011	18:52	BENNINGTON PD	THALIA J HUDSON	0.158		0.099		
03/08/2011	22:38	BENNINGTON PD	JASON D BURNHAM	0.137		0.099		
03/12/2011	02:58	BENNINGTON PD	JOSHUA M STEMP	0.093		0.099	0.099	
03/13/2011	00:17	BENNINGTON COUNTY SO	JOEL R HOWARD	0.167		0.098		
03/17/2011	00:52	BENNINGTON PD	JOSHUA M STEMP	0.150	0.151	0.099	0.098	
03/19/2011	01:54	SHAFTSBURY VSP	WAYNE M GODFREY	0.229		0.099		
04/03/2011	03:23	BENNINGTON PD	JOSHUA M STEMP	0.090		0.098		
04/03/2011	21:36	BENNINGTON PD	JASON D BURNHAM	0.047		0.098		
04/09/2011	01:31	BENNINGTON COUNTY SO	JOEL R HOWARD	0.138	0.136	0.098	0.098	
04/10/2011	03:04	BENNINGTON PD	DAVID J FADEN	0.131		0.098		

Bern PD

Status Record Summary

X = Interference, R = Refusal, V = Invalid, I = Incomplete

Test Date	Test Time	Test Type	Status Message
09/03/2010	20:58	Breath Test	RESPONSE TIMEOUT
09/03/2010	21:03	Breath Test	RESPONSE TIMEOUT
09/25/2010	21:46	Breath Test	STANDARD OUT OF RANGE
10/02/2010	02:32	Breath Test	STANDARD OUT OF RANGE
10/02/2010	07:46	Breath Test	STANDARD OUT OF RANGE
11/12/2010	02:39	Breath Test	STANDARD OUT OF RANGE
11/12/2010	03:39	Breath Test	STANDARD OUT OF RANGE
12/06/2010	16:16	Breath Test	STANDARD OUT OF RANGE
12/06/2010	16:19	Breath Test	STANDARD OUT OF RANGE
05/21/2011	02:29	Breath Test	INTERFERENCE DETECTED
05/21/2011	02:32	Breath Test	INTERFERENCE DETECTED
05/21/2011	02:39	Breath Test	INTERFERENCE DETECTED
05/21/2011	02:44	Breath Test	INTERFERENCE DETECTED
05/21/2011	02:48	Breath Test	INTERFERENCE DETECTED
05/22/2011	01:34	Breath Test	INTERFERENCE DETECTED
05/22/2011	01:37	Breath Test	INTERFERENCE DETECTED
05/22/2011	01:40	Breath Test	INTERFERENCE DETECTED
08/21/2011	04:01	Breath Test	INTERFERENCE DETECTED
10/04/2011	20:28	Breath Test	RFI DETECTED

RECEIVED
SEP 12 2011
Vermont Department of Health Laboratory

ROUTINE PERFORMANCE CHECK REPORT

VERMONT
DEPARTMENT OF HEALTH

DataMaster DMT: 100146
Location: BENNINGTON PD
Calibration Date: 01/20/2011
Certification Date: 01/20/2011
Installation Date: 02/18/2011
RPC Date: 09/08/2011
Supervisor Name: CHRIS E LAUZON

Not within RPC acceptable time frame
10/13/11

Diagnostic Results

VERSIONS
DMT 1.05
PIC 2.05
Modem 1.06
Questions 1.00
Reports 1.02

SH 10-5-11

TEMPERATURES
Sample Chamber = 48.68°C
Breath Tube = 48.08°C
Digital Sim = 34.1°C

SH 10-5-11

SETTINGS
Lamp Voltage = 1.67 V
Cooler Voltage = 1.69 V
Bias Voltage = 80.6 V
Chopper Freq = 546.9 Hz

SH 10-5-11

PUMP INFO
Flow Rate = 5.929 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	-0.0217	-0.0187
MIN(V)	-0.0234	-0.0203

SH 10-5-11

FILTER INFO
Filter 1 -0.020 Zero = true
Filter 2 0.226 Zero = true
Filter 3 0.490 Zero = true

SH 10-5-11

CALIBRATION CHECK
Xq = 0.0753 1.25%

SH 10-5-11

Routine Performance Check Passed

Accuracy and Precision Check

Concentration = 0.100 g/210L
Lot # = 11-40-100
Average = 0.099 g/210L
Std Dev = 0.000

SH 10-5-11

RFI Interference Test

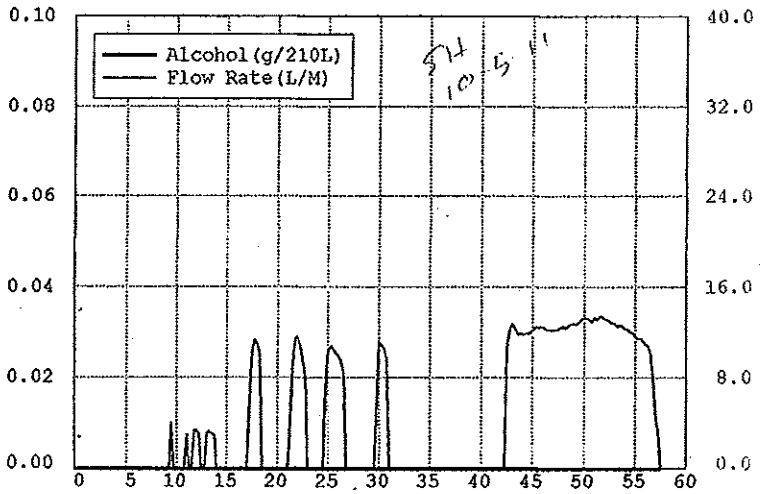
RFI detected

SH 10-5-11

Sample Acceptance Test

Passed

SH 10-5-11



SH 10-5-11

Not entered in to RPC Log SH 10-5-11

Performed by [signature] Date 09/08/2011

Reviewed by Steven Harris Date 10-5-11

ROUTINE PERFORMANCE CHECK REPORT

RECEIVED
OCT 04 2011

VERMONT
DEPARTMENT OF HEALTH

DataMaster DMT: 100146
Location: BENNINGTON PD
Calibration Date: 01/20/2011
Certification Date: 01/20/2011
Installation Date: 02/18/2011
RPC Date: 10/02/2011
Supervisor Name: CHRIS E LAUZON

Diagnostic Results

VERSIONS
DMT 1.05
PIC 2.05 SH 10-5-11
Modem 1.06
Questions 1.00
Reports 1.02

TEMPERATURES
Sample Chamber = 49.09°C SH 10-5-11
Breath Tube = 48.07°C
Digital Sim = 34.0°C

SETTINGS
Lamp Voltage = 1.67 V
Cooler Voltage = 1.69 V SH 10-5-11
Bias Voltage = 80.5 V
Chopper Freq = 546.4 Hz

PUMP INFO SH 10-5-11
Flow Rate = 5.874 L/M

DETECTOR INFO
PUMP ON OFF
MAX(V) -0.0250 -0.0224 SH 10-5-11
MIN(V) -0.0272 -0.0238

FILTER INFO
Filter 1 -0.024 Zero = true
Filter 2 0.222 Zero = true SH 10-5-11
Filter 3 0.486 Zero = true

CALIBRATION CHECK
Xq = 0.0756 0.91% SH 10-5-11

Routine Performance Check Passed

Accuracy and Precision Check

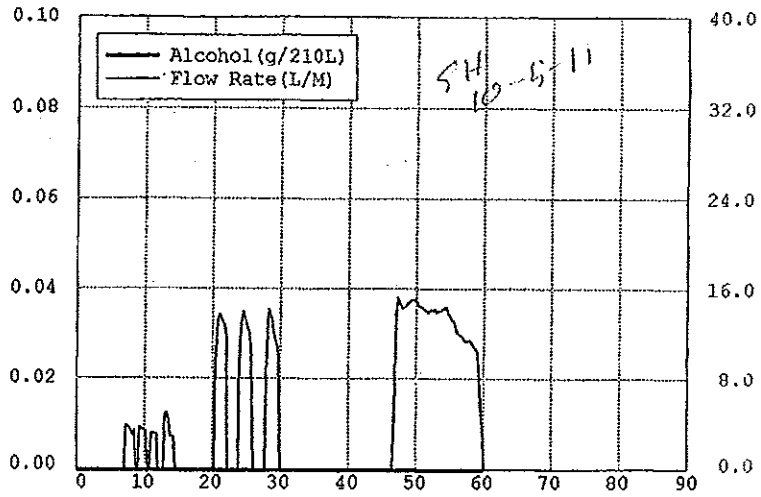
Concentration = 0.100 g/210L SH
Lot # = 11-40-100 10-5-11
Average = 0.098 g/210L
Std Dev = 0.000

RFI Interference Test

RFI detected SH 10-5-11

Sample Acceptance Test

Passed SH 10-5-11



Performed by _____ Date 10/02/2011

Reviewed by Steven Harnois Date 10-5-11

10/18/11