

Intoxilyzer 8000 Initial Inspection

Serial Number	80-004953
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- A. Power On 5 min. countdown 1 min.
- B. Security Checks. Level 1 Level 2 Level 3
- C. Gas Cylinder Setup
- D. Printer. Level 1 Func P Paper Feed Internal External
- E. Display is working.
- F. Configure Start Test Switch. Level 3 Func S Sub T
- G. Setup Preliminary Data. Level 2 Func E
- H. Configure General Setup. Level 3 Func S Sub G.
- I. Configure Port. Level 3 Func S Sub N
- J. Check Camera. ABA Mode Oper ID ND Lic. Hot Key "R"
- K. Diagnostic Test. Level 2 Func D
- L. Check Ser Num / Version Level 2 Func V
80-004953 Serial No. 8164.13 Version 1362.14 Display 7 CPLD
- M. Detector Voltages. Level 3 Func D Sub D

3	<u>12455</u>	s	<u>1</u>	C	<u>47.00</u>
9	<u>12757</u>	s	<u>2</u>	B	<u>45.0</u>

D RFI Ind.
- N. Hot Keys

<u>max</u>	<u>12757</u>
<input checked="" type="checkbox"/>	F5 Tone
<input checked="" type="checkbox"/>	F6 Green LED
<input checked="" type="checkbox"/>	F7 Red LED
<input checked="" type="checkbox"/>	F9 Fan
<input checked="" type="checkbox"/>	F10 Pump
<input checked="" type="checkbox"/>	F11 Sol Output
- O. RFI Dectector
- P. Atmospheric Monitor. Level 3 Func D Sub A. P 1027 CF 0.98

80-004953
4/24 JRM

08/09

OFFICE OF ATTORNEY GENERAL
 CRIME LABORATORY DIVISION
 Toxicology Section/Breath Alcohol Program
 Instrument Certification and Maintenance Unit

BrF-005-8

Q. Flow Monitor. Level 3 Func D Sub F. R 188 F 0.000 L/s
 R. Temperature Monitor. Level 3 Func D Sub T
 C 47.0 A 47.5 I 0.0
 B 45.0 V 0.0
 S. Gas Tank Monitor. Level 3 Func D Sub G 1248 psi Intox 950 psi Reg
 T. Configure Wet Bath Sim. Level 1 Func S
 U. Zero Alcohol Test Level 1 Func C
610329 Sim SN - Lot 0.000 Rep Value
0.000 AC 0.000 AC 0.000 AC
 V. Low AC Test. Level 1 Func C
DR5195 Sim SN - Lot 0.021 Rep Value
0.018 AC 0.019 AC 0.019 AC
 W. Linearity Test. Level 1 Func C
DR5113 Sim SN - Lot 0.285 Rep Value
0.278 AC 0.280 AC 0.281 AC
 X. Interferent Test. Level 1 Func B
 Acetone DR5186 Sim SN - Lot 0.05% Conc
 Display Printout
 Methanol DR3846 Sim SN - Lot 0.10% Conc
 Display Printout
 IPA DR3840 Sim SN - Lot 0.10% Conc
 Display Printout
 Y. Ambient Test
 Z. Invalid Sample Test
 AA. RFI Detector Test. CMS Mode
 Display Printout
 BB. Configure Dry Gas Standard. Level 1 Func S
 CC. Stability Test at 0.080AC. Level 3 Func T Sub S
0.080 Ave. 0.0004 Std Dev 0.50 Rel Std Dev
 DD. Maintenance/Repairs Calibrate Op Bench - Changed Regulator

8 February 2010
 Date DK
~~to Feb 2010~~ 12 Feb 2010
 Date

Mary Pearson
 Signature
Deb Kashur
 Reviewed by

80-004953
7/24 KR

08/09

TOXL
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-004953
 02/09/2010 11:12:30

P1 of 2
 80-004953
 Calibration
 2/09/10
 MAP

Auto Calibration

<<<<<		3um	>>>>>	<<<<<		9um	>>>>>

Solution = 0.000 g/210L or 0.0000 mg/l, Samples = 4, Discarded = 1							
Sample	% Abs	(% Abs Ref)		% Abs	(% Abs Ref)		
Sample #1	0.0630	(0.0010)		0.0830	(-0.0030)		
Sample #2	0.0410	(0.0280)		0.1030	(0.0030)		
Sample #3	0.0730	(0.0310)		0.0940	(0.0150)		
Sample #4	0.0620	(0.0500)		0.0970	(0.0090)		
Avg % Abs	0.0587	(0.0363)		0.0980	(0.0090)		
STD DEV	0.0163	(0.0119)		0.0046	(0.0060)		
REL STD DEV	27.713	(32.836)		4.676	(66.667)		

Solution = 0.021 g/210L or 0.1000 mg/l, Samples = 4, Discarded = 1							
Sample	% Abs	(% Abs Ref)		% Abs	(% Abs Ref)		
Sample #1	0.4140	(0.0110)		0.8300	(0.0230)		
Sample #2	0.4340	(0.0310)		0.8420	(0.0190)		
Sample #3	0.4540	(0.0190)		0.8490	(0.0280)		
Sample #4	0.4420	(0.0310)		0.8650	(0.0240)		
Avg % Abs	0.4433	(0.0270)		0.8520	(0.0237)		
STD DEV	0.0101	(0.0069)		0.0118	(0.0045)		
REL STD DEV	2.271	(25.660)		1.384	(19.053)		

Solution = 0.041 g/210L or 0.1952 mg/l, Samples = 4, Discarded = 1							
Sample	% Abs	(% Abs Ref)		% Abs	(% Abs Ref)		
Sample #1	0.8390	(-0.0110)		1.6440	(0.0000)		
Sample #2	0.8080	(0.0260)		1.6350	(0.0060)		
Sample #3	0.8410	(0.0170)		1.6270	(0.0170)		
Sample #4	0.8100	(0.0320)		1.6110	(0.0330)		
Avg % Abs	0.8197	(0.0250)		1.6243	(0.0187)		
STD DEV	0.0185	(0.0075)		0.0122	(0.0136)		
REL STD DEV	2.257	(30.199)		0.752	(72.734)		

Solution = 0.106 g/210L or 0.5048 mg/l, Samples = 4, Discarded = 1							
Sample	% Abs	(% Abs Ref)		% Abs	(% Abs Ref)		
Sample #1	2.1050	(0.0150)		4.0270	(0.0010)		
Sample #2	2.0810	(0.0450)		3.9870	(0.0120)		
Sample #3	2.0720	(0.0460)		3.9880	(0.0350)		
Sample #4	2.0920	(0.0340)		4.0330	(0.0160)		
Avg % Abs	2.0817	(0.0417)		4.0027	(0.0210)		
STD DEV	0.0100	(0.0067)		0.0263	(0.0123)		
REL STD DEV	0.481	(15.980)		0.656	(58.515)		

Solution = 0.285 g/210L or 1.3571 mg/l, Samples = 4, Discarded = 1							
Sample	% Abs	(% Abs Ref)		% Abs	(% Abs Ref)		
Sample #1	5.3840	(-0.0220)		10.0080	(-0.0100)		
Sample #2	5.3730	(0.0050)		9.9980	(0.0180)		
Sample #3	5.3670	(0.0110)		10.0050	(0.0260)		
Sample #4	5.3330	(0.0290)		9.9950	(0.0310)		
Avg % Abs	5.3577	(0.0150)		9.9993	(0.0250)		
STD DEV	0.0216	(0.0125)		0.0051	(0.0066)		
REL STD DEV	0.403	(83.267)		0.051	(26.230)		

TOXL
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-004953
 02/09/2010 11:12:30

Auto Calibration

pg 2 of 2

```

<<<<<      3um      >>>>>
-----
Zero Order Coef   -108.27
First Order Coef  2449.17
Second Order Coef  19.33
  
```

```

<<<<<      9um      >>>>>
-----
                -94.20
                1235.17
                13.13
  
```

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-----
Act      Fit      Residual
(g/210L) (g/210L) (g/210L)
0.000    0.001    -0.0007
0.021    0.021    0.0004
0.041    0.040    0.0008
0.106    0.107    -0.0006
0.285    0.285    0.0001
-----
  
```

```

-----
Act      Fit      Residual
(g/210L) (g/210L) (g/210L)
0.000    0.001    -0.0006
0.021    0.020    0.0007
0.041    0.041    0.0001
0.106    0.106    -0.0003
0.285    0.285    0.0000
-----
  
```

```

<<<<<      3um      >>>>>
-----
Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1
Sample
  
```

```

Sample #1      3126.00      3135.00
Sample #2      3131.00      3142.00
Sample #3      3124.00      3164.00
Sample #4      3110.00      3176.00
Avg            3121.6667     3160.6667
STD DEV       10.6927        17.2434
REL STD DEV   0.343         0.546
H2O adjust (mg/l*10k) 688         649
  
```

Atmospheric Pressure = 1027

*****CALIBRATION SUCCESSFUL*****

*Calib
 p 2012
 map*

80-004953
 9/24 PM

Intoxilyzer Test Record and Checklist
NDODAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004953
Location = TOXL 8164.13.00 06/09
02/19/2010 09:43

***** Printer Test *****

12 char/line
abcdefghijkl
ABCDEFGHIJKL

16 char per line
abcdefghijklmnop
ABCDEFGHIJKLMN

21 chars per line
abcdefghijklmnopqrstu
ABCDEFGHIJKLMNQRSTU

24 characters per line
abcdefghijklmnopqrstuvw
ABCDEFGHIJKLMNQRSTUW

32 characters per line
abcdefghijklmnopqrstuvwxy123456
ABCDEFGHIJKLMNQRSTUWXYZ123456

42 characters per line
abcdefghijklmnopqrstuvwxy1234567890abcdef
ABCDEFGHIJKLMNQRSTUWXYZ1234567890ABCDEF

Current Instrument Setup

Data Entry Mode: Enabled
Start Test Sequence: DABACABA
Display Prelim Rslt? Yes
Display Third Digit? Yes
Inhib Printer(Y/N)? No
Display Volume? No
Disable On Menfull? No
of Print Copies? 1
Select Std (0/W/1)? Dry
Standard Value? 0.080
Standard Lot #? 1234567890
Standard Cyl #? 1234RTE
Standard Expiration? 11/11/2011
Oper No? 107501

Flow Cal. Date: 01/19/2010
Slope 691
Intercept -628068

IR Calibration Date: 01/19/2010
3um 9um

0th Coef(*100):	-23329	-33530
1st Coef(*100):	254750	131926
2nd Coef(*100):	2664	1263
H2O adj(mg/l*10k):	635	572

***** Test End *****



Operator Signature
MARGY PEARSON

Remarks: *Print Test*

Form 106-18000

80-004953
10/24 VM

Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004953
Location = TOXL 8164.13.00 06/09
02/09/2010 11:56

***** Printer Test *****

abcdefghijklmnopqrstuvwxy1234567890-=
ABCDEFGHIJKLMNopqrstuvwxyz!@#%&^*()_+?

abcdefghijklmnopqrstuvwxy1234567890-=
ABCDEFGHIJKLMNopqrstuvwxyz!@#%&^*()_+?

Current Instrument Setup

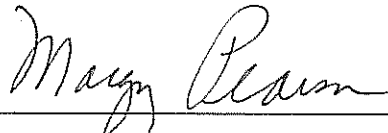
Data Entry Mode: Enabled
Start Test Sequence: DABACABA
Display Prelim Rslt? Yes
Display Third Digit? Yes
Inhib Printer(Y/N)? No
Display Volume? No
Disable On Memfull? No
of Print Copies? 1
Select Std (D/W/I)? Wet
Standard Value? 0.000
Standard Solution #? 00000
Sim Serial #? 000000
Oper No? 107501

Flow Cal. Date: 01/19/2010
Slope 691
Intercept -628068

IR Calibration Date: 02/09/2010

	3um	9um
0th Coef(*100):	-10827	-9420
1st Coef(*100):	244917	123517
2nd Coef(*100):	1933	1313
H2O adj(mg/l*10k):	688	649

***** Printer Test End *****



Operator Signature
MARGY PEARSON

Remarks:

Print Test


Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004953
Location = TOXL 8164.13.00 06/09
02/09/2010 11:54

Test	AC	Time
01 Room Air	0.000	11:55
02 *Subject Test	REF*	11:55
03 Room Air	0.000	11:55

*Subject Test Refused

Sub Name = DISCOVER, THE SPIRIT
Sub DOB = 11/01/1982
Sub Sex = Female Weight = 150
Test = DUI Cit = NA
Dr. Lic. = ND/DIS821456
Simul Ser No = 000000
Std Sol No = 00000
County = 08 Oper No. = 107501



Operator Signature
MARGY PEARSON

Remarks:

Camera / Hat key "R"

Form 106-I8000

80-004953
12/4 PM

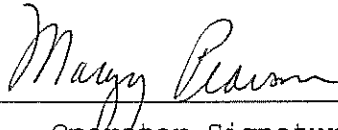
Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004953
Location = TOXL 8164.13.00 06/09
02/09/2010 10:33

DIAGNOSTIC

Voltage/Current Test	Pass
RAM Test	Pass
EEPROM Checksum Test	Pass
Real Time Clock Test	Pass
DSP Test	Pass
Analytical Stability Test	Pass
Modem Test	Pass
Temp Regulation Test	Pass

Oper No. = 107501



Operator Signature
MARGY PEARSON

Remarks:

DIAGNOSTIC

Form 106-I8000

80-004953
13/24 PM

Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004953
Location = TOXL 8164.13.00 06/09
02/09/2010 14:17

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	14:18
02 Std. Sol.	0.000	14:19
03 Room Air	0.000	14:19
04 Std. Sol.	0.000	14:20
05 Room Air	0.000	14:21
06 Std. Sol.	0.000	14:21
07 Room Air	0.000	14:22

08 Sim Temp = 34.0°C

Simul Ser No = 000000

Std Sol No = 00000

County = 08

Oper No. = 107501

Margy Pearson

Operator Signature
MARGY PEARSON

Remarks:

0.00 AC Zero

Form 106-I8000

80-004953
12/24 YAL

Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004953
Location = TOXL 8164.13.00 06/09
02/09/2010 14:22

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	14:23
02 Std. Sol.	0.018	14:29
03 Room Air	0.000	14:30
04 Std. Sol.	0.019	14:30
05 Room Air	0.000	14:31
06 Std. Sol.	0.019	14:32
07 Room Air	0.000	14:32

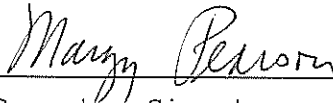
08 Sim Temp = 34.0°C

Simul Ser No = 000000

Std Sol No = 00000

County = 08

Oper No. = 107501



Operator Signature
MARGY PEARSON

Remarks:

Low AC 0.021 AC

Form 106-I8000

80-004953
15/24 FR

Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004953
Location = TOXL 8164.13.00 06/09
02/09/2010 14:48

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	14:49
02 Std. Sol.	0.278	14:51
03 Room Air	0.000	14:52
04 Std. Sol.	0.280	14:52
05 Room Air	0.000	14:53
06 Std. Sol.	0.281	14:54
07 Room Air	0.000	14:54

08 Sim Temp = 34.0°C

Simul Ser No = 000000

Std Sol No = 00000

County = 08

Oper No. = 107501

Margy Pearson

Operator Signature
MARGY PEARSON

Remarks:

Linearity 0.285 AC

Form 106-I8000

80-004953
10/24 YPM

Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004953
Location = TOXL 8164.13.00 06/09
02/09/2010 15:04

Test	AC	Time
01 Room Air	0.000	15:05
02 *Subject Test	INT*	15:05
03 Room Air	0.000	15:06

*Invalid Test
Interferent Detected

Sub Name = DISCOVER, THE SPIRIT
Sub DOB = 11/01/1982
Sub Sex = Female Weight = 150
Test = DUI Cit = NA
Dr. Lic. = ND/DIS821456
Simul Ser No = 000000
Std Sol No = 00000
County = 08 Oper No. = 107501



Operator Signature
MARGY PEARSON

Remarks:

ACETONE INTERFER

Form 106-I8000

80-004953
12/24 PM


Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004953
Location = TOXL 8164.13.00 06/09
02/09/2010 15:08

Test	AC	Time
01 Room Air	0.000	15:09
02 *Subject Test	INT*	15:09
03 Room Air	0.000	15:10

*Invalid Test
Interferent Detected

Sub Name = DISCOVER, THE SPIRIT
Sub DOB = 11/01/1982
Sub Sex = Female Weight = 150
Test = DUI Cit = NA
Dr. Lic. = ND/DIS821456
Simul Ser No = 000000
Std Sol No = 00000
County = 08 Oper No. = 107501



Operator Signature
MARGY PEARSON

Remarks:

Methanol Interferent

Form 106-I8000

80-004953
18/24 FM

Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004953
Location = TOXL 8164.13.00 06/09
02/09/2010 15:10

Test	AC	Time
01 Room Air	0.000	15:11
02 *Subject Test	INT*	15:11
03 Room Air	0.000	15:12

*Invalid Test
Interferent Detected

Sub Name = DISCOVER, THE SPIRIT
Sub DOB = 11/01/1982
Sub Sex = Female Weight = 150
Test = DUI Cit = NA
Dr. Lic. = ND/DIS821456
Simul Ser No = 000000
Std Sol No = 00000
County = 08 Oper No. = 107501



Operator Signature
MARGY PEARSON

Remarks:

IPA Interferent

Form 106-I8000

80-004953
19/24 FR

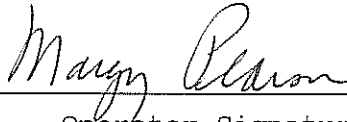
Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004953
Location = TOXL 8164.13.00 06/09
02/09/2010 16:05

Test	AC	Time
01 Room Air	AMB*	16:06
02 Room Air	0.000	16:07

*Invalid Test
Check Ambient Conditions

Sub Name = DISCOVER, THE SPIRIT
Sub DOB = 11/01/1982
Sub Sex = Female Weight = 150
Test = DUI Cit = NA
Dr. Lic. = ND/DIS821456
Lot No = 659358
Cyl No = 94
Expiration Date = 09/03/2011
County = 08 Oper No. = 107501



Operator Signature
MARGY PEARSON

Remarks:

Ambient Fail

Form 106-I8000

80-004953
2/24/10

Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004953
Location = TOXL 8164.13.00 06/09
02/09/2010 16:10

Test	AC	Time
01 Room Air	0.000	16:11
02 Invalid Sample	X.XXX	16:11
03 Room Air	0.000	16:12

*Invalid Test - Mouth Alcohol

Sub Name = DISCOVER, THE SPIRIT
Sub DOB = 11/01/1982
Sub Sex = Female Weight = 150
Test = DUI Cit = NA
Dr. Lic. = ND/DIS821456
Lot No = 659358
Cyl No = 94
Expiration Date = 09/03/2011
County = 08 Oper No. = 107501

Margy Pearson

Operator Signature
MARGY PEARSON

Remarks:

Invalid Sample

Form 106-I8000

80-004953
2/24/11

Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

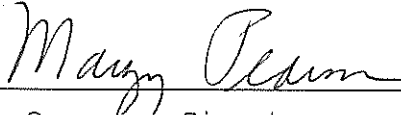
CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004953
Location = TOXL 8164.13.00 06/09
02/09/2010 15:02

Test	AC	Time
01 Diagnostic	OK	15:03
02 Room Air	RFI*	15:03
03 Room Air	0.000	15:03

*Invalid Test
Inhibited - RFI

Sub Name = DISCOVER, THE SPIRIT
Sub DOB = 11/01/1982
Sub Sex = Female Weight = 150
Test = DUI Cit = NA
Dr. Lic. = ND/DIS821456
Simul Ser No = 000000
Std Sol No = 00000
County = 08 Oper No. = 107501

I followed the Approved Method and the instructions displayed by the Intoxilyzer in conducting this test.



Operator Signature
MARGY PEARSON

Remarks:

RFI

Form 106-I8000

80-004953
22/24 R12

Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004953
Location = TOXL 8164.13.00 06/09
02/09/2010 15:34

Test	AC	Time
01 Room Air	0.000	15:35
02 Std. Gas	0.080	15:35
03 Room Air	0.000	15:36
04 Std. Gas	0.080	15:36
05 Room Air	0.000	15:36
06 Std. Gas	0.080	15:37
07 Room Air	0.000	15:37
08 Std. Gas	0.080	15:38
09 Room Air	0.000	15:38
10 Std. Gas	0.080	15:38
11 Room Air	0.000	15:39
12 Std. Gas	0.081	15:39
13 Room Air	0.000	15:40
14 Std. Gas	0.080	15:40
15 Room Air	0.000	15:41
16 Std. Gas	0.080	15:41
17 Room Air	0.000	15:42
18 Std. Gas	0.080	15:42
19 Room Air	0.000	15:42
20 Std. Gas	0.080	15:43
21 Room Air	0.000	15:43
22 Std. Gas	0.080	15:44
23 Room Air	0.000	15:44
24 Std. Gas	0.080	15:44
25 Room Air	0.000	15:45
26 Std. Gas	0.080	15:45
27 Room Air	0.000	15:46
28 Std. Gas	0.080	15:46
29 Room Air	0.000	15:47
30 Std. Gas	0.079	15:47
31 Room Air	0.000	15:48
32 Std. Gas	0.080	15:48
33 Room Air	0.000	15:48
34 Std. Gas	0.080	15:49
35 Room Air	0.000	15:49
36 Std. Gas	0.080	15:50
37 Room Air	0.000	15:50
38 Std. Gas	0.081	15:51
39 Room Air	0.000	15:51
40 Std. Gas	0.080	15:51
41 Room Air	0.000	15:52
42 Cal Check Stats:		
43 Average	0.0801	
44 Std Dev	0.0004	
45 Rel Std Dev	0.50%	

Stability test
P 1 of 2
MAB

80-004953
23/24 PM

Operator Signature
MARGY PEARSON

Remarks:

Form 106-I8000

LOT # 668180
Cyl # 94
Exp Date 9/3/2011

Stability test
2/2/2
MAP

80-004953
2/24 FR