



Intoxilyzer 8000 Initial Inspection

Serial Number 80-002669

- 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
80-002669 Serial No. 8164.13 Version 1362.14 Display 7 CPLD
- M. Detector Voltages. Level 3 Func D Sub D
3 12736 s 2 C 47.0
9 12972 s 1 B 45 0 RFI Ind.
- N. Hot Keys
F5 Tone
F6 Green LED
F7 Red LED
F9 Fan
F10 Pump
F11 Sol Output
- O. RFI Dectector
- P. Atmospheric Monitor. Level 3 Func D Sub A. P 1009 CF 1.00

08/09

80-002669
P. 1 of 19
FM

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 166 F 0.000 L/s
 R. Temperature Monitor. Level 3 Func D Sub T
 C 47.0 A 47.0 I 0.0
 B 45.0 V 0.0
 S. Gas Tank Monitor. Level 3 Func D Sub G 663 psi Intox 650 psi Reg
 T. Configure Wet Bath Sim. Level 1 Func S
 U. Zero Alcohol Test Level 1 Func C
~~MRP~~ G10329 Sim SN — Lot 0.000 Rep Value
0.000 AC 0.000 AC 0.000 AC
 V. Low AC Test. Level 1 Func C
DR5190 Sim SN — Lot 0.021 Rep Value
0.018 AC 0.018 AC 0.018 AC
 W. Linearity Test. Level 1 Func C
DR5113 Sim SN — Lot 0.285 Rep Value
0.285 AC 0.287 AC 0.288 AC
 X. Interferent Test.
 Level 1 Func B
 Acetone DR5186 Sim SN — Lot 0.0507 Conc
✓ Display ✓ Printout
 Methanol DR3846 Sim SN — Lot 0.1076 Conc
✓ Display ✓ Printout
 IPA DR3840 Sim SN — Lot 0.1076 Conc
✓ Display ✓ Printout
 Y. Ambient Test
✓ Display ✓ Printout
 Z. Invalid Sample Test
✓ Display ✓ Printout
 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
0.0788 Ave. 0.0006 Std Dev 0.70 Rel Std Dev
 DD. Maintenance/Repairs Calib Opt Bench Calib Gas Software 8164.13

11 Dec 09
 Date
15 Dec 09
 Date

Mary Pearson
 Signature
Deb Kasher
 Reviewed by

08/09

80-002669
 P. 2 of 19
 JFM

TOXL
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-002669
 12/11/2009 10:57:26

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	0.1430	(-0.0180)	0.1130	(-0.0090)
Sample #2	0.0880	(0.0210)	0.0950	(0.0120)
Sample #3	0.0780	(0.0550)	0.0920	(0.0150)
Sample #4	0.1100	(0.0780)	0.0940	(0.0410)
Avg % Abs	0.0920	(0.0513)	0.0937	(0.0227)
STD DEV	0.0164	(0.0287)	0.0015	(0.0159)
REL STD DEV	17.794	(55.863)	1.631	(70.358)

 Solution = 0.041 g/210L or 0.1952 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.8520	(-0.0200)	1.5560	(-0.0080)
Sample #2	0.8530	(-0.0040)	1.5720	(-0.0090)
Sample #3	0.8660	(0.0070)	1.5560	(0.0020)
Sample #4	0.8520	(0.0210)	1.5500	(-0.0020)
Avg % Abs	0.8570	(0.0080)	1.5593	(-0.0030)
STD DEV	0.0078	(0.0125)	0.0114	(0.0056)
REL STD DEV	0.911	(156.625)	0.729	(185.592)

 Solution = 0.106 g/210L or 0.5048 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	1.9960	(0.0060)	3.8280	(0.0080)
Sample #2	2.0230	(-0.0030)	3.8480	(0.0040)
Sample #3	1.9980	(0.0300)	3.8260	(0.0410)
Sample #4	2.0580	(0.0070)	3.8630	(0.0120)
Avg % Abs	2.0263	(0.0113)	3.8457	(0.0190)
STD DEV	0.0301	(0.0169)	0.0186	(0.0195)
REL STD DEV	1.487	(149.306)	0.484	(102.463)

 Solution = 0.147 g/210L or 0.7000 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	2.7730	(-0.0320)	5.1890	(-0.0180)
Sample #2	2.7120	(0.0180)	5.1700	(0.0080)
Sample #3	2.7150	(0.0230)	5.1810	(0.0000)
Sample #4	2.7680	(-0.0030)	5.2110	(-0.0200)
Avg % Abs	2.7317	(0.0127)	5.1873	(-0.0040)
STD DEV	0.0315	(0.0138)	0.0212	(0.0144)
REL STD DEV	1.153	(108.917)	0.409	(360.555)

 Solution = 0.285 g/210L or 1.3571 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	5.1310	(-0.0180)	9.6690	(-0.0070)
Sample #2	5.0900	(0.0390)	9.6810	(0.0200)
Sample #3	5.1600	(0.0160)	9.7070	(0.0170)
Sample #4	5.1050	(0.0480)	9.7180	(0.0210)
Avg % Abs	5.1183	(0.0343)	9.7020	(0.0193)
STD DEV	0.0369	(0.0165)	0.0190	(0.0021)
REL STD DEV	0.720	(48.066)	0.196	(10.767)

80-002669 Map
 P.3-119 172 Calibration
 12-11-09
 p1082

TOXL
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-002669
 12/11/2009 10:57:26

Auto Calibration

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```

<<<<<      3um      >>>>>
-----
Zero Order Coef   -253.42
First Order Coef  2577.33
Second Order Coef  24.35
  
```

```

<<<<<      9um      >>>>>
-----
                -127.45
                1316.81
                9.84
  
```

```

-----
Act      Fit      Residual
(g/210L) (g/210L)  (g/210L)
0.000    -0.000    0.0003
0.041     0.041   -0.0004
0.106     0.106   -0.0005
0.147     0.146   0.0007
0.285     0.285  -0.0001
-----
  
```

```

-----
Act      Fit      Residual
(g/210L) (g/210L)  (g/210L)
0.000    -0.000    0.0001
0.041     0.041   0.0001
0.106     0.107  -0.0007
0.147     0.146   0.0007
0.285     0.285  -0.0001
-----
  
```

```

<<<<<      3um      >>>>>
-----
Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1
Sample
Sample #1          3175.00          3383.00
Sample #2          3211.00          3412.00
Sample #3          3166.00          3392.00
Sample #4          3243.00          3391.00
Avg                3206.6667          3398.3333
STD DEV            38.6825           11.8462
REL STD DEV        1.206           0.349
H2O adjust (mg/l*10k) 603           411
  
```

Atmospheric Pressure = 1010

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

Map
Calibration
12-11-09
P. J. J. 2
 80-002669
 P. 4/17/09

Intoxilyzer Test Record and Checklist
ND009 Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-002669
Location = TOXL 8164.13.00 06/09
12/11/2009 11:45

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

12 char/line
abcdefghijkl
ABCDEFGHIJKL

16 char per line
abcdefghijklmnop
ABCDEFGHIJKLMN

21 chars per line
abcdefghijklmnopqrstu
ABCDEFGHIJKLMNQRSTU

24 characters per line
abcdefghijklmnopqrstuwx
ABCDEFGHIJKLMNQRSTUWX

32 characters per line
abcdefghijklmnopqrstuwx123456
ABCDEFGHIJKLMNQRSTUWXYZ123456

42 characters per line
abcdefghijklmnopqrstuwx1234567890abcde
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 Manfull? Yes
of Print Copies? 1
Select Std. (D/W/I)? Dry
Standard Value? 0.080
Standard Lot #? 659356
Standard Cyl #? 19
Standard Expiration? 09/03/2011
Oper No? 107501

Flow Cal. Date: 09/10/2007
Slope: 762
Intercept: -608746

IR Calibration Date: 12/11/2009
3um 9um

0th Coef(+100): -25342 -12745
1st Coef(+100): 257733 131681
2nd Coef(+100): 2435 364
H2O adj(ng/l*10K): 603 411

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


Operator Signature
MARGY PEARSON

Remarks: *Print*

Form 106-18000

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-002669
Location = TOXL 8164.13.00 06/09
12/11/2009 11:54

Test	AC	Time
01 Room Air	0.000	11:55
02 *Subject Test	REF*	11:55
03 Room Air	0.000	11:56

*Subject Test Refused

Sub Name = DISCOVER, THE SPIRIT
Sub DOB = 01/01/1982
Sub Sex = Female Weight = 150
Test = DUI Cit = NA
Dr. Lic. = ND/DIS821456
Simul Ser No = 00000000
Std Sol No = 00000
County = 08 Oper No. = 107501



Operator Signature
MARGY PEARSON

Remarks:

Camera / Refusal

Form 106-18000

80-002669
P. 7/19/12

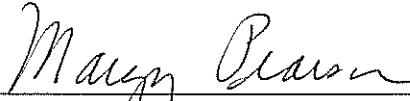
Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-002669
Location = TOXL 8164.13.00 06/09
12/11/2009 11:57

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

80-002669
P. 8/19/92

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

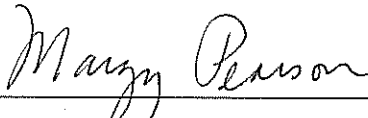
CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-002669
Location = TOXL 8164.13.00 06/09
12/11/2009 13:58

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	13:58
02 Std. Sol.	0.000	13:59
03 Room Air	0.000	14:00
04 Std. Sol.	0.000	14:01
05 Room Air	0.000	14:01
06 Std. Sol.	0.000	14:02
07 Room Air	0.000	14:02

08 Sim Temp = 34.0°C

Simul Ser No = 00000000
Std Sol No = 0000
County = 08 Oper No. = 107501



Operator Signature
MARGY PEARSON

Remarks:

Water 0.000 AC

Form 106-I8000

*80-002669
P. 9/17/14*

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-002669
Location = TOXL 8164.13.00 06/09
12/11/2009 14:07

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	14:10
02 Std. Sol.	0.018	14:11
03 Room Air	0.000	14:12
04 Std. Sol.	0.018	14:12
05 Room Air	0.000	14:13
06 Std. Sol.	0.018	14:14
07 Room Air	0.000	14:14

08 Sim Temp = 34.0°C

Simul Ser No = 00000000

Std Sol No = 0000

County = 08

Oper No. = 107501

Margy Pearson

Operator Signature
MARGY PEARSON

Remarks:

ACA Low - 0.021 AC

Form 106-I8000

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P. 10 of 19 1/2

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-002669
Location = TOXL 8164.13.00 06/09
12/11/2009 14:28

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	14:28
02 Std. Sol.	0.285	14:29
03 Room Air	0.000	14:30
04 Std. Sol.	0.287	14:30
05 Room Air	0.000	14:31
06 Std. Sol.	0.288	14:32
07 Room Air	0.000	14:32

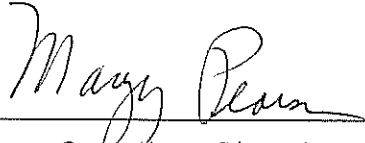
08 Sim Temp = 34.0°C

Simul Ser No = 00000000

Std Sol No = 0000

County = 08

Oper No. = 107501



Operator Signature
MARGY PEARSON

Remarks:

Linearity 0.285 AC

Form 106-18000

80-002669
P. 11/19/09

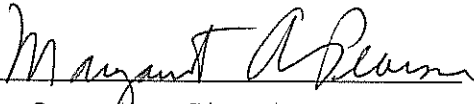
Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-002669
Location = TOXL 8164.13.00 06/09
12/11/2009 14:41

Test	AC	Time
01 Room Air	0.000	14:42
02 *Subject Test	INT*	14:43
03 Room Air	0.000	14:43

*Invalid Test
Interferent Detected

Sub Name = DISCOVER, THE SPIRIT
Sub DOB = 01/01/1982
Sub Sex = Female Weight = 150
Test = DUI Cit = NA
Dr. Lic. = ND/DIS821456
Simul Ser No = 00000000
Std Sol No = 0000
County = 08 Oper No. = 107501



Operator Signature
MARGY PEARSON

Remarks:

Interferent - Acetone

Form 106-I8000

*80-002669
P. 12 of 19 vsm*

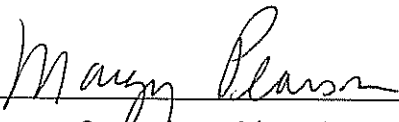
Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-002669
Location = TOXL 8164.13.00 06/09
12/11/2009 14:43

Test	AC	Time
01 Room Air	0.000	14:44
02 *Subject Test	INT*	14:45
03 Room Air	0.000	14:45

*Invalid Test
Interferent Detected

Sub Name = DISCOVER, THE SPIRIT
Sub DOB = 01/01/1982
Sub Sex = Female Weight = 150
Test = DUI Cit = NA
Dr. Lic. = ND/DIS821456
Simul Ser No = 00000000
Std Sol No = 0000
County = 08 Oper No. = 107501



Operator Signature
MARGY PEARSON

Remarks:

Interferent MeoH₂O

Form 106-I8000

80-002669
P.13/19/09

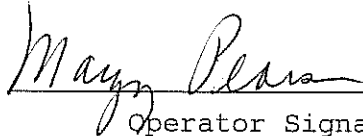
Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-002669
Location = TOXL 8164.13.00 06/09
12/11/2009 14:46

Test	AC	Time
01 Room Air	0.000	14:47
02 *Subject Test	INT*	14:48
03 Room Air	0.000	14:48

*Invalid Test
Interferent Detected

Sub Name = DISCOVER, THE SPIRIT
Sub DOB = 01/01/1982
Sub Sex = Female Weight = 150
Test = DUI Cit = NA
Dr. Lic. = ND/NA
Simul Ser No = 00000000
Std Sol No = 0000
County = 08 Oper No. = 107501



Operator Signature
MARGY PEARSON

Remarks:

Interferent IPA 0.1%

Form 106-I8000

*80-002669
P.194/195*

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-002669
Location = TOXL 8164.13.00 06/09
12/11/2009 15:08

Test	AC	Time
01 Room Air	AMB*	15:09
02 Room Air	0.000	15:10

*Invalid Test
Check Ambient Conditions

Sub Name = DISCOVER, THE SPIRIT
Sub DOB = 01/01/1982
Sub Sex = Female Weight = 150
Test = DUI Cit = NA
Dr. Lic. = ND/DIS821456
Lot No = 659358
Cyl No = 34
Expiration Date = 09/03/2011
County = 08 Oper No. = 107501



Operator Signature
MARGY PEARSON

Remarks:

Ambient fail

Form 106-I8000

80-002669
P.15-119 PM

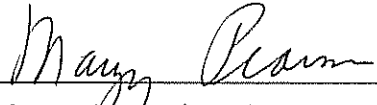
Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-002669
Location = TOXL 8164.13.00 06/09
12/11/2009 15:11

Test	AC	Time
01 Room Air	0.000	15:12
02 Invalid Sample	X.XXX	15:12
03 Room Air	0.000	15:13

*Invalid Test - Mouth Alcohol

Sub Name = DISCOVER, THE SPIRIT
Sub DOB = 01/01/1982
Sub Sex = Female Weight = 150
Test = DUI Cit = NA
Dr. Lic. = ND/DIS821456
Lot No = 659358
Cyl No = 34
Expiration Date = 09/03/2011
County = 08 Oper No. = 107501



Operator Signature
MARGY PEARSON

Remarks:

Invalid Sample

Form 106-18000

*80-002669
P. 16-19-11*

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-002669
Location = TOXL 8164.13.00 06/09
12/11/2009 14:48

Test	AC	Time
01 Diagnostic	OK	14:49
02 Room Air	RFI*	14:49
03 Room Air	0.000	14:50

*Invalid Test
Inhibited - RFI

Sub Name = DISCOVER, THE SPIRIT
Sub DOB = 01/01/1982
Sub Sex = Female Weight = 150
Test = DUI Cit = NA
Dr. Lic. = ND/DIS821456
Simul Ser No = 00000000
Std Sol No = 0000
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 Test

Form 106-I8000

*80-002669
0-17-11-11*

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-002669
Location = TOXL 8164.13.00 06/09
12/11/2009 12:10

Test	AC	Time
01 Room Air	0.000	12:10
02 Std. Gas	0.078	12:11
03 Room Air	0.000	12:11
04 Std. Gas	0.078	12:12
05 Room Air	0.000	12:12
06 Std. Gas	0.079	12:12
07 Room Air	0.000	12:13
08 Std. Gas	0.079	12:13
09 Room Air	0.000	12:14
10 Std. Gas	0.079	12:14
11 Room Air	0.000	12:15
12 Std. Gas	0.078	12:15
13 Room Air	0.000	12:16
14 Std. Gas	0.078	12:16
15 Room Air	0.000	12:16
16 Std. Gas	0.079	12:17
17 Room Air	0.000	12:17
18 Std. Gas	0.079	12:18
19 Room Air	0.000	12:18
20 Std. Gas	0.079	12:19
21 Room Air	0.000	12:19
22 Std. Gas	0.079	12:19
23 Room Air	0.000	12:20
24 Std. Gas	0.078	12:20
25 Room Air	0.000	12:21
26 Std. Gas	0.079	12:21
27 Room Air	0.000	12:22
28 Std. Gas	0.078	12:22
29 Room Air	0.000	12:22
30 Std. Gas	0.079	12:23
31 Room Air	0.000	12:23
32 Std. Gas	0.079	12:24
33 Room Air	0.000	12:24
34 Std. Gas	0.080	12:25
35 Room Air	0.000	12:25
36 Std. Gas	0.079	12:25
37 Room Air	0.000	12:26
38 Std. Gas	0.079	12:26
39 Room Air	0.000	12:27
40 Std. Gas	0.079	12:27
41 Room Air	0.000	12:28
42 Cal Check Stats:		
43 Average	0.0788	
44 Std Dev	0.0006	
45 Rel Std Dev	0.70%	

Stability Test
01 of 2
MAP

80-002669
P.18419 FH

Operator Signature
MARGY PEARSON

Remarks:

Lot 659358

Cyl 34

Form 106-18000

Exp 09/03/2011

Stability Test
p 2 of 2
MAP

80-002669
P.19/19 YPM