

**BREATH ALCOHOL EQUIPMENT  
REPAIR AND MAINTENANCE**

Instrument: 8000 Serial Number: 80-004186 Location: TOXL

1. Instrument repairs/maintenance performed:

ACA TEST: KNOWN CONTROLS WERE RUNNING LOW DURING CLASS  
: CALIBRATION ADJUSTMENT NEEDED.

2. Does the instrument require further testing? Yes or No  
If Yes, continue.  
If No, sign and date below.

3. If needed, set the time, date, and location. ✓

4. Does the flow need to be calibrated? Yes or No  
If Yes, attach paperwork.

5. Does the optical bench need to be calibrated? Yes or No  
If Yes, attach test records.

6. Does the gas regulator need to be calibrated? Yes or No  
PSI gauge reading -600 PSI display reading 593

Set instrument to Wet Bath and run tests:

7. Low AC. Use < 0.03 AC in ACA mode. Attach test record. ✓

Sim SN: MP 3066 Lot #: 15160 AC: 0.020  
Exp: 07-14-17

8. Linearity Test. Use ≥ 0.25 AC in ACA mode. Attach test record. ✓

Sim SN: MP3069 Lot #: 201408C AC: 0.300  
Exp: 8-12-16

Set instrument to Gas and run tests:

- 9. Print test. Attach test record. ✓
- 10. Interferent Check. Use a 0.10 AC ethanol plus 0.05% acetone in ABA mode. Attach test record. \_\_\_\_\_
- 11. RFI Check. Run in CMS mode. Key radio during any room air or subject test. Attach test record. ✓
- 12. Calibration Check. Use a valid 0.080 AC Ethanol Gas Standard. Run three calibration sets in ACA mode. Attach test records. \_\_\_\_\_

Sim SN: DR5135 Lot #: ICS4 AC: 0.10AC+0.05% ACETONE  
EXP: 9-9-17

Lot No. 19615080A5 Cylinder No. 003 Expiration Date 9-5-17

Test 1 <u>0.078</u>	Test 1 <u>0.078</u>	Test 1 <u>0.080</u>
Test 2 <u>0.080</u>	Test 2 <u>0.079</u>	Test 2 <u>0.079</u>
Test 3 <u>0.079</u>	Test 3 <u>0.078</u>	Test 3 <u>0.079</u>

Average 0.079

Charles E. Edin  
Field Inspector's Signature

12/10/15  
Date

Deb Shanaver  
Reviewed by

10 Dec 15  
Date

TOXL  
 Intoxilyzer - Alcohol Analyzer  
 Model 8000 SN 80-004186  
 12/10/2015 12:31:49

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	0.1040	(-0.0180)		0.2110	(0.0040)				0.000 AC
Sample #2	0.1390	(0.0110)		0.2150	(0.0220)				MILLI QH <sub>2</sub> O
Sample #3	0.1270	(0.0460)		0.2200	(0.0270)				MP 3067
Sample #4	0.1280	(0.0470)		0.2210	(0.0240)				
Avg % Abs	0.1313	(0.0347)		0.2187	(0.0243)				
STD DEV	0.0067	(0.0205)		0.0032	(0.0025)				
REL STD DEV	5.070	(59.140)		1.470	(10.342)				
Solution = 0.050 g/210L or 0.2381 mg/l, Samples = 4, Discarded = 1									
Sample	% Abs	(% Abs Ref)		% Abs	(% Abs Ref)				
Sample #1	0.9550	(0.0190)		1.9010	(0.0000)				0.050 AC
Sample #2	0.9890	(0.0300)		1.9300	(0.0160)				MP3062
Sample #3	1.0000	(0.0190)		1.9540	(0.0000)				LOT: 20/503J
Sample #4	1.0120	(0.0390)		1.9630	(0.0280)				EXP: 03-31-17
Avg % Abs	1.0003	(0.0293)		1.9490	(0.0147)				
STD DEV	0.0115	(0.0100)		0.0171	(0.0140)				
REL STD DEV	1.150	(34.148)		0.875	(95.779)				
Solution = 0.100 g/210L or 0.4762 mg/l, Samples = 4, Discarded = 1									
Sample	% Abs	(% Abs Ref)		% Abs	(% Abs Ref)				
Sample #1	1.8580	(0.0000)		3.5860	(-0.0090)				0.100 AC
Sample #2	1.8780	(0.0040)		3.5940	(0.0060)				MP3070
Sample #3	1.8900	(0.0000)		3.6140	(-0.0140)				LOT: 14030
Sample #4	1.8880	(0.0020)		3.5960	(0.0120)				EXP: 01-20-16
Avg % Abs	1.8853	(0.0020)		3.6013	(0.0013)				
STD DEV	0.0064	(0.0020)		0.0110	(0.0136)				
REL STD DEV	0.341	(100.000)		0.306	(1021.029)				
Solution = 0.200 g/210L or 0.9524 mg/l, Samples = 4, Discarded = 1									
Sample	% Abs	(% Abs Ref)		% Abs	(% Abs Ref)				
Sample #1	3.5410	(-0.0070)		6.7230	(0.0010)				0.200 AC
Sample #2	3.5420	(0.0260)		6.7070	(0.0200)				MP3065
Sample #3	3.5140	(0.0200)		6.7140	(0.0000)				LOT: 14130
Sample #4	3.5140	(0.0360)		6.7340	(0.0190)				EXP: 05-12-16
Avg % Abs	3.5233	(0.0273)		6.7183	(0.0130)				
STD DEV	0.0162	(0.0081)		0.0140	(0.0113)				
REL STD DEV	0.459	(29.572)		0.209	(86.688)				
Solution = 0.400 g/210L or 1.9048 mg/l, Samples = 4, Discarded = 1									
Sample	% Abs	(% Abs Ref)		% Abs	(% Abs Ref)				
Sample #1	6.7560	(-0.0020)		12.5990	(-0.0090)				0.400 AC
Sample #2	6.7550	(0.0230)		12.5860	(0.0310)				MP3068
Sample #3	6.8000	(0.0100)		12.6260	(0.0090)				LOT: 14102
Sample #4	6.8090	(0.0130)		12.6570	(0.0160)				EXP: 4-23-16
Avg % Abs	6.7880	(0.0153)		12.6230	(0.0187)				
STD DEV	0.0289	(0.0068)		0.0356	(0.0112)				
REL STD DEV	0.426	(44.393)		0.282	(60.213)				

*Charles Eder* 12/10/15

TOXL  
 Intoxilyzer - Alcohol Analyzer  
 Model 8000 SN 80-004186  
 12/10/2015 12:31:49

Auto Calibration

<<<< 3um >>>>  
 -----  
 Zero Order Coef -375.49  
 First Order Coef 2723.47  
 Second Order Coef 20.49

<<<< 9um >>>>  
 -----  
 Zero Order Coef -326.58  
 First Order Coef 1376.15  
 Second Order Coef 12.61

Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	-0.000	0.0004
0.050	0.050	0.0002
0.100	0.101	-0.0015
0.200	0.199	0.0010
0.400	0.400	-0.0002

Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	-0.001	0.0005
0.050	0.050	-0.0005
0.100	0.101	-0.0007
0.200	0.199	0.0008
0.400	0.400	-0.0001

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

<<<< 9um >>>>  
 -----  
 Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1

Sample	3um	9um	Notes
Sample #1	3371.00	3259.00	0.080 AC
Sample #2	3434.00	3315.00	
Sample #3	3425.00	3327.00	Lot: 29614080A <sup>2</sup> PCEL
Sample #4	3373.00	3264.00	
Avg	3410.6667	3302.0000	Exp. 12-5-16
STD DEV	32.9292	33.4515	
REL STD DEV	0.965	1.013	CYL: 006
H2O adjust (mg/l*10k)	399	507	

Atmospheric Pressure = 934

\*\*\*\*\*CALIBRATION SUCCESSFUL\*\*\*\*\*

*Charles Ed*  
 12/10/15

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

CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-004186  
Location = TOXL      8164.13.00 06/09  
12/10/2015      13:17

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	13:17
02 Std. Sol.	0.019	13:18
03 Room Air	0.000	13:18
04 Std. Sol.	0.019	13:19
05 Room Air	0.000	13:20
06 Std. Sol.	0.018	13:20
07 Room Air	0.000	13:21

08 Sim Temp = 34.0°C

Simul Ser No = MP3066  
Std Sol No = 15160  
County = 08      Oper No. = 666666



Operator Signature  
CHARLES EDER

Remarks:

*low AC*  
*0.020 AC*

Form 106-I8000

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

CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-004186  
Location = TOXL      8164.13.00 06/09  
12/10/2015      13:23

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	13:23
02 Std. Sol.	0.298	13:24
03 Room Air	0.000	13:25
04 Std. Sol.	0.298	13:25
05 Room Air	0.000	13:26
06 Std. Sol.	0.299	13:27
07 Room Air	0.000	13:27

08 Sim Temp = 34.0°C

Simul Ser No = MP3069  
Std Sol No = 201408C  
County = 08      Oper No. = 666666



Operator Signature  
CHARLES EDER

Remarks:      *LINEARITY CHECK*  
                    *0.300 AC*



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

CMI, Inc. Intoxilyzer            Alcohol Analyzer  
North Dakota Model 8000            SN 80-004186  
Location = TOXL                    8164.13.00 06/09  
12/10/2015                            13:30

Test	AC	Time
01 Room Air	0.000	13:31
02 *Subject Test	INT*	13:31
03 Room Air	0.000	13:32

\*Invalid Test  
Interferent Detected

Sub Name = DISCOVER, THE SPIRIT  
Sub DOB = 01/01/1982  
Sub Sex = Female                    Weight = 150  
Test = DUI                            Cit = INTERFERENT CHK  
Dr. Lic. = ND/DIS821456  
Lot No = 19615080A5  
Cyl No = 3  
Expiration Date = 09/05/2017  
County = 08                            Oper No. = 666666



Operator Signature  
CHARLES EDER

Remarks:

*Interferent Check*  
*0.10 AC + 0.05% ACETONE*



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

CMI, Inc. Intoxilyzer            Alcohol Analyzer  
North Dakota Model 8000            SN 80-004186  
Location = TOXL                    8164.13.00 06/09  
12/10/2015                            13:33

Test	AC	Time
01 Diagnostic	OK	13:33
02 Room Air	RFI*	13:34
03 Room Air	0.000	13:34

\*Invalid Test  
Inhibited - RFI

Sub Name = DISCOVER, THE SPIRIT  
Sub DOB = 01/01/1982  
Sub Sex = Female                    Weight = 150  
Test = DUI                            Cit = RFI CHECK  
Dr. Lic. = ND/DIS821456  
Lot No = 19615080A5  
Cyl No = 3  
Expiration Date = 09/05/2017  
County = 08                            Oper No. = 666666

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



Operator Signature  
CHARLES EDER

Remarks:

*RFI CHECK*

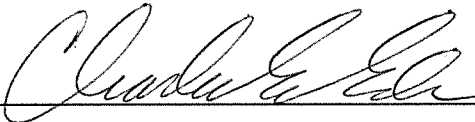
Intoxilyzer Test Record and Checklist  
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-004186  
Location = TOXL      8164.13.00 06/09  
12/10/2015      13:34

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	13:35
02 Std. Gas	0.078	13:35
03 Room Air	0.000	13:36
04 Std. Gas	0.080	13:36
05 Room Air	0.000	13:37
06 Std. Gas	0.079	13:37
07 Room Air	0.000	13:38

Lot No = 19615080A5  
Cyl No = 3  
Exp Date = 09/05/2017  
County = 08      Oper No. = 666666

  
\_\_\_\_\_  
Operator Signature  
CHARLES EDER

Remarks: *CALIBRATION CHECK*  
*0.080 AC*

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

CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-004186  
Location = TOXL      8164.13.00 06/09  
12/10/2015      13:39

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	13:40
02 Std. Gas	0.078	13:40
03 Room Air	0.000	13:41
04 Std. Gas	0.079	13:41
05 Room Air	0.000	13:41
06 Std. Gas	0.078	13:42
07 Room Air	0.000	13:42

Lot No = 19615080A5  
Cyl No = 3  
Exp Date = 09/05/2017  
County = 08      Oper No. = 666666



Operator Signature  
CHARLES EDER

Remarks: *CALIBRATION CHECK*

*0.080 AC*  
Form 106-I8000

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

CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-004186  
Location = TOXL      8164.13.00 06/09  
12/10/2015      13:43

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	13:43
02 Std. Gas	0.080	13:43
03 Room Air	0.000	13:44
04 Std. Gas	0.079	13:44
05 Room Air	0.000	13:45
06 Std. Gas	0.079	13:45
07 Room Air	0.000	13:46

Lot No = 19615080A5  
Cyl No = 3  
Exp Date = 09/05/2017  
County = 08      Oper No. = 666666



Operator Signature  
CHARLES EDER

Remarks: *CALIBRATION Check*  
*0.080 AC*