

BREATH ALCOHOL EQUIPMENT
REPAIR AND MAINTENANCE

Instrument: 8000 Serial Number: 80-004950 Location: TORL

1. Instrument repairs/maintenance performed:

ACA MODE = 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 603

Set instrument to Wet Bath and run tests:

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

Sim SN: MP3066 Lot #: 15160 AC: 0.020

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

Sim SN: MP3069 Lot #: 201408C AC: 0.300

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. ✓

Sim SN: DR5135 Lot #: ICS4 AC: 0.10AC + 0.05% ACE

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. ✓

Lot No. 1961508045 Cylinder No. 003 Expiration Date 09/05/2017

Test 1 0.079

Test 1 0.080

Test 1 0.080

Test 2 0.080

Test 2 0.080

Test 2 0.080

Test 3 0.081

Test 3 0.080

Test 3 0.080

Average 0.080

Charles E. Edin
Field Inspector's Signature

12/8/2015
Date

Deb Sheaver
Reviewed by

08 Dec 15
Date

cek
~~DKPD~~ **TOXL**

Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-004950
12/07/2015 16:13:46

Auto Calibration

pg 1 of 2

<<<<< 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	0.0730	(0.0040)	0.1490	(0.0150)
Sample #2	0.0640	(0.0440)	0.1460	(0.0310)
Sample #3	0.0450	(0.0870)	0.1530	(0.0300)
Sample #4	0.0870	(0.0840)	0.1910	(0.0380)
Avg % Abs	0.0653	(0.0717)	0.1633	(0.0330)
STD DEV	0.0210	(0.0240)	0.0242	(0.0044)
REL STD DEV	32.191	(33.498)	14.825	(13.209)

0.000 AC
MP 3067
MILLI-QH2O

Solution = 0.050 g/210L or 0.2381 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.8950	(0.0000)	1.7900	(-0.0200)
Sample #2	0.9240	(0.0070)	1.7520	(0.0340)
Sample #3	0.9140	(0.0130)	1.7410	(0.0220)
Sample #4	0.9190	(0.0200)	1.7190	(0.0460)
Avg % Abs	0.9190	(0.0133)	1.7373	(0.0340)
STD DEV	0.0050	(0.0065)	0.0168	(0.0120)
REL STD DEV	0.544	(48.798)	0.967	(35.294)

0.050 AC
MP 3062
LOT: 14020
EXP: 1/15/16

Solution = 0.100 g/210L or 0.4762 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	1.7430	(0.0070)	3.3540	(-0.0530)
Sample #2	1.7520	(0.0170)	3.3880	(-0.0670)
Sample #3	1.7720	(-0.0030)	3.4130	(-0.0790)
Sample #4	1.7500	(0.0190)	3.4090	(-0.0620)
Avg % Abs	1.7580	(0.0110)	3.4033	(-0.0693)
STD DEV	0.0122	(0.0122)	0.0134	(0.0087)
REL STD DEV	0.692	(110.596)	0.395	(12.601)

0.100 AC
MP 3070
LOT: 14030
EXP: 1/20/16

Solution = 0.200 g/210L or 0.9524 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	3.3530	(0.0130)	6.1920	(-0.0130)
Sample #2	3.3880	(0.0100)	6.4100	(-0.0930)
Sample #3	3.3980	(0.0000)	6.4690	(-0.1370)
Sample #4	3.3830	(0.0150)	6.4370	(-0.1180)
Avg % Abs	3.3897	(0.0083)	6.4387	(-0.1160)
STD DEV	0.0076	(0.0076)	0.0295	(0.0221)
REL STD DEV	0.225	(91.652)	0.459	(19.024)

0.200 AC
MP 3065
LOT: 14130
EXP: 5/12/16

Solution = 0.400 g/210L or 1.9048 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	6.5550	(0.0150)	12.0650	(-0.0170)
Sample #2	6.5890	(0.0270)	12.2030	(-0.0530)
Sample #3	6.5760	(0.0270)	12.2500	(-0.0790)
Sample #4	6.6060	(0.0180)	12.2230	(-0.0680)
Avg % Abs	6.5903	(0.0240)	12.2253	(-0.0667)
STD DEV	0.0150	(0.0052)	0.0236	(0.0131)
REL STD DEV	0.228	(21.651)	0.193	(19.577)

0.400 AC
MP 3068
LOT: 14102
EXP: 4/23/16

Charles E. Edr
12/7/15

CCE
~~DKPD~~ ~~TotL~~

Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-004950
12/07/2015 16:13:46

Auto Calibration

pg 2 of 2

<<<< 3um >>>>

<<<< 9um >>>>

Zero Order Coef -196.91
First Order Coef 2799.61
Second Order Coef 18.36

-212.81
1438.09
11.23

Act Fit Residual
(g/210L) (g/210L) (g/210L)
0.000 -0.000 0.0003
0.050 0.050 -0.0002
0.100 0.100 -0.0004
0.200 0.200 0.0004
0.400 0.400 -0.0001

Act Fit Residual
(g/210L) (g/210L) (g/210L)
0.000 0.000 -0.0005
0.050 0.049 0.0013
0.100 0.101 -0.0010
0.200 0.200 0.0002
0.400 0.400 0.0000

<<<< 3um >>>>

<<<< 9um >>>>

Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1

Sample			
Sample #1	3514.00	3608.00	0.080AC
Sample #2	3435.00	3458.00	Lot: 29614080A2
Sample #3	3555.00	3493.00	CYL: 006
Sample #4	3476.00	3488.00	Exp: 12/5/2016
Avg	3488.6667	3479.6667	
STD DEV	60.9945	18.9297	
REL STD DEV	1.748	0.544	
H2O adjust (mg/l*10k)	321	330	

Atmospheric Pressure = 943

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

Charles E. Edie
12/7/15

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004950
Location = TOXL 8164.13.00 06/09
12/07/2015 16:57

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	16:58
02 Std. Sol.	0.019	16:59
03 Room Air	0.000	16:59
04 Std. Sol.	0.019	17:00
05 Room Air	0.000	17:00
06 Std. Sol.	0.019	17:01
07 Room Air	0.000	17:02

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

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

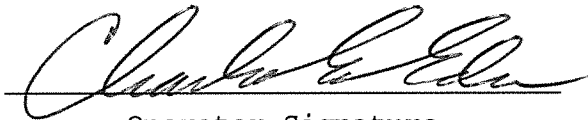
CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004950
Location = TOXL 8164.13.00 06/09
12/08/2015 13:34

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	13:34
02 Std. Sol.	0.296	13:35
03 Room Air	0.000	13:35
04 Std. Sol.	0.297	13:36
05 Room Air	0.000	13:37
06 Std. Sol.	0.297	13:37
07 Room Air	0.000	13:38

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 TEST*
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 80-004950
Location = TOXL 8164.13.00 06/09
12/08/2015 13:41

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

abcdefghijklmnopqrstuvwxyz1234567890-|=|
ABCDEFGHIJKLMNopqrstuvwxyz!@#\$\$%^&*()_+?

abcdefghijklmnopqrstuvwxyz1234567890-|=|
ABCDEFGHIJKLMNopqrstuvwxyz!@#\$\$%^&*()_+?

Current Instrument Setup

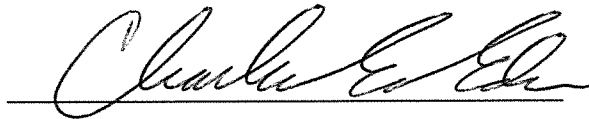
Data Entry Mode: Enabled
Start Test Sequence: DABACABA
Display Prelim Rslt? Yes
Display Third Digit? Yes
Inhib Printer(Y/N)? No
Display Volume? No
Disable On Memfull? Yes
of Print Copies? 1
Select Std (D/W/I)? Wet
Standard Value? 0.300
Standard Solution #? 201408C
Sim Serial #? MP3069
Oper No? 666666

Flow Cal. Date: 01/18/2010
Slope 774
Intercept -908904

IR Calibration Date: 12/07/2015
 3um 9um

0th Coef(*100): -19691 -21281
1st Coef(*100): 279961 143809
2nd Coef(*100): 1836 1123
H2O adj(mg/l*10k): 321 330

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



Operator Signature
CHARLES EDER

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 80-004950
Location = TOXL 8164.13.00 06/09
12/08/2015 13:45

Test	AC	Time
01 Room Air	0.000	13:46
02 *Subject Test	INT*	13:46
03 Room Air	0.000	13:47

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



Operator Signature
CHARLES EDER

Remarks:

Interferent Check
0.10AC + 0.05% ACETONE

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 80-004950
Location = TOXL 8164.13.00 06/09
12/08/2015 13:48

Test	AC	Time
01 Diagnostic	OK	13:49
02 Room Air	RFI*	13:49
03 Room Air	0.000	13:49

*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 = MP3069
Std Sol No = 201408C
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 80-004950
Location = TOXL 8164.13.00 06/09
12/08/2015 13:57

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	13:57
02 Std. Gas	0.079	13:58
03 Room Air	0.000	13:58
04 Std. Gas	0.080	13:59
05 Room Air	0.000	13:59
06 Std. Gas	0.081	14:00
07 Room Air	0.000	14:00

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 80-004950
Location = TOXL 8164.13.00 06/09
12/08/2015 14:00

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	14:01
02 Std. Gas	0.080	14:01
03 Room Air	0.000	14:02
04 Std. Gas	0.080	14:02
05 Room Air	0.000	14:03
06 Std. Gas	0.080	14:03
07 Room Air	0.000	14:04

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 80-004950
Location = TOXL 8164.13.00 06/09
12/08/2015 14:04

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	14:05
02 Std. Gas	0.080	14:05
03 Room Air	0.000	14:06
04 Std. Gas	0.080	14:06
05 Room Air	0.000	14:06
06 Std. Gas	0.080	14:07
07 Room Air	0.000	14:07

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