

BREATH ALCOHOL EQUIPMENT  
REPAIR AND MAINTENANCE

Instrument: 8000 Serial Number: 80-004197 Location: TOXL

1. Instrument repairs/maintenance performed:  
Calibration adjustment, repaired tear in breath hose outer sheath w/electrical tape.

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 477 PSI display reading 490

Set instrument to Wet Bath and run tests:

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

Sim SN: DR 3374 Lot #: 201501B AC: 0.020

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

Sim SN: DR 3841 Lot #: 201603A 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: DR5144 Lot #: ICS4 AC: 0.10 AC + 0.05% acetone

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. 19615080AS Cylinder No. 26 Expiration Date 09/05/2017

Test 1 0.082

Test 1 0.081

Test 1 0.079

Test 2 0.081

Test 2 0.080

Test 2 0.079

Test 3 0.082

Test 3 0.079

Test 3 0.079

Average 0.080

Deb Shanaver  
Field Inspector's Signature

20 Sept 16  
Date

Charles E. Ed  
Reviewed by

20 SEP. 16  
Date

TOXL  
 Intoxilyzer - Alcohol Analyzer  
 Model 8000 SN 80-004197  
 09/19/2016 13:53:49

Auto Calibration

	<<<<< 3um >>>>>		<<<<< 9um >>>>>		
	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	
Solution = 0.000 g/210L or 0.0000 mg/l, Samples = 4, Discarded = 1 0.000 AC					
Sample #1	0.0690	(0.0030)	0.1690	(-0.0020)	Milli-Q H <sub>2</sub> O
Sample #2	0.0950	(0.0490)	0.1960	(0.0050)	DR 3375
Sample #3	0.0450	(0.0910)	0.1590	(0.0370)	
Sample #4	0.0320	(0.1040)	0.1910	(0.0180)	
Avg % Abs	0.0573	(0.0813)	0.1820	(0.0200)	
STD DEV	0.0333	(0.0287)	0.0201	(0.0161)	
REL STD DEV	58.014	(35.343)	11.030	(80.467)	
Solution = 0.040 g/210L or 0.1905 mg/l, Samples = 4, Discarded = 1 0.040 AC					
Sample #1	0.7420	(0.0100)	1.5690	(0.0000)	Lot: 15080
Sample #2	0.7360	(-0.0030)	1.5770	(-0.0020)	Exp: 4/1/17
Sample #3	0.7430	(-0.0150)	1.5760	(-0.0010)	DR 3846
Sample #4	0.7530	(-0.0010)	1.5570	(0.0020)	
Avg % Abs	0.7440	(-0.0063)	1.5700	(-0.0003)	
STD DEV	0.0085	(0.0076)	0.0113	(0.0021)	
REL STD DEV	1.148	(119.556)	0.718	(624.500)	
Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1 0.080 AC					
Sample #1	1.4270	(-0.0020)	2.8850	(-0.0100)	Lot: 201504C
Sample #2	1.4420	(-0.0170)	2.8870	(-0.0100)	Exp: 28 Apr 17
Sample #3	1.3970	(0.0280)	2.8830	(0.0000)	DR 5131
Sample #4	1.4600	(-0.0030)	2.8980	(-0.0100)	
Avg % Abs	1.4330	(0.0027)	2.8893	(-0.0067)	
STD DEV	0.0324	(0.0230)	0.0078	(0.0058)	
REL STD DEV	2.264	(863.586)	0.269	(86.603)	
Solution = 0.150 g/210L or 0.7143 mg/l, Samples = 4, Discarded = 1 0.150 AC					
Sample #1	2.6070	(0.0080)	5.2140	(0.0080)	Lot: 15090
Sample #2	2.6450	(-0.0110)	5.2360	(0.0100)	Exp: 4/8/17
Sample #3	2.6530	(-0.0030)	5.2390	(0.0040)	DR 7089
Sample #4	2.5940	(0.0290)	5.2160	(0.0140)	
Avg % Abs	2.6307	(0.0050)	5.2303	(0.0093)	
STD DEV	0.0320	(0.0212)	0.0125	(0.0050)	
REL STD DEV	1.217	(423.320)	0.239	(53.927)	
Solution = 0.300 g/210L or 1.4286 mg/l, Samples = 4, Discarded = 1 0.300 AC					
Sample #1	5.0770	(-0.0150)	9.9310	(-0.0180)	Lot: 16060
Sample #2	5.1160	(0.0100)	9.9900	(0.0090)	Exp: 2/10/18
Sample #3	5.1410	(-0.0070)	10.0360	(0.0080)	DR 7111
Sample #4	5.1650	(0.0090)	10.0660	(0.0040)	
Avg % Abs	5.1407	(0.0040)	10.0307	(0.0070)	
STD DEV	0.0245	(0.0095)	0.0383	(0.0026)	
REL STD DEV	0.477	(238.485)	0.382	(37.796)	

Deb Shanaver

TOXL  
 Intoxilyzer - Alcohol Analyzer  
 Model 8000 SN 80-004197  
 09/19/2016 13:53:49

Auto Calibration

pg 2 of 2

<<<< 3um >>>>

<<<< 9um >>>>

-----  
 Zero Order Coef -150.20  
 First Order Coef 2741.16  
 Second Order Coef 12.98  
 -----

-----  
 -257.20  
 1379.66  
 6.99  
 -----

Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	0.000	-0.0001
0.040	0.040	0.0002
0.080	0.080	0.0001
0.150	0.150	-0.0002
0.300	0.300	0.0000

Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	-0.000	0.0001
0.040	0.040	-0.0004
0.080	0.080	0.0005
0.150	0.150	-0.0002
0.300	0.300	0.0000

<<<< 3um >>>>

<<<< 9um >>>>

Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1 0.080 AC  
 Sample Lot: 09216080A3  
 Sample #1 3537.00 3396.00 Exp: 5/5/2018  
 Sample #2 3652.00 3426.00 Cyl: 38  
 Sample #3 3476.00 3390.00  
 Sample #4 3623.00 3415.00  
 Avg 3583.6667 3410.3333  
 STD DEV 94.3628 18.4481  
 REL STD DEV 2.633 0.541  
 H2O adjust (mg/l\*10k) 226 399

Atmospheric Pressure = 954

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

Deb Shanaver

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

CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-004197  
Location = TOXL      8164.13.00 06/09  
09/19/2016      14:38

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	14:39
02 Std. Sol.	0.018	14:40
03 Room Air	0.000	14:40
04 Std. Sol.	0.018	14:41
05 Room Air	0.000	14:41
06 Std. Sol.	0.018	14:42
07 Room Air	0.000	14:43

08 Sim Temp = 34.0°C

Simul Ser No = DR3374

Std Sol No = 201501B

County = 08

Oper No. = 777777



Operator Signature

DEB SHANAVER

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 80-004197  
Location = TOXL      8164.13.00 06/09  
09/20/2016      13:14

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	13:15
02 Std. Sol.	0.292	13:16
03 Room Air	0.000	13:16
04 Std. Sol.	0.295	13:17
05 Room Air	0.000	13:17
06 Std. Sol.	0.296	13:18
07 Room Air	0.000	13:19

08 Sim Temp = 34.0°C

Simul Ser No = DR3841  
Std Sol No = 201603A  
County = 08      Oper No. = 777777

Deb Shanaver

Operator Signature  
DEB SHANAVER

Remarks:

Linearity test 0.300 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 80-004197  
Location = TOXL                    8164.13.00 06/09  
09/19/2016                            16:10

\*\*\*\*\* 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 #?        16060  
Sim Serial #?              MP3060  
Oper No?                    777777

Flow Cal. Date:              04/20/2016  
Slope                        593  
Intercept                    159813

IR Calibration Date:        09/19/2016  
                                  3um                    9um

-----  
0th Coef(\*100):            -15020                -25720  
1st Coef(\*100):            274116                137966  
2nd Coef(\*100):            1298                    699  
H2O adj(mg/l\*10k):        226                    399

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

  
-----  
Operator Signature  
DEB SHANAVER

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 80-004197  
Location = TOXL                8164.13.00 06/09  
09/19/2016                        16:37

Test	AC	Time
01 Room Air	0.000	16:38
02 *Subject Test	INT*	16:39
03 Room Air	0.000	16:39

\*Invalid Test  
Interferent Detected

Sub Name = DISCOVER, THE SPIRIT  
Sub DOB = 02/01/1992  
Sub Sex = Female                Weight = 150  
Test = DUI                        Cit = NA  
Dr. Lic. = ND/DIS921456  
Lot No = 19615080A5  
Cyl No = 26  
Expiration Date = 09/05/2017  
County = 08                        Oper No. = 777777

Deb Shanaver  
Operator Signature  
DEB SHANAVER

Remarks:

*Interferent detected 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 80-004197  
Location = TOXL      8164.13.00 06/09  
09/19/2016      16:16

Test	AC	Time
01 Diagnostic	OK	16:16
02 Room Air	RFI*	16:16
03 Room Air	0.000	16:17

\*Invalid Test  
Inhibited - RFI

Sub Name = DISCOVER, THE SPIRIT  
Sub DOB = 02/01/1992  
Sub Sex = Female      Weight = 150  
Test = DUI      Cit = NA  
Dr. Lic. = ND/DIS921456  
Simul Ser No = MP3060  
Std Sol No = 16060  
County = 08      Oper No. = 777777

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



Operator Signature  
DEB SHANAVER

Remarks:

RFI test

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 80-004197  
Location = TOXL      8164.13.00 06/09  
09/19/2016      16:19

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	16:20
02 Std. Gas	0.082	16:20
03 Room Air	0.000	16:20
04 Std. Gas	0.081	16:21
05 Room Air	0.000	16:21
06 Std. Gas	0.082	16:22
07 Room Air	0.000	16:22

Lot No = 19615080A5  
Cyl No = 26  
Exp Date = 09/05/2017  
County = 08      Oper No. = 777777

  
Operator Signature  
DEB SHANAVER

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 80-004197  
Location = TOXL      8164.13.00 06/09  
09/19/2016      16:23

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	16:24
02 Std. Gas	0.081	16:24
03 Room Air	0.000	16:25
04 Std. Gas	0.080	16:25
05 Room Air	0.000	16:26
06 Std. Gas	0.079	16:26
07 Room Air	0.000	16:26

Lot No = 19615080A5  
Cyl No = 26  
Exp Date = 09/05/2017  
County = 08      Oper No. = 777777



Operator Signature  
DEB SHANAVER

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 80-004197  
Location = TOXL      8164.13.00 06/09  
09/19/2016      16:28

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	16:28
02 Std. Gas	0.079	16:28
03 Room Air	0.000	16:29
04 Std. Gas	0.079	16:29
05 Room Air	0.000	16:30
06 Std. Gas	0.079	16:30
07 Room Air	0.000	16:31

Lot No = 19615080A5  
Cyl No = 26  
Exp Date = 09/05/2017  
County = 08      Oper No. = 777777

Deb Shanaver  
Operator Signature  
DEB SHANAVER

Remarks:

Calibration check 0.080 AC  
Form 106-I8000