INTOXILYZER® 8000 CALIBRATION ADJUSTMENT

Intoxilyzer® 8000 Serial Number: 80-003069 Location: TOXL

A. Flow Sensor Calibration and Verification Check (Level 3,M,C,F)
1. ☒ Replaced o-rings if damaged ADJUST & VERIFY
2. Flow Meter Serial Number: 40655 55260
3. Air Supplied to Intoxilyzer® 8000 at:
   a. ☒ 5 L/min ☒ 15 L/min ☒ 30 L/min
4. ☒ Flow Rate Calibration Printout Attached
   a. ☒ Correlation ≥ 0.99000
5. ☒ Flow Sensor Calibration Verification (Level 3,D,F)
   a. 10 L/min: 0. 156 L/S X 60 Sec/min = 9.36 L/min
   b. 20 L/min: 0. 324 L/S X 60 Sec/min = 19.2 L/min
   c. ☒ Flow Rates within ± 1 L/min of Expected Value

B. Gas Tank Sensor Check (Level 3,D,G)
1. Display: 975 psi Regulator: 975 psi
2. ☒ Display and Regulator within 50 psi
3. ☒ Completed tare of tank sensor if needed (Level 3,M,C,G) NA

C. Optical Bench Calibration and Verification Check (Level 3,M,C,O)
1. ☒ Autocalibration Printout Attached
   a. ☒ Max Power Res Value ≥ 10
   b. ☒ Auto Range Res Value ≥ 4
2. Simulator Solutions for Optical Bench Calibration Adjustment
   a. ☒ Set # Solutions to Run at 5

Soln.	g/210 L		Lot No.	Exp. Date	Simulator SN
1	NOM. 0.000	ACTUAL	NA – MilliQ H_2O	NA – MilliQ H_2O	MP5289
2	0.040	0.041	21GP41169	7.29.23	MP6041
3	0.080	0.080	21KP41174	11.9.23	MP6035
4	0.100	0.099	22BP41183	2.14.24	MP3048
5	0.300	0.301	202201F	1.18.24	MP3068

3. 0.100 AC Calibration Gas for H2O Adjustment
   a. Lot No. 07220100A1 Cyl No. 4 Exp. Date: 5/5/22
4. Atmospheric Pressure
   a. 952 mbar Displayed by Intoxilyzer® 8000
   b. 951 mbar Adjusted to using barometer
   c. 951 mbar on Auto Calibration Report printout
5. ☒ Screen displayed "Calibration Success"

6. ☒ Calibration Adjustment Printout Attached
   a. ☒ Solution 1 Avg % Abs ≤ 0.2500
   b. ☒ Solution 2-5 REL STD DEV ≤ 3.000
   c. ☒ Residual (g/210 L) Values for Solutions 1-5 ≤ 0.0020 for 3 µm and 9 µm channels
   d. ☒ Dry Gas H2O Adjustment Sum for 3 µm and 9 µm channels within ± 10

	Average		H_2O Adjust		
3 µm	4211	+	550	=	4761
9 µm	4434	+	327	=	4761

7. ☒ Optical Bench Calibration Verification (Level 1, S and C)
   a. Wet Calibration Check
      i. Low AC Known Value ≤ 0.03 AC: 0.020 AC
      Sim. SN: MP3070 Lot No.: 22CP4118A Exp. Date: 3.1.24
      ii. High AC Known Value ≥ 0.25 AC: 0.400 AC
      Sim. SN: MP3065 Lot No.: 202103E Exp. Date: 3.24.23
   b. Dry Calibration Check: Known Value 0.08 AC
      Lot No. 02621080A1 Cyl No. 2 Exp. Date: 3.5.23

Test 1	0.079 AC	Test 4	0.086 AC	Test 7	0.079 AC
Test 2	0.080 AC	Test 5	0.080 AC	Test 8	0.080 AC
Test 3	0.080 AC	Test 6	0.080 AC	Test 9	0.079 AC

      Average 0.080 AC

   c. ☒ Wet Calibration Check and Dry Calibration Check AC results are within ± 0.005 or ± 5% (whichever is greater) of stated value.

D. Remarks/Maintenance: CALIBRATION DUE TO TRAINING
BATTERY STATUS ISSUE WHEN UNPLUGGED

☐ Instrument is acceptable to be used in the field.

NO

Breath Analyst Signature

3/30/22
Date

Reviewed by

NA
Date

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-003069
Location = TOXL 8164.14.00 09/16
03/30/2022 10:06
Flow Rate Calibration********
1: Rate (Liters/min) = 5
SQRT(Diff)) = 7.414
2: Rate (Liters/min) = 15
SQRT(Diff)) = 12.121
3: Rate (Liters/min) = 30
SQRT(Diff)) = 21.906
Dependent Data Scale Factor = 100000 L/min
Independent Data Scale Factor = 256
Rounded Slope = 662
Rounded Intercept = -676090
Correlation = 0.99642

TOXL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-003069
03/30/2022 10:18:55

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	0.0900	(0.0050)	0.1150	(0.0020)
Sample #2	0.0670	(0.0360)	0.0980	(0.0090)
Sample #3	0.0720	(0.0470)	0.1040	(0.0210)
Sample #4	0.0960	(0.0310)	0.1110	(0.0090)
Avg % Abs	0.0783	(0.0380)	0.1043	(0.0130)
STD DEV	0.0155	(0.0082)	0.0065	(0.0069)
REL STD DEV	19.791	(21.540)	6.236	(53.294)
Solution = 0.041 g/210L or 0.1952 mg/l, Samples = 4, Discarded = 1				
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.8070	(-0.0200)	1.5630	(-0.0040)
Sample #2	0.7980	(-0.0040)	1.5630	(0.0060)
Sample #3	0.8060	(-0.0040)	1.5450	(0.0140)
Sample #4	0.7800	(0.0070)	1.5470	(0.0070)
Avg % Abs	0.7947	(-0.0003)	1.5517	(0.0090)
STD DEV	0.0133	(0.0064)	0.0099	(0.0044)
REL STD DEV	1.676	(1905.256)	0.636	(48.432)
Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1				
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	1.4280	(0.0030)	2.9080	(0.0000)
Sample #2	1.4320	(0.0110)	2.8940	(0.0190)
Sample #3	1.4540	(0.0020)	2.8960	(0.0170)
Sample #4	1.4710	(0.0070)	2.8930	(0.0300)
Avg % Abs	1.4523	(0.0067)	2.8943	(0.0220)
STD DEV	0.0196	(0.0045)	0.0015	(0.0070)
REL STD DEV	1.346	(67.639)	0.053	(31.818)
Solution = 0.099 g/210L or 0.4714 mg/l, Samples = 4, Discarded = 1				
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	1.8060	(-0.0170)	3.6000	(0.0020)
Sample #2	1.7820	(0.0070)	3.5840	(0.0070)
Sample #3	1.8200	(-0.0070)	3.5950	(0.0190)
Sample #4	1.8090	(0.0040)	3.5950	(0.0160)
Avg % Abs	1.8037	(0.0013)	3.5913	(0.0140)
STD DEV	0.0196	(0.0074)	0.0064	(0.0062)
REL STD DEV	1.084	(552.834)	0.177	(44.607)
Solution = 0.301 g/210L or 1.4333 mg/l, Samples = 4, Discarded = 1				
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	5.0270	(-0.0020)	9.9460	(0.0120)
Sample #2	5.0210	(0.0360)	9.9580	(0.0410)
Sample #3	5.0640	(0.0140)	9.9350	(0.0560)
Sample #4	5.0500	(0.0150)	9.9490	(0.0350)
Avg % Abs	5.0450	(0.0217)	9.9473	(0.0440)
STD DEV	0.0219	(0.0124)	0.0116	(0.0108)
REL STD DEV	0.435	(57.337)	0.117	(24.583)

TOXL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-003069
03/30/2022 10:18:55

Auto Calibration

	<<<<< 3um >>>>>		<<<<< 9um >>>>>	
Zero Order Coef	-201.51		-123.25	
First Order Coef	2672.93		1303.83	
Second Order Coef	41.19		15.00	
	Act (g/210L)	Fit (g/210L)	Act (g/210L)	Fit (g/210L)
	0.000	0.000	0.000	0.000
	0.041	0.041	0.041	0.041
	0.080	0.079	0.080	0.079
	0.099	0.100	0.099	0.100
	0.301	0.301	0.301	0.301

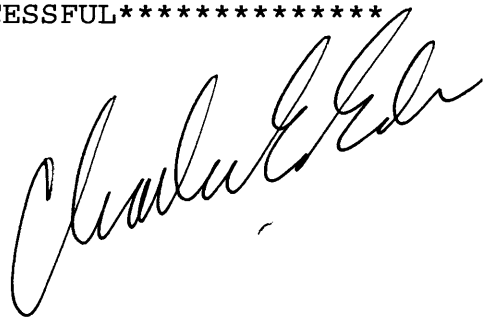
	<<<<< 3um >>>>>	<<<<< 9um >>>>>
Residual (g/210L)	-0.0002	-0.0003
	0.0001	0.0003
	0.0009	0.0007
	-0.0008	-0.0008
	0.0000	0.0001

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

Sample		
Sample #1	4245.00	4411.00
Sample #2	4148.00	4431.00
Sample #3	4244.00	4437.00
Sample #4	4241.00	4435.00
Avg	4211.0000	4434.3335
STD DEV	54.5802	3.0551
REL STD DEV	1.296	0.069
H2O adjust (mg/l*10k)	550	327

Atmospheric Pressure = 951

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



TOXL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-003069
03/30/2022 10:18:55

Auto Calibration
Max Power Res Value = 27
Auto Range Res Value = 16

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

CMI, Inc. Intoxilyzer — Alcohol Analyzer
North Dakota Model 8000 — SN 80-003069
Location = TOXL — 8164.14.00 09/16
03/30/2022 — 11:13

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	11:14
02 Std. Sol.	0.020	11:15
03 Room Air	0.000	11:15
04 Std. Sol.	0.020	11:16
05 Room Air	0.000	11:16
06 Std. Sol.	0.020	11:17
07 Room Air	0.000	11:18

08 Sim Temp = 34.0°C

Simul Ser No = MP3070
Std Sol No = 22CP41184
County = 08 — Oper No. = 123456

Operator Signature
N/A STUDENT

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 80-003069
Location = TOXL — 8164.14.00 09/16
03/30/2022 — 11:19

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	11:20
02 Std. Sol.	0.401	11:21
03 Room Air	0.000	11:21
04 Std. Sol.	0.402	11:22
05 Room Air	0.000	11:22
06 Std. Sol.	0.403	11:23
07 Room Air	0.000	11:24

08 Sim Temp = 34.0°C

Simul Ser No = MP3065
Std Sol No = 202103E
County = 08 — Oper No. = 123456

Operator Signature
N/A STUDENT

Remarks: HIGH AC
0.400 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 80-003069
Location = TOXL — 8164.14.00 09/16
03/30/2022 — 11:25

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	11:26
02 Std. Gas	0.079	11:26
03 Room Air	0.000	11:27
04 Std. Gas	0.080	11:27
05 Room Air	0.000	11:28
06 Std. Gas	0.080	11:28
07 Room Air	0.000	11:29

Lot No = 02621080A1
Cyl No = 2
Exp Date = 03/05/2023
County = 08 — Oper No. = 123456

Operator Signature
N/A STUDENT

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 80-003069
Location = TOXL — 8164.14.00 09/16
03/30/2022 — 11:29

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	11:29
02 Std. Gas	0.080	11:30
03 Room Air	0.000	11:30
04 Std. Gas	0.080	11:31
05 Room Air	0.000	11:31
06 Std. Gas	0.080	11:32
07 Room Air	0.000	11:32

Lot No = 02621080A1
Cyl No = 2
Exp Date = 03/05/2023
County = 08 — Oper No. = 123456

Operator Signature
N/A STUDENT

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 80-003069
Location = TOXL — 8164.14.00 09/16
03/30/2022 — 11:32

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	11:33
02 Std. Gas	0.079	11:33
03 Room Air	0.000	11:34
04 Std. Gas	0.080	11:34
05 Room Air	0.000	11:35
06 Std. Gas	0.079	11:35
07 Room Air	0.000	11:35

Lot No = 02621080A1
Cyl No = 2
Exp Date = 03/05/2023
County = 08 — Oper No. = 123456

Operator Signature
N/A STUDENT

Remarks: CALIBRATION CHECK
0.080 AC

Form 106-I8000