INTOXILYZER® 8000 CALIBRATION ADJUSTMENT

Intoxilyzer® 8000 Serial Number: 80-004204 Location: TOXL

A. Flow Sensor Calibration and Verification Check (Level 3,M,C,F)
1. ☒ Replaced o-rings if damaged VERIFY, ADJUST
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. 167 L/S X 60 Sec/min = 10.02 L/min
   b. 20 L/min: 0. 320 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: 669 psi Regulator: 700 psi
2. ☒ Display and Regulator within 50 psi
3. ☒ Completed tare of tank sensor if needed (Level 3,M,C,G)

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	0.000 (ACTUAL)	NA – MilliQ H_2O	NA – MilliQ H_2O	DR7111
2	0.040	20060	2·10·22	DR7347
3	0.080	19100	3·26·21	DR5114
4	0.150	20150	3·16·22	DR5131
5	0.300 (0.298)	20030	1·21·22	DR7346

3. 0.100 AC Calibration Gas for H2O Adjustment
   a. Lot No. 13518100 A3 Cyl No. 6 Exp. Date: 8/5/20
4. Atmospheric Pressure
   a. 947 mbar Displayed by Intoxilyzer® 8000
   b. 957 mbar Adjusted to using barometer
   c. 957 mbar on Auto Calibration Report printout
5. ☒ Screen displayed "Calibration Success"

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

	Average		H_2O Adjust		
3 µm	4245	+	516	=	4761
9 µm	4278	+	483	=	4761

7. [X] 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: MP3061 Lot No.: 201810D Exp. Date: 10.24.20
      ii. High AC Known Value ≥ 0.25 AC: 0.250 AC
      Sim. SN: MP3067 Lot No.: 201911B Exp. Date: 11.5.21
   b. Dry Calibration Check: Known Value 0.08 AC
      Lot No. 13518080A6 Cyl No. 33 Exp. Date: 8.5.20

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

      Average 0.080 AC

   c. [X] 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 ADJUSTMENT DUE TO ATMOSPHERIC MONITOR READING 947 mbar BUT ACTUAL ATMOSPHERIC PRESSURE IS 957 mbar.

[X] Instrument is acceptable to be used in the field.

Breath Analyst Signature — Date: 4.15.20

Reviewed by: NA — Date: NA

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004204
Location = TOXL 8164.14.00 09/16
04/15/2020 09:00
Flow Rate Calibration********
1: Rate (Liters/min) = 5
SQRT(Diff)) = 7.348
2: Rate (Liters/min) = 15
SQRT(Diff)) = 12.367
3: Rate (Liters/min) = 30
SQRT(Diff)) = 22.043
Dependent Data Scale Factor = 100000 L/min
Independent Data Scale Factor = 256
Rounded Slope = 657
Rounded Intercept = -673032
Correlation = 0.99782

TOXL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-004204
04/15/2020 09:28:37

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	0.1550	(0.0110)	0.2370	(-0.0170)
Sample #2	0.1340	(0.0500)	0.2350	(-0.0060)
Sample #3	0.1060	(0.0840)	0.1890	(0.0300)
Sample #4	0.1020	(0.0960)	0.2160	(0.0180)
Avg % Abs	0.1140	(0.0767)	0.2133	(0.0140)
STD DEV	0.0174	(0.0239)	0.0231	(0.0183)
REL STD DEV	15.294	(31.123)	10.835	(130.931)
Solution = 0.040 g/210L or 0.1905 mg/l, Samples = 4, Discarded = 1				
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.8210	(-0.0120)	1.5890	(-0.0110)
Sample #2	0.8290	(0.0280)	1.5990	(0.0020)
Sample #3	0.8350	(0.0300)	1.6160	(0.0070)
Sample #4	0.8050	(0.0280)	1.5840	(0.0240)
Avg % Abs	0.8230	(0.0287)	1.5997	(0.0110)
STD DEV	0.0159	(0.0012)	0.0160	(0.0115)
REL STD DEV	1.929	(4.028)	1.001	(104.841)
Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1				
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	1.6010	(-0.0290)	2.9930	(-0.0140)
Sample #2	1.5360	(0.0140)	2.9750	(0.0070)
Sample #3	1.5880	(0.0000)	3.0040	(0.0030)
Sample #4	1.5680	(0.0040)	2.9820	(0.0080)
Avg % Abs	1.5640	(0.0060)	2.9870	(0.0060)
STD DEV	0.0262	(0.0072)	0.0151	(0.0026)
REL STD DEV	1.677	(120.185)	0.507	(44.096)
Solution = 0.150 g/210L or 0.7143 mg/l, Samples = 4, Discarded = 1				
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	2.7860	(-0.0230)	5.3140	(-0.0230)
Sample #2	2.7610	(0.0100)	5.2880	(0.0240)
Sample #3	2.7430	(0.0200)	5.3040	(0.0160)
Sample #4	2.7410	(0.0140)	5.2740	(0.0310)
Avg % Abs	2.7483	(0.0147)	5.2887	(0.0237)
STD DEV	0.0110	(0.0050)	0.0150	(0.0075)
REL STD DEV	0.401	(34.317)	0.284	(31.714)
Solution = 0.298 g/210L or 1.4190 mg/l, Samples = 4, Discarded = 1				
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	5.2960	(0.0160)	9.8910	(0.0140)
Sample #2	5.2890	(0.0390)	9.9480	(0.0200)
Sample #3	5.2880	(0.0370)	9.9890	(0.0070)
Sample #4	5.3320	(0.0090)	9.9610	(0.0050)
Avg % Abs	5.3030	(0.0283)	9.9660	(0.0107)
STD DEV	0.0251	(0.0168)	0.0210	(0.0081)
REL STD DEV	0.474	(59.199)	0.210	(76.355)

TOXL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-004204
04/15/2020 09:28:37

Auto Calibration

	<<<<< 3um >>>>>	<<<<< 9um >>>>>
Zero Order Coef	-310.94	-287.30
First Order Coef	2653.31	1346.30
Second Order Coef	15.55	10.69

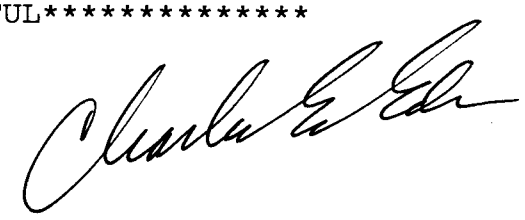
Act (g/210L)	Fit (g/210L)	Residual (g/210L)	Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	-0.000	0.0002	0.000	0.000	-0.0000
0.040	0.040	0.0005	0.040	0.040	0.0002
0.080	0.081	-0.0014	0.080	0.080	-0.0004
0.150	0.149	0.0009	0.150	0.150	0.0002
0.298	0.298	-0.0001	0.298	0.298	-0.0000

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

Sample	<<<<< 3um >>>>>	<<<<< 9um >>>>>
Sample #1	4272.00	4265.00
Sample #2	4291.00	4290.00
Sample #3	4166.00	4248.00
Sample #4	4280.00	4298.00
Avg	4245.6665	4278.6665
STD DEV	69.2122	26.8576
REL STD DEV	1.630	0.628
H2O adjust (mg/l*10k)	516	483

Atmospheric Pressure = 957

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



TOXL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-004204
04/15/2020 09:28:37

Auto Calibration
Max Power Res Value = 33
Auto Range Res Value = 22

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

CMI, Inc. Intoxilyzer — Alcohol Analyzer
North Dakota Model 8000 — SN 80-004204
Location = TOXL — 8164.14.00 09/16
04/15/2020 — 10:14

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	10:15
02 Std. Sol.	0.019	10:15
03 Room Air	0.000	10:16
04 Std. Sol.	0.019	10:17
05 Room Air	0.000	10:17
06 Std. Sol.	0.019	10:18
07 Room Air	0.000	10:18

08 Sim Temp = 34.0°C

Simul Ser No = MP3061
Std Sol No = 201810D
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 80-004204
Location = TOXL 8164.14.00 09/16
04/15/2020 10:20

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	10:20
02 Std. Sol.	0.248	10:21
03 Room Air	0.000	10:22
04 Std. Sol.	0.248	10:22
05 Room Air	0.000	10:23
06 Std. Sol.	0.248	10:24
07 Room Air	0.000	10:24

08 Sim Temp = 34.0°C

Simul Ser No = MP3067
Std Sol No = 201911B
County = 08 Oper No. = 666666

Operator Signature
CHARLES EDER

Remarks: HIGH AC
0.250 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 80-004204
Location = TOXL — 8164.14.00 09/16
04/15/2020 — 10:26

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	10:27
02 Std. Gas	0.079	10:27
03 Room Air	0.000	10:28
04 Std. Gas	0.079	10:28
05 Room Air	0.000	10:29
06 Std. Gas	0.080	10:29
07 Room Air	0.000	10:30

Lot No = 13518080A6
Cyl No = 33
Exp Date = 08/05/2020
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 80-004204
Location = TOXL — 8164.14.00 09/16
04/15/2020 — 10:31

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	10:32
02 Std. Gas	0.080	10:32
03 Room Air	0.000	10:33
04 Std. Gas	0.080	10:33
05 Room Air	0.000	10:33
06 Std. Gas	0.080	10:34
07 Room Air	0.000	10:34

Lot No = 13518080A6
Cyl No = 33
Exp Date = 08/05/2020
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 80-004204
Location = TOXL — 8164.14.00 09/16
04/15/2020 — 10:34

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	10:35
02 Std. Gas	0.080	10:35
03 Room Air	0.000	10:36
04 Std. Gas	0.080	10:36
05 Room Air	0.000	10:37
06 Std. Gas	0.080	10:37
07 Room Air	0.000	10:38

Lot No = 13518080A6
Cyl No = 33
Exp Date = 08/05/2020
County = 08 — Oper No. = 666666

Operator Signature
CHARLES EDER

Remarks: CALIBRATION CHECK
0.080 AC

Form 106-I8000