



Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Miami Dade Police Department S/N 80-000881Date In 01/23/2017Date Out 01/24/2017☒ Ship ☐ P/U ☐ H/D ☐ CMI ☐ EE

Intake Performed By DELL

☐ Registration

☒ Annual

☐ Return from CMI

☐ Return from Enforcement

Electronics

☐ Other _____

Visual Inspection:

OK Case OK Handle

OK Dry Gas Holder OK Feet

OK Keyboard/Plug OK Back/Plugs

OK Screws tight OK Breath Hose

Other Equipment:

- ☐ Power cord
- ☐ Printer Cable
- ☒ Other AND STATIC BAG

Notes: _____

Quality Checks Performed By DELL

☒ Breath Tube Screen

☒ Replace O-Rings

☒ Instrument Set Up Verified

☒ R-Value 253

☒ Flow Verification (L/s)

Flow Column # ATA101

32mm 139 (.139 - .169)

36mm 154 (.156 - .190)

53mm 228 (.228 - .278)

103mm 500 (.447 - .547)

☒ Barometric Pressure Check

Gauge ID # 28663

☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	SD3967	201603D 03/08/2018
0.08	SD3968	201601F 01/26/2018
0.20	SD3969	201604C 04/05/2018
0.08 DGS	N/A	AG605301 02/22/2018

Flow Calibration Performed By DELL

☐ Flow Calibration N/A

☒ Flow Calibration Complete

Flow Column # ATA106

☒ 5L/min - 17mm

☒ 15L/min - 53mm

☒ 30L/min - 103mm

☒ R-Value 252

☒ Post Calibration Verification (L/s)

Flow Column # ATA104

32mm 144 (.139 - .169)

36mm 164 (.156 - .190)

53mm 230 (.228 - .278)

103mm 507 (.447 - .547)

Maintenance Performed By DELL

- ☐ Battery Replacement
- ☒ Dry Gas Regulator Replacement
- ☐ Breath Tube Replacement
- ☐ Other _____

Suggested Service**Optical Bench Calibration** Performed By DELL

- ☐ Optical Bench Calibration N/A
- ☒ Optical Bench Calibration Complete
- Barometric Pressure Gauge 1014 ID # 68639

Simulator	Serial Number	Lot Number	Expiration
0.000	2235	N/A	N/A
0.040	2236	16101	02/02/2018
0.100	2237	15001	05/20/2017
0.200	2238	15104	05/27/2017
0.400	2239	16102	03/22/2018
0.080 DGS	N/A	03415080A1	03/05/2017

☒ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD3967	201603D	03/08/2018
0.08	SD3968	201601F	01/26/2018
0.20	SD3969	201604C	04/05/2018
0.08 DGS	N/A	AG605301	02/22/2018

Department Inspection Performed By DELL

- ☒ Barometric Pressure 1017 Gauge
- ID # 68639 DELL 1016 Instrument
- 28199

Mouth Alcohol Solution Lot # 2016-A

Acetone Stock Solution Lot # 2016-B

Simulator	Serial Number
0.00	SD3965
Interferent	SD3966
0.05	SD3967
0.08	SD3968
0.20	SD3969

Attachments

- ☒ Form 41
- ☒ Pre-Stability Tests
- ☒ Flow Calibration
- ☒ Optical Bench Cal
- ☒ Post-Stability Tests
- ☐ Other _____

Notes: 01/25/2017

Calibrated flow and optical to bring values closer to nominal.

PA/OC OKG 2/8/2017

Brett Hurland

Quality Control Review

- ☒ Instrument Complies with Chapter 11D-8, FAC
- ☐ Instrument Does Not Comply with Chapter 11D-8, FAC
- ☒ Return to/Place into Evidentiary Use
- ☐ Remain Out of Evidentiary Use
- ☒ Conduct an Agency Inspection Before Evidentiary Use

Date 2/10/17

Revised November 2012

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Post Stabilities	80-000881	Miami Police Department	1/25/2017	<i>AK</i>

0.05g/210L 0.047 to 0.053 ☒	0.08g/210L 0.077 to 0.083 ☒	0.20g/210L 0.194 to 0.206 ☒	DGS 0.08g/210L 0.077 to 0.083 ☒
MIAMI DADE PD Intoxilyzer - Alcotest Analyzer Model 8000 SN 80-000881 01/25/2017 Software: 8100.27 Test g/210L Time Air Blank 0.000 09:29 Control Test 0.050 09:29 Air Blank 0.000 09:30 Control Test 0.050 09:31 Air Blank 0.000 09:31 Control Test 0.050 09:32 Air Blank 0.000 09:32 Control Test Stats Average 0.0500 Std Dev 0.0000 Rel Std Dev(%) 0.0000 <i>AK</i> Operator's Signature	MIAMI DADE PD Intoxilyzer - Alcotest Analyzer Model 8000 SN 80-000881 01/25/2017 Software: 8100.27 Test g/210L Time Air Blank 0.000 09:34 Control Test 0.079 09:34 Air Blank 0.000 09:35 Control Test 0.079 09:35 Air Blank 0.000 09:36 Control Test 0.079 09:37 Air Blank 0.000 09:37 Control Test Stats Average 0.0790 Std Dev 0.0000 Rel Std Dev(%) 0.0000 <i>AK</i> Operator's Signature	MIAMI DADE PD Intoxilyzer - Alcotest Analyzer Model 8000 SN 80-000881 01/25/2017 Software: 8100.27 Test g/210L Time Air Blank 0.000 09:40 Control Test 0.197 09:41 Air Blank 0.000 09:41 Control Test 0.199 09:42 Air Blank 0.000 09:42 Control Test 0.200 09:43 Air Blank 0.000 09:44 Control Test Stats Average 0.1987 Std Dev 0.0015 Rel Std Dev(%) 0.7689 <i>AK</i> Operator's Signature	MIAMI DADE PD Intoxilyzer - Alcotest Analyzer Model 8000 SN 80-000881 01/25/2017 Software: 8100.27 Test g/210L Time Air Blank 0.000 09:46 Control Test 0.081 09:46 Air Blank 0.000 09:46 Control Test 0.080 09:47 Air Blank 0.000 09:47 Control Test 0.080 09:47 Air Blank 0.000 09:48 Control Test Stats Average 0.0803 Std Dev 0.0006 Rel Std Dev(%) 0.7187 <i>AK</i> Operator's Signature

AK

MIAMI Dade PD
Intoxilyzer - Alcohol Analyzer
Model 8000
01/25/2017
SN 80-000881
07:55:18

Auto Calibration
Max Power Res Value = 57
Auto Range Res Value = 31

Sol Value = 0.000 g/210L ***
Fit Value = 0.0000 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12648, Sum Io = 13994

Channel 1
Sample % Abs (% Abs Ref)
Sample #1 = 0.0600 (-0.0190)
Sample #2 = 0.0340 (-0.0420)
Sample #3 = 0.0530 (-0.0890)
Sample #4 = 0.0460 (-0.1040)
Avg % Abs = 0.0443 (-0.0783)
STD DEU = 0.0096 (-0.0323)
REL STD DEU = 21.674 (41.294)

Channel 2
Sample % Abs (% Abs Ref)
Sample #1 = 0.0860 (-0.0200)
Sample #2 = 0.0710 (-0.0140)
Sample #3 = 0.0820 (-0.0840)
Sample #4 = 0.0660 (-0.0000)
Avg % Abs = 0.0730 (-0.0161)
STD DEU = 0.0082 (-0.0072)
REL STD DEU = 11.213 (120.185)

Sol Value = 0.040 g/210L ***
Fit Value = 0.1905 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12627, Sum Io = 13990
Channel 1
Sample % Abs (% Abs Ref)
Sample #1 = 0.7160 (-0.0120)
Sample #2 = 0.6890 (-0.0550)
Sample #3 = 0.7120 (-0.0720)
Sample #4 = 0.7320 (-0.0720)
Avg % Abs = 0.7110 (-0.0663)
STD DEU = 0.0215 (-0.0099)
REL STD DEU = 3.026 (14.796)

Channel 2
Sample % Abs (% Abs Ref)
Sample #1 = 1.4550 (-0.0160)
Sample #2 = 1.4440 (-0.0180)
Sample #3 = 1.4290 (-0.0380)
Sample #4 = 1.4510 (-0.0210)
Avg % Abs = 1.4413 (-0.0257)
STD DEU = 0.0112 (-0.0108)
REL STD DEU = 0.780 (42.023)

Sol Value = 0.100 g/210L ***
Fit Value = 0.4762 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12612, Sum Io = 13964

Channel 1
Sample % Abs (% Abs Ref)
Sample #1 = 1.7690 (-0.0170)
Sample #2 = 1.7330 (-0.0190)
Sample #3 = 1.7400 (-0.0670)
Sample #4 = 1.7410 (-0.0680)
Avg % Abs = 1.7380 (-0.0513)
STD DEU = 0.0044 (-0.0280)
REL STD DEU = 0.251 (54.557)

Channel 2
Sample % Abs (% Abs Ref)
Sample #1 = 3.5380 (-0.0190)
Sample #2 = 3.5320 (-0.0030)
Sample #3 = 3.5410 (-0.0200)
Sample #4 = 3.5490 (-0.0140)
Avg % Abs = 3.5407 (-0.0103)
STD DEU = 0.0085 (-0.0119)
REL STD DEU = 0.240 (115.455)

Sol Value = 0.200 g/210L ***
Fit Value = 0.9524 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12600, Sum Io = 13974
Channel 1
Sample % Abs (% Abs Ref)
Sample #1 = 3.3730 (-0.0080)
Sample #2 = 3.3750 (-0.0420)
Sample #3 = 3.3640 (-0.0420)
Sample #4 = 3.3420 (-0.0540)
Avg % Abs = 3.3603 (-0.0460)
STD DEU = 0.0168 (-0.0069)
REL STD DEU = 0.500 (15.061)

Channel 2
Sample % Abs (% Abs Ref)
Sample #1 = 6.7870 (-0.0060)
Sample #2 = 6.7960 (-0.0130)
Sample #3 = 6.7800 (-0.0150)
Sample #4 = 6.7770 (-0.0210)
Avg % Abs = 6.7843 (-0.0163)
STD DEU = 0.0102 (-0.0042)
REL STD DEU = 0.151 (25.490)

Sol Value = 0.400 g/210L ***
Fit Value = 1.9148 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12595, Sum Io = 13975

Channel 1
Sample % Abs (% Abs Ref)
Sample #1 = 6.4750 (-0.0060)
Sample #2 = 6.4940 (-0.0160)
Sample #3 = 6.4990 (-0.0350)
Sample #4 = 6.4690 (-0.0490)
Avg % Abs = 6.4873 (-0.0333)
STD DEU = 0.0161 (-0.0166)
REL STD DEU = 0.248 (49.689)

Channel 2
Sample % Abs (% Abs Ref)
Sample #1 = 12.7430 (-0.0140)
Sample #2 = 12.7988 (-0.0030)
Sample #3 = 12.8050 (-0.0100)
Sample #4 = 12.7700 (-0.0380)
Avg % Abs = 12.7910 (-0.0170)
STD DEU = 0.0185 (-0.0185)
REL STD DEU = 0.145 (108.943)

Sol Value = 0.000 g/210L ***
Fit Value = 0.0000 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12600, Sum Io = 13974
Channel 1
Sample % Abs (% Abs Ref)
Sample #1 = 0.0000 (-0.0000)
Sample #2 = 0.0000 (-0.0000)
Sample #3 = 0.0000 (-0.0000)
Sample #4 = 0.0000 (-0.0000)
Avg % Abs = 0.0000 (-0.0000)
STD DEU = 0.0000 (-0.0000)
REL STD DEU = 0.0000 (-0.0000)

Optical Calibration	
SN: 80-000881	
Agency: Miami Dade P.D.	
Date: 01/25/2017	
Quadratic Fit: +/-0.002g/210L	
By: <i>ML</i>	

**** AUTO CAL DATA ****

Channel 1
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.004
Std Dev = 0.01 Rel Std Dev = 21.67
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.711
Std Dev = 0.02 Rel Std Dev = 3.03
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.738
Std Dev = 0.00 Rel Std Dev = 0.25
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.360
Std Dev = 0.02 Rel Std Dev = 0.50
Sol Val = 1.9148 mg/l or 0.400 g/210L
% Abs = 6.487
Std Dev = 0.02 Rel Std Dev = 0.25
Zero Order Coef = -109.69
First Order Coef = 2768.69
Second Order Coef = 28.43
Standard Deviation = 21.986153

Channel 2
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.073
Std Dev = 0.01 Rel Std Dev = 11.21
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.441
Std Dev = 0.01 Rel Std Dev = 0.78
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.541
Std Dev = 0.01 Rel Std Dev = 0.24
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.784
Std Dev = 0.01 Rel Std Dev = 0.15
Sol Val = 1.9148 mg/l or 0.400 g/210L
% Abs = 12.791
Std Dev = 0.02 Rel Std Dev = 0.14
Zero Order Coef = -73.81
First Order Coef = 1324.22
Second Order Coef = 13.33
Standard Deviation = 26.049244

Channel 1
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.000
Std Dev = 0.00 Rel Std Dev = 0.00
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.000
Std Dev = 0.00 Rel Std Dev = 0.00
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.000
Std Dev = 0.00 Rel Std Dev = 0.00
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.000
Std Dev = 0.00 Rel Std Dev = 0.00
Zero Order Coef = -109.69
First Order Coef = 2768.69
Second Order Coef = 28.43
Standard Deviation = 21.986153

Channel 2
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.073
Std Dev = 0.01 Rel Std Dev = 11.21
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.441
Std Dev = 0.01 Rel Std Dev = 0.78
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.541
Std Dev = 0.01 Rel Std Dev = 0.24
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.784
Std Dev = 0.01 Rel Std Dev = 0.15
Sol Val = 1.9148 mg/l or 0.400 g/210L
% Abs = 12.791
Std Dev = 0.02 Rel Std Dev = 0.14
Zero Order Coef = -73.81
First Order Coef = 1324.22
Second Order Coef = 13.33
Standard Deviation = 26.049244

Solution Stats Quadratic Fit Chan 2			
Act	Fit	Residual	
g/210L	g/210L	g/210L	
0.000	0.000	-0.0005	
0.040	0.039	0.0009	
0.100	0.100	-0.0004	
0.200	0.200	0.0000	
0.400	0.400	0.0001	

Sol Value = 0.080 g/210L ***
Fit Value = 0.3810 mg/l %%%
Samples Taken = 4, Discarded = 1
Channel 1
Sample #1 = 3532.00
Sample #2 = 3380.00
Sample #3 = 3465.00
Sample #4 = 3448.00
Average Result = 3431.0000
STD DEU = 44.9778
REL STD DEU = 1.311

Channel 2
Sample #1 = 3461.00
Sample #2 = 3404.00
Sample #3 = 3411.00
Sample #4 = 3408.00
Average Result = 3407.6667
STD DEU = 3.5119
REL STD DEU = 0.103

Dry Gas H2O Adjust Results *****
Barometric Pressure = 1014
3 um H2O Adjust (mg/l*10,000) = 378
9 um H2O Adjust (mg/l*10,000) = 402
**** AUTO CAL PASS

Boyle

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Stabilities	80-000881	Miami Dade Police Department	01/24/2017	<i>ML</i>

0.05g/210L 0.047 to 0.053 ☒	0.08g/210L 0.077 to 0.083 ☒	0.20g/210L 0.194 to 0.206 ☒	DGS 0.08g/210L 0.077 to 0.083 ☒
Miami Dade PD Intoxilyzer - Alcotest Analyzer Model 8000 01/24/2017 Software: 8100.27 Test g/210L Time Air Blank 0.000 08:40 Control Test 0.049 08:41 Air Blank 0.000 08:42 Control Test 0.048 08:42 Air Blank 0.000 08:43 Control Test 0.048 08:43 Air Blank 0.000 08:44 Control Test Stats Average 0.0483 Std Dev 0.0006 Rel Std Dev(%) 1.1945 Operator's Signature <i>ML</i>	Miami Dade PD Intoxilyzer - Alcotest Analyzer Model 8000 01/24/2017 Software: 8100.27 Test g/210L Time Air Blank 0.000 08:45 Control Test 0.079 08:46 Air Blank 0.000 08:46 Control Test 0.079 08:47 Air Blank 0.000 08:48 Control Test 0.079 08:48 Air Blank 0.000 08:49 Control Test Stats Average 0.0790 Std Dev 0.0000 Rel Std Dev(%) 0.0000 Operator's Signature <i>ML</i>	Miami Dade PD Intoxilyzer - Alcotest Analyzer Model 8000 01/24/2017 Software: 8100.27 Test g/210L Time Air Blank 0.000 08:51 Control Test 0.193 08:51 Air Blank 0.000 08:52 Control Test 0.196 08:53 Air Blank 0.000 08:53 Control Test 0.196 08:54 Air Blank 0.000 08:54 Control Test Stats Average 0.1950 Std Dev 0.0017 Rel Std Dev(%) 0.8882 Operator's Signature <i>ML</i>	Miami Dade PD Intoxilyzer - Alcotest Analyzer Model 8000 01/24/2017 Software: 8100.27 Test g/210L Time Air Blank 0.000 08:57 Control Test 0.081 08:57 Air Blank 0.000 08:58 Control Test 0.080 08:58 Air Blank 0.000 08:58 Control Test 0.079 08:59 Air Blank 0.000 08:59 Control Test Stats Average 0.0800 Std Dev 0.0010 Rel Std Dev(%) 1.2500 Operator's Signature <i>ML</i>

Green
AK

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Flow calibration	80-000881	Miami Dade Police Department	01/24/2017	<i>lwl</i>

```

MIAMI DADE PD
Intoxilyzer - Alcotest Analyzer
Model 8000          SN 80-000881
01/24/2017
Software: 8100.27

Flow Rate Calibration*****
1: Rate (liters/min) = 5
   SORT(diff) ) = 7.078
2: Rate (liters/min) = 15
   SORT(diff) ) = 11.531
3: Rate (liters/min) = 30
   SORT(diff) ) = 21.117
Dependent Data Scale Factor = 100000 L/min
Independent Data Scale Factor = 256
Rounded Slope = 682
Rounded Intercept = -644421
Correlation = 0.99571

```

BK