FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Palm Bay Police Dept S/N 80-001721

Date In 10/27/16 Date Out 10/31/16 ☒ Ship ☐ P/U ☐ H/D ☐ CMI ☐ EE

Intake Performed By DD

- ☐ Registration
- ☒ Annual
- ☐ Return from CMI
- ☐ Return from Enforcement
- ☐ 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 Static Bag

Notes:

Quality Checks Performed By SP

- ☒ Breath Tube Screen
- ☒ Replace O-Rings
- ☒ Instrument Set Up Verified
- ☒ R-Value 1109
- ☒ Flow Verification (L/s)
  - Flow Column # ATP105
  - 32mm 164 (.139 - .169)
  - 36mm 175 (.156 - .190)
  - 53mm 242 (.228 - .278)
  - 103mm 496 (.447 - .547)
- ☒ Barometric Pressure Check
  - Gauge ID # 28427
- ☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	SD1018	201507A 7-14-17
0.08	SD1011	2016001F 1-26-18
0.20	SD1025	201604C 4-5-18
0.08 DGS	N/A	AG6196005 7-14-18

Flow Calibration Performed By

- ☒ Flow Calibration N/A
- ☐ Flow Calibration Complete
  - Flow Column #
  - ☐ 5L/min – 17mm
  - ☐ 15L/min – 53mm
  - ☐ 30L/min – 103mm
- ☐ R-Value
- ☐ Post Calibration Verification (L/s)
  - Flow Column #
  - 32mm (.139 - .169)
  - 36mm (.156 - .190)
  - 53mm (.228 - .278)
  - 103mm (.447 - .547)

Maintenance Performed By

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

Suggested Service

Optical Bench Calibration Performed By SP

- ☐ Optical Bench Calibration N/A
- ☒ Optical Bench Calibration Complete

Barometric Pressure Gauge 1017 ID # 26932

Simulator	Serial Number	Lot Number	Expiration
0.000	G4444	N/A	N/A
0.040	G2882	161101	2-2-18
0.100	G2078	16001	5-8-18
0.200	G2408	16103	6-14-18
0.400	G5358	16102	3-22-18
0.080 DGS	N/A	03415080A1	3-5-17

☒ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD1018	201507A	7-14-17
0.08	SD1011	2016001F	1-26-18
0.20	SD1025	201604C	4-5-18
0.08 DGS	N/A	AG6196005	7-14-18

Department Inspection Performed By SP

- ☒ Barometric Pressure ID# 28427 — 1019 Gauge / 1017 Instrument

Mouth Alcohol Solution Lot # 2016-A

Acetone Stock Solution Lot # 2016-B

Simulator	Serial Number
0.00	SD1019
Interferent	SD1021
0.05	SD1018
0.08	SD1011
0.20	SD1025

Attachments

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

Notes: Performed optical bench cal to bring values closer to Nominal. SP

QC 10/31/16

- ☒ **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**

Scott Kirkland
Quality Control Review

10/31/16
Date

Revised November 2012

STABILITY CHECKS- INSTRUMENT #80-001721 - PALM BAY PD- 10/31/16 SP

PALM BAY P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001721
10/31/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:29
Control Test	0.051	09:30
Air Blank	0.000	09:30
Control Test	0.052	09:31
Air Blank	0.000	09:32
Control Test	0.051	09:32
Air Blank	0.000	09:33
Control Test Stats		
Average	0.0513	
Std Dev	0.0006	
Rel Std Dev(%)	1.1247	

SP
Operator's Signature

PALM BAY P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001721
10/31/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:34
Control Test	0.081	09:35
Air Blank	0.000	09:35
Control Test	0.081	09:36
Air Blank	0.000	09:36
Control Test	0.082	09:37
Air Blank	0.000	09:38
Control Test Stats		
Average	0.0813	
Std Dev	0.0006	
Rel Std Dev(%)	0.7099	

SP
Operator's Signature

PALM BAY P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001721
10/31/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:39
Control Test	0.199	09:40
Air Blank	0.000	09:40
Control Test	0.199	09:41
Air Blank	0.000	09:42
Control Test	0.200	09:42
Air Blank	0.000	09:43
Control Test Stats		
Average	0.1993	
Std Dev	0.0006	
Rel Std Dev(%)	0.2896	

SP
Operator's Signature

PALM BAY P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001721
10/31/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:44
Control Test	0.079	09:44
Air Blank	0.000	09:45
Control Test	0.078	09:45
Air Blank	0.000	09:45
Control Test	0.079	09:46
Air Blank	0.000	09:46
Control Test Stats		
Average	0.0787	
Std Dev	0.0006	
Rel Std Dev(%)	0.7339	

DGS

BK

SP
Operator's Signature

OPTICAL BENCH CALIBRATION - INSTRUMENT# 80-001721 Palm Bay PD - 10/31/16 SP

PALM BAY P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001721
10/31/2016 09:52:27

Auto Calibration
Max Power Res Value = 28
Auto Range Res Value = 15

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12746, 9um Io = 12326

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1180	(0.0040)
Sample #2 =	0.0880	(0.0420)
Sample #3 =	0.0880	(0.0810)
Sample #4 =	0.1130	(0.0950)

Avg % Abs = 0.0963 (0.0727)
STD DEV = 0.0144 (0.0275)
REL STD DEV = 14.983 (37.796)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1010	(-0.0120)
Sample #2 =	0.1020	(0.0240)
Sample #3 =	0.0940	(0.0320)
Sample #4 =	0.1150	(0.0310)

Avg % Abs = 0.1037 (0.0290)
STD DEV = 0.0106 (0.0044)
REL STD DEV = 10.224 (15.031)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12721, 9um Io = 12316

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8020	(-0.0220)
Sample #2 =	0.8270	(-0.0260)
Sample #3 =	0.7940	(0.0150)
Sample #4 =	0.7830	(0.0100)

Avg % Abs = 0.8013 (-0.0003)
STD DEV = 0.0229 (0.0224)
REL STD DEV = 2.858 (6710.427)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4640	(-0.0110)
Sample #2 =	1.4620	(-0.0010)
Sample #3 =	1.4520	(0.0090)
Sample #4 =	1.4690	(-0.0160)

Avg % Abs = 1.4610 (-0.0027)
STD DEV = 0.0085 (0.0126)
REL STD DEV = 0.585 (471.865)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12714, 9um Io = 12315

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8750	(-0.0170)
Sample #2 =	1.8730	(0.0110)
Sample #3 =	1.8510	(0.0170)
Sample #4 =	1.8630	(0.0370)

Avg % Abs = 1.8623 (0.0217)
STD DEV = 0.0110 (0.0136)
REL STD DEV = 0.591 (62.833)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4980	(-0.0020)
Sample #2 =	3.5110	(0.0050)
Sample #3 =	3.4880	(0.0110)
Sample #4 =	3.5230	(0.0170)

Avg % Abs = 3.5073 (0.0110)
STD DEV = 0.0178 (0.0060)
REL STD DEV = 0.507 (54.545)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12708, 9um Io = 12312

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6150	(-0.0040)
Sample #2 =	3.6160	(0.0270)
Sample #3 =	3.6320	(0.0050)
Sample #4 =	3.6350	(0.0180)

Avg % Abs = 3.6277 (0.0167)
STD DEV = 0.0102 (0.0111)
REL STD DEV = 0.282 (66.363)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.7720	(0.0100)
Sample #2 =	6.7290	(0.0470)
Sample #3 =	6.7820	(0.0080)
Sample #4 =	6.8040	(0.0150)

Avg % Abs = 6.7717 (0.0233)
STD DEV = 0.0386 (0.0208)
REL STD DEV = 0.569 (89.111)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12704, 9um Io = 12310

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.8660	(-0.0030)
Sample #2 =	6.8730	(0.0140)
Sample #3 =	6.8840	(0.0240)
Sample #4 =	6.8820	(0.0490)

Avg % Abs = 6.8797 (0.0290)
STD DEV = 0.0059 (0.0180)
REL STD DEV = 0.085 (62.165)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	12.6620	(-0.0140)
Sample #2 =	12.6360	(0.0300)
Sample #3 =	12.6340	(0.0400)
Sample #4 =	12.6470	(0.0430)

Avg % Abs = 12.6390 (0.0377)
STD DEV = 0.0070 (0.0068)
REL STD DEV = 0.055 (18.071)

***** AUTO CAL DATA *****

<<<<< CHANNEL 1 >>>>>

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.096
Std Dev = 0.01 Rel Std Dev = 14.98
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.801
Std Dev = 0.02 Rel Std Dev = 2.86
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.862
Std Dev = 0.01 Rel Std Dev = 0.59
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.628
Std Dev = 0.01 Rel Std Dev = 0.28
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.880
Std Dev = 0.01 Rel Std Dev = 0.09
Zero Order Coef = -211.93
First Order Coef = 2585.14
Second Order Coef = 30.95
Standard Deviation = 42.735279

<<<<< CHANNEL 2 >>>>>

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.104
Std Dev = 0.01 Rel Std Dev = 10.22
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.461
Std Dev = 0.01 Rel Std Dev = 0.58
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.507
Std Dev = 0.02 Rel Std Dev = 0.51
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.772
Std Dev = 0.04 Rel Std Dev = 0.57
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 12.639
Std Dev = 0.01 Rel Std Dev = 0.06
Zero Order Coef = -101.01
First Order Coef = 1325.84
Second Order Coef = 14.91
Standard Deviation = 35.430038

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.001	-0.0008
0.040	0.039	0.0005
0.100	0.099	0.0011
0.200	0.201	-0.0010
0.400	0.400	0.0002

Solution Stats Quadratic Fit Chan 2

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.001	-0.0008
0.040	0.039	0.0008
0.100	0.099	0.0006
0.200	0.201	-0.0008
0.400	0.400	0.0002

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3168.00
Sample #2 = 3248.00
Sample #3 = 3173.00
Sample #4 = 3148.00
Average Result = 3189.6667
STD DEV = 52.0416
REL STD DEV = 1.632
****
***** CHANNEL 2
Sample #1 = 3411.00
Sample #2 = 3453.00
Sample #3 = 3432.00
Sample #4 = 3441.00
Average Result = 3442.0000
STD DEV = 10.5357
REL STD DEV = 0.306
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1017
3 um H2O Adjust (mg/l*10,000) = 620
9 um H2O Adjust (mg/l*10,000) = 367
**** AUTO CAL PASS

BK

POST CALIBRATION STABILITY CHECKS - INSTRUMENT #80-001721 - PALM BAY PD

10/31/16 SP

PALM BAY P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001721
10/31/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:36
Control Test	0.050	10:37
Air Blank	0.000	10:37
Control Test	0.050	10:38
Air Blank	0.000	10:38
Control Test	0.050	10:39
Air Blank	0.000	10:40
Control Test Stats		
Average	0.0500	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

SP
Operator's Signature

PALM BAY P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001721
10/31/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:31
Control Test	0.081	10:32
Air Blank	0.000	10:33
Control Test	0.081	10:33
Air Blank	0.000	10:34
Control Test	0.081	10:34
Air Blank	0.000	10:35
Control Test Stats		
Average	0.0810	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

SP
Operator's Signature

PALM BAY P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001721
10/31/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:40
Control Test	0.199	10:41
Air Blank	0.000	10:41
Control Test	0.199	10:42
Air Blank	0.000	10:43
Control Test	0.200	10:43
Air Blank	0.000	10:44
Control Test Stats		
Average	0.1993	
Std Dev	0.0006	
Rel Std Dev(%)	0.2896	

SP
Operator's Signature

PALM BAY P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001721
10/31/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:45
Control Test	0.080	10:45
Air Blank	0.000	10:46
Control Test	0.080	10:46
Air Blank	0.000	10:46
Control Test	0.080	10:47
Air Blank	0.000	10:47
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

DGS

BK

SP
Operator's Signature