FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Palm Beach County SO S/N 80-0060028

Date In 3/6/17 Date Out 3/6/17 3/8/17 SP ☒Ship ☐P/U ☒H/D SP ☐CMI ☐EE

RECEIVED MAR 08 2017 FDLE Alcohol Testing Program

Intake Performed By SP

- ☐ 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

Notes:

Quality Checks Performed By SP

- ☒ Breath Tube Screen
- ☒ Replace O-Rings
- ☒ Instrument Set Up Verified
- ☒ R-Value 214
- ☒ Flow Verification (L/s)

Flow Column # ATP101

32mm .164 (.139 - .169)
36mm .179 (.156 - .190)
53mm .238 (.228 - .278)
103mm .484 (.447 - .547)

- ☒ Barometric Pressure Check

Gauge ID # 686039

- ☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	SD1014	2016030 / 3-8-18
0.08	SD1015	2016011F / 1-26-18
0.20	SD1017	2016040 / 4-5-18
0.08 DGS	N/A	AG605301 / 2-22-18

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 1025 ID # 26932

Simulator	Serial Number	Lot Number	Expiration
0.000	SD1016	N/A	N/A
0.040	SD1024	16101	2-2-18
0.100	SD1022	16001	5-8-18
0.200	DR3855	16103	6-14-18
0.400	G2407	16102	3-22-18
0.080 DGS	N/A	15615080A2	7-5-17

- ☒ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	G11739	2016030	3-8-18
0.08	G8149	2016011F	1-26-18
0.20	G11621	2016040	4-5-18
0.08 DGS	N/A	AG6266605	9-22-18

Department Inspection Performed By SP

- ☒ Barometric Pressure ID# 686039 / 28427
  1025 Gauge – 1023
  1024 Instrument – 1025

Mouth Alcohol Solution Lot # 2016-A – 2016-A

Acetone Stock Solution Lot # 2016-B – 2016-B

Simulator	Serial Number
0.00	G8147 / G2880
Interferent	G12100 / G2834
0.05	SD1014 / G3709
0.08	SD1015 / SD39604
0.20	SD1017 / DR3856

Attachments

- ☒ Form 41 X2
- ☒ Pre-Stability Tests
- ☐ Flow Calibration
- ☒ Optical Bench Cal
- ☒ Post-Stability Tests
- ☐ Other

Notes: E-MAILED

QA/QC OK DERR
PERFORMED OPTICAL BENCH CAL TO BRING VALUES CLOSER TO NOMINAL SP
QC RMS

- ☒ 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

Brett Kirkland
Quality Control Review

3/8/17
Date

Revised November 2012

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Stabilities	80-006028	Palm Beach County SO	3/6/17	SP

BK

0.05g/210L

PALM BEACH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006028
03/06/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:20
Control Test	0.051	09:20
Air Blank	0.000	09:21
Control Test	0.052	09:22
Air Blank	0.000	09:22
Control Test	0.052	09:23
Air Blank	0.000	09:23

Control Test Stats

Average	0.0517
Std Dev	0.0006
Rel Std Dev(%)	1.1175

SP
Operator's Signature

0.08g/210L

PALM BEACH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006028
03/06/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:14
Control Test	0.082	09:15
Air Blank	0.000	09:16
Control Test	0.083	09:16
Air Blank	0.000	09:17
Control Test	0.083	09:18
Air Blank	0.000	09:18

Control Test Stats

Average	0.0827
Std Dev	0.0006
Rel Std Dev(%)	0.6984

SP
Operator's Signature

0.20g/210L

PALM BEACH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006028
03/06/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:05
Control Test	0.199	09:06
Air Blank	0.000	09:07
Control Test	0.202	09:07
Air Blank	0.000	09:08
Control Test	0.202	09:08
Air Blank	0.000	09:09

Control Test Stats

Average	0.2010
Std Dev	0.0017
Rel Std Dev(%)	0.8617

SP
Operator's Signature

DGS 0.08g/210L

PALM BEACH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006028
03/06/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:11
Control Test	0.082	09:11
Air Blank	0.000	09:12
Control Test	0.082	09:12
Air Blank	0.000	09:13
Control Test	0.082	09:13
Air Blank	0.000	09:14

Control Test Stats

Average	0.0820
Std Dev	0.0000
Rel Std Dev(%)	0.0000

DGS

SP
Operator's Signature

Auto Range Res Value = 20

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12624, 9um Io = 12776

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1020	(-0.0150)
Sample #2 =	0.1010	(0.0220)
Sample #3 =	0.0660	(0.0600)
Sample #4 =	0.0910	(0.0910)

Avg % Abs = 0.0860 (0.0577)
STD DEV = 0.0180 (0.0346)
REL STD DEV = 20.963 (59.929)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1410	(-0.0060)
Sample #2 =	0.1430	(0.0050)
Sample #3 =	0.1480	(0.0180)
Sample #4 =	0.1390	(0.0270)

Avg % Abs = 0.1433 (0.0167)
STD DEV = 0.0045 (0.0111)
REL STD DEV = 3.146 (66.363)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12602, 9um Io = 12765

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.6110	(0.0000)
Sample #2 =	0.6880	(0.0070)
Sample #3 =	0.7370	(0.0420)
Sample #4 =	0.6820	(0.0870)

Avg % Abs = 0.7023 (0.0453)
STD DEV = 0.0302 (0.0401)
REL STD DEV = 4.296 (88.465)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.1920	(-0.0080)
Sample #2 =	1.3200	(-0.0100)
Sample #3 =	1.3990	(-0.0030)
Sample #4 =	1.3750	(0.0270)

Avg % Abs = 1.3647 (0.0047)
STD DEV = 0.0405 (0.0197)
REL STD DEV = 2.968 (421.186)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12583, 9um Io = 12755

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.7860	(-0.0140)
Sample #2 =	1.8090	(0.0230)
Sample #3 =	1.7980	(0.0530)
Sample #4 =	1.7550	(0.0800)

Avg % Abs = 1.7873 (0.0520)
STD DEV = 0.0285 (0.0285)
REL STD DEV = 1.597 (54.833)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4770	(-0.0050)
Sample #2 =	3.4810	(0.0230)
Sample #3 =	3.4900	(0.0220)
Sample #4 =	3.4730	(0.0360)

Avg % Abs = 3.4813 (0.0270)
STD DEV = 0.0085 (0.0078)
REL STD DEV = 0.244 (28.927)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12540, 9um Io = 12730

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4490	(-0.0120)
Sample #2 =	3.4360	(0.0320)
Sample #3 =	3.4180	(0.0520)
Sample #4 =	3.4670	(0.0380)

Avg % Abs = 3.4403 (0.0407)
STD DEV = 0.0248 (0.0103)
REL STD DEV = 0.720 (25.237)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.6620	(-0.0010)
Sample #2 =	6.6680	(0.0240)
Sample #3 =	6.6950	(0.0150)
Sample #4 =	6.6720	(0.0280)

Avg % Abs = 6.6783 (0.0223)
STD DEV = 0.0146 (0.0067)
REL STD DEV = 0.218 (29.813)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12530, 9um Io = 12724

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.6210	(0.0000)
Sample #2 =	6.6240	(0.0400)
Sample #3 =	6.6210	(0.0660)
Sample #4 =	6.6670	(0.0440)

Avg % Abs = 6.6373 (0.0500)
STD DEV = 0.0257 (0.0140)
REL STD DEV = 0.388 (28.000)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	12.5620	(-0.0070)
Sample #2 =	12.5600	(0.0380)
Sample #3 =	12.5320	(0.0520)
Sample #4 =	12.5710	(0.0420)

Avg % Abs = 12.5543 (0.0440)
STD DEV = 0.0201 (0.0072)
REL STD DEV = 0.160 (16.389)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.086
Std Dev = 0.02 Rel Std Dev = 20.96
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.702
Std Dev = 0.03 Rel Std Dev = 4.30
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.787
Std Dev = 0.03 Rel Std Dev = 1.60
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.440
Std Dev = 0.02 Rel Std Dev = 0.72
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.637
Std Dev = 0.03 Rel Std Dev = 0.39
Zero Order Coef = -156.43
First Order Coef = 2734.40
Second Order Coef = 23.84
Standard Deviation = 79.057556

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.143
Std Dev = 0.00 Rel Std Dev = 3.15
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.365
Std Dev = 0.04 Rel Std Dev = 2.97
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.481
Std Dev = 0.01 Rel Std Dev = 0.24
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.678
Std Dev = 0.01 Rel Std Dev = 0.22
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 12.554
Std Dev = 0.02 Rel Std Dev = 0.16
Zero Order Coef = -104.92
First Order Coef = 1357.33
Second Order Coef = 13.34
Standard Deviation = 82.317741

Solution Stats Quadratic Fit Chan 1

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.002	-0.0017
0.040	0.037	0.0027
0.100	0.101	-0.0009
0.200	0.200	-0.0002
0.400	0.400	0.0001

OPTICAL BENCH CALIBRATION INSTRUMENT# 80-006028

Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.002	-0.0019
0.040	0.037	0.0028
0.100	0.100	-0.0004
0.200	0.201	-0.0006
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 = 3346.00
Sample #2 = 3338.00
Sample #3 = 3311.00
Sample #4 = 3335.00
Average Result = 3328.0000
STD DEV = 14.7986
REL STD DEV = 0.445
****
***** CHANNEL 2
Sample #1 = 3403.00
Sample #2 = 3400.00
Sample #3 = 3367.00
Sample #4 = 3444.00
Average Result = 3403.6667
STD DEV = 38.6307
REL STD DEV = 1.135
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1023
3 um H2O Adjust (mg/l*10,000) = 481
9 um H2O Adjust (mg/l*10,000) = 406
**** AUTO CAL PASS

POST CALIBRATION STABILITY CHECKS- INSTRUMENT #80-006028

PALM BEACH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006028
03/07/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:52
Control Test	0.051	14:53
Air Blank	0.000	14:53
Control Test	0.052	14:54
Air Blank	0.000	14:55
Control Test	0.051	14:55
Air Blank	0.000	14:56
Control Test Stats		
Average	0.0513	
Std Dev	0.0006	
Rel Std Dev(%)	1.1247	

SP
Operator's Signature

PALM BEACH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006028
03/07/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:44
Control Test	0.080	14:45
Air Blank	0.000	14:46
Control Test	0.081	14:46
Air Blank	0.000	14:47
Control Test	0.082	14:48
Air Blank	0.000	14:48
Control Test Stats		
Average	0.0810	
Std Dev	0.0010	
Rel Std Dev(%)	1.2346	

SP
Operator's Signature

PALM BEACH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006028
03/07/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:40
Control Test	0.198	14:40
Air Blank	0.000	14:41
Control Test	0.200	14:42
Air Blank	0.000	14:42
Control Test	0.199	14:43
Air Blank	0.000	14:43
Control Test Stats		
Average	0.1990	
Std Dev	0.0010	
Rel Std Dev(%)	0.5025	

SP
Operator's Signature

PALM BEACH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006028
03/07/2017
Software: 8100.27

BK

Test	g/210L	Time
Air Blank	0.000	14:49
Control Test	0.080	14:49
Air Blank	0.000	14:50
Control Test	0.079	14:50
Air Blank	0.000	14:51
Control Test	0.080	14:51
Air Blank	0.000	14:51
Control Test Stats		
Average	0.0797	
Std Dev	0.0006	
Rel Std Dev(%)	0.7247	

DGS

SP
Operator's Signature