FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency FHP - Cocoa S/N 80-001112

Date In 2/6/17 Date Out 2/22/17 ☒ Ship ☐ P/U ☐ H/D ☐ CMI ☐ EE

RECEIVED MAR 08 2017 FDLE Alcohol Testing Program

Intake Performed By LS

- ☐ 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 Static Bag

Notes:

Quality Checks Performed By SP

- ☒ Breath Tube Screen
- ☒ Replace O-Rings
- ☒ Instrument Set Up Verified
- ☒ R-Value 130
- ☒ Flow Verification (L/s)

Flow Column # ATP103

32mm	.144	(.139 - .169)
36mm	.160	(.156 - .190)
53mm	.230	(.228 - .278)
103mm	.496	(.447 - .547)

- ☒ Barometric Pressure Check

Gauge ID # 28427

- ☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	G3709	2016030
		3-8-18
0.08	SD3964	2016011F
		1-26-18
0.20	DR3855	2016040
		4-5-18
0.08 DGS	N/A	AG6266005
		9-22-18

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 1004 ID # 28421

Simulator	Serial Number	Lot Number	Expiration
0.000	SD1016	N/A	N/A
0.040	SD1024	16101	2-2-18
0.100	SD1013	16001	5-8-18
0.200	DR3856	16103	6-14-18
0.400	G2403	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	G3709	2016030	3-8-18
0.08	SD3964	2016011F	1-26-18 SP
0.20	DR3855	2016040	4-5-18
0.08 DGS	N/A	AG6266005	9-22-18

Department Inspection Performed By SP

☒ Barometric Pressure ID# 28427

1005 Gauge

1004 Instrument

Mouth Alcohol Solution Lot # 2016-A

Acetone Stock Solution Lot # 2016-B

Simulator	Serial Number
0.00	G2880
Interferent	G2834
0.05	G3709
0.08	SD3964
0.20	DR3855

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

DC - FDLE

- ☒ **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

3/8/17
Date

Revised November 2012

STABILITY CHECKS - INSTRUMENT # 80-001112

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001112
02/16/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:05
Control Test	0.051	10:05
Air Blank	0.000	10:06
Control Test	0.050	10:07
Air Blank	0.000	10:07
Control Test	0.050	10:08
Air Blank	0.000	10:08
Control Test Stats		
Average	0.0503	
Std Dev	0.0006	
Rel Std Dev(%)	1.1471	

SP
Operator's Signature

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001112
02/16/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:59
Control Test	0.080	10:00
Air Blank	0.000	10:01
Control Test	0.080	10:01
Air Blank	0.000	10:02
Control Test	0.080	10:03
Air Blank	0.000	10:03
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

SP
Operator's Signature

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001112
02/16/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:54
Control Test	0.201	09:55
Air Blank	0.000	09:56
Control Test	0.200	09:56
Air Blank	0.000	09:57
Control Test	0.199	09:58
Air Blank	0.000	09:58
Control Test Stats		
Average	0.2000	
Std Dev	0.0010	
Rel Std Dev(%)	0.5000	

SP
Operator's Signature

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001112
02/16/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:51
Control Test	0.083	09:51
Air Blank	0.000	09:52
Control Test	0.083	09:52
Air Blank	0.000	09:53
Control Test	0.083	09:53
Air Blank	0.000	09:53
Control Test Stats		
Average	0.0830	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

DGS

TBK

SP
Operator's Signature

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001112
02/22/2017 09:19:54

Auto Calibration
Max Power Res Value = 18
Auto Range Res Value = 12

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12924, 9um Io = 14017

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0650	(-0.0040)
Sample #2 =	0.1010	(0.0120)
Sample #3 =	0.0740	(0.0650)
Sample #4 =	0.0910	(0.0580)

Avg % Abs = 0.0887 (0.0450)
STD DEV = 0.0137 (0.0288)
REL STD DEV = 15.395 (63.983)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0610	(-0.0170)
Sample #2 =	0.1020	(-0.0560)
Sample #3 =	0.0770	(-0.0280)
Sample #4 =	0.0800	(-0.0230)

Avg % Abs = 0.0863 (-0.0357)
STD DEV = 0.0137 (0.0178)
REL STD DEV = 15.811 (49.867)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12909, 9um Io = 14016

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8180	(-0.0210)
Sample #2 =	0.8200	(0.0320)
Sample #3 =	0.8260	(0.0430)
Sample #4 =	0.8220	(0.0610)

Avg % Abs = 0.8227 (0.0453)
STD DEV = 0.0031 (0.0146)
REL STD DEV = 0.371 (32.294)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5450	(-0.0100)
Sample #2 =	1.5130	(0.0280)
Sample #3 =	1.5050	(0.0330)
Sample #4 =	1.4980	(0.0520)

Avg % Abs = 1.5053 (0.0377)
STD DEV = 0.0075 (0.0127)
REL STD DEV = 0.499 (33.617)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12892, 9um Io = 14005

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8930	(-0.0220)
Sample #2 =	1.8860	(0.0290)
Sample #3 =	1.8940	(0.0370)
Sample #4 =	1.9130	(0.0260)

Avg % Abs = 1.8977 (0.0307)
STD DEV = 0.0139 (0.0057)
REL STD DEV = 0.731 (18.542)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6020	(-0.0140)
Sample #2 =	3.6020	(0.0320)
Sample #3 =	3.6030	(0.0400)
Sample #4 =	3.6260	(0.0330)

Avg % Abs = 3.6103 (0.0350)
STD DEV = 0.0136 (0.0044)
REL STD DEV = 0.376 (12.454)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12896, 9um Io = 14005

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6740	(-0.0250)
Sample #2 =	3.6430	(0.0170)
Sample #3 =	3.6420	(0.0510)
Sample #4 =	3.6380	(0.0680)

Avg % Abs = 3.6410 (0.0453)
STD DEV = 0.0026 (0.0260)
REL STD DEV = 0.073 (57.282)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.0090	(-0.0260)
Sample #2 =	6.9450	(0.0610)
Sample #3 =	6.9470	(0.0880)
Sample #4 =	6.9390	(0.0940)

Avg % Abs = 6.9437 (0.0810)
STD DEV = 0.0042 (0.0176)
REL STD DEV = 0.060 (21.702)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12891, 9um Io = 14000

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.0700	(-0.0070)
Sample #2 =	6.9900	(0.1150)
Sample #3 =	7.0060	(0.1200)
Sample #4 =	6.9660	(0.1310)

Avg % Abs = 6.9873 (0.1220)
STD DEV = 0.0201 (0.0082)
REL STD DEV = 0.288 (6.709)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	13.2750	(-0.0070)
Sample #2 =	13.1400	(0.1760)
Sample #3 =	13.1180	(0.1930)
Sample #4 =	13.1060	(0.1940)

Avg % Abs = 13.1213 (0.1877)
STD DEV = 0.0172 (0.0101)
REL STD DEV = 0.131 (5.390)

OPTICAL BENCH CALIBRATION

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.089
Std Dev = 0.01 Rel Std Dev = 15.40
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.823
Std Dev = 0.00 Rel Std Dev = 0.37
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.898
Std Dev = 0.01 Rel Std Dev = 0.73
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.641
Std Dev = 0.00 Rel Std Dev = 0.07
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.987
Std Dev = 0.02 Rel Std Dev = 0.29
Zero Order Coef = -236.32
First Order Coef = 2590.53
Second Order Coef = 24.25
Standard Deviation = 6.170373

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.086
Std Dev = 0.01 Rel Std Dev = 15.81
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.505
Std Dev = 0.01 Rel Std Dev = 0.50
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.610
Std Dev = 0.01 Rel Std Dev = 0.38
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.944
Std Dev = 0.00 Rel Std Dev = 0.06
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 13.121
Std Dev = 0.02 Rel Std Dev = 0.13
Zero Order Coef = -102.62
First Order Coef = 1305.63
Second Order Coef = 11.71
Standard Deviation = 9.568228

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	-0.000	0.0001
0.040	0.040	-0.0001
0.100	0.100	-0.0001
0.200	0.200	0.0001
0.400	0.400	-0.0000

Solution Stats Quadratic Fit Chan 2

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.000	-0.0002
0.040	0.040	0.0003
0.100	0.100	-0.0000
0.200	0.200	-0.0001
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 = 3038.00
Sample #2 = 3092.00
Sample #3 = 3041.00
Sample #4 = 3211.00
Average Result = 3114.6667
STD DEV = 87.2372
REL STD DEV = 2.801
****
***** CHANNEL 2
Sample #1 = 3424.00
Sample #2 = 3457.00
Sample #3 = 3477.00
Sample #4 = 3524.00
Average Result = 3486.0000
STD DEV = 34.3948
REL STD DEV = 0.987
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1004
3 um H2O Adjust (mg/l*10,000) = 695
9 um H2O Adjust (mg/l*10,000) = 323
**** AUTO CAL PASS

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001112
02/22/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:12
Control Test	0.051	10:12
Air Blank	0.000	10:13
Control Test	0.051	10:14
Air Blank	0.000	10:14
Control Test	0.051	10:15
Air Blank	0.000	10:15
Control Test Stats		
Average	0.0510	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

SP
Operator's Signature

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001112
02/22/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:04
Control Test	0.081	10:04
Air Blank	0.000	10:05
Control Test	0.080	10:06
Air Blank	0.000	10:06
Control Test	0.080	10:07
Air Blank	0.000	10:08
Control Test Stats		
Average	0.0803	
Std Dev	0.0006	
Rel Std Dev(%)	0.7187	

SP
Operator's Signature

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001112
02/22/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:59
Control Test	0.201	09:59
Air Blank	0.000	10:00
Control Test	0.199	10:01
Air Blank	0.000	10:01
Control Test	0.198	10:02
Air Blank	0.000	10:03
Control Test Stats		
Average	0.1993	
Std Dev	0.0015	
Rel Std Dev(%)	0.7663	

SP
Operator's Signature

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001112
02/22/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:08
Control Test	0.079	10:09
Air Blank	0.000	10:09
Control Test	0.080	10:09
Air Blank	0.000	10:10
Control Test	0.079	10:10
Air Blank	0.000	10:11
Control Test Stats		
Average	0.0793	
Std Dev	0.0006	
Rel Std Dev(%)	0.7277	

DGS

SP
Operator's Signature

POST CALIBRATION STABILITY CHECKS
INSTRUMENT # 80-001112

RWS

BK