FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Brevard County S/N 80-000940

Date In 10/27/16 Date Out 11/1/16 ☑Ship ☐P/U ☐H/D ☐CMI ☐EE

RECEIVED
NOV 02 2016
FDLE
Alcohol Testing Program

Intake Performed By BB

- ☐ 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 _____

Notes: _____

Quality Checks Performed By SP

- ☒ Breath Tube Screen
- ☒ Replace O-Rings
- ☒ Instrument Set Up Verified
- ☒ R-Value 159
- ☒ Flow Verification (L/s)
  - Flow Column # ATP105
  - 32mm .164 (.139 - .169)
  - 36mm .175 (.156 - .190)
  - 53mm .250 (.228 - .278)
  - 103mm .515 (.447 - .547)
- ☒ Barometric Pressure Check
  - Gauge ID # 210932
- ☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	SD39162	201507A 7-14-17
0.08	SD39164	201601F 1-26-18
0.20	SD3933	2016044C 4-5-18
0.08 DGS	N/A	A6196005 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 1022 ID # 28427

Simulator	Serial Number	Lot Number	Expiration
0.000	G4444	N/A	N/A
0.040	G2882	16101	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	D3415080A7	3-5-17

☒ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD3962	201507A	7-14-17
0.08	SD3964	201601F	1-26-18
0.20	SD3933	2016044C	4-5-18
0.08 DGS	N/A	A6196005	7-14-18

Department Inspection Performed By SP

☒ Barometric Pressure 1019 Gauge
ID# 210932 1021 Instrument

Mouth Alcohol Solution Lot # 2016-A
Acetone Stock Solution Lot # 2016-B

Simulator	Serial Number
0.00	G2880
Interferent	G2834
0.05	SD3962
0.08	SD3964
0.20	SD3933

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 BB

- ☒ **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**

Ruth Kirkland
Quality Control Review

11/2/16
Date

Revised November 2012

STABILITY CHECKS - INSTRUMENT # 80-000940 - BREVARD COUNTY SO - 11/1/16 SP

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000940
11/01/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:31
Control Test	0.051	09:31
Air Blank	0.000	09:32
Control Test	0.051	09:32
Air Blank	0.000	09:33
Control Test	0.050	09:34
Air Blank	0.000	09:34

Control Test Stats

Average	0.0507
Std Dev	0.0006
Rel Std Dev(%)	1.1395

SP
Operator's Signature

DGS

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000940
11/01/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:36
Control Test	0.080	09:37
Air Blank	0.000	09:37
Control Test	0.081	09:38
Air Blank	0.000	09:38
Control Test	0.081	09:39
Air Blank	0.000	09:40

Control Test Stats

Average	0.0807
Std Dev	0.0006
Rel Std Dev(%)	0.7157

SP
Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000940
11/01/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:42
Control Test	0.200	09:43
Air Blank	0.000	09:43
Control Test	0.200	09:44
Air Blank	0.000	09:44
Control Test	0.200	09:45
Air Blank	0.000	09:45

Control Test Stats

Average	0.2000
Std Dev	0.0000
Rel Std Dev(%)	0.0000

SP
Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000940
11/01/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:48
Control Test	0.077	09:48
Air Blank	0.000	09:49
Control Test	0.078	09:49
Air Blank	0.000	09:49
Control Test	0.078	09:50
Air Blank	0.000	09:50

Control Test Stats

Average	0.0777
Std Dev	0.0006
Rel Std Dev(%)	0.7434

DGS

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Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000940
11/01/2016 12:24:19

Auto Calibration
Max Power Res Value = 41
Auto Range Res Value = 25

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12559, 9um Io = 12516

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1440	(-0.0090)
Sample #2 =	0.1210	(0.0460)
Sample #3 =	0.1380	(0.1000)
Sample #4 =	0.1020	(0.1360)

Avg % Abs = 0.1203 (0.0940)
STD DEV = 0.0180 (0.0453)
REL STD DEV = 14.966 (48.190)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1360	(-0.0010)
Sample #2 =	0.1410	(0.0070)
Sample #3 =	0.1290	(0.0240)
Sample #4 =	0.1230	(0.0410)

Avg % Abs = 0.1310 (0.0240)
STD DEV = 0.0092 (0.0170)
REL STD DEV = 6.996 (70.833)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12536, 9um Io = 12508

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8270	(-0.0060)
Sample #2 =	0.8490	(0.0090)
Sample #3 =	0.8350	(0.0200)
Sample #4 =	0.8360	(0.0270)

Avg % Abs = 0.8400 (0.0187)
STD DEV = 0.0078 (0.0091)
REL STD DEV = 0.930 (48.609)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5210	(-0.0020)
Sample #2 =	1.5540	(-0.0030)
Sample #3 =	1.5430	(0.0000)
Sample #4 =	1.5510	(0.0100)

Avg % Abs = 1.5493 (0.0023)
STD DEV = 0.0057 (0.0068)
REL STD DEV = 0.367 (291.723)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12532, 9um Io = 12508

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.9580	(-0.0020)
Sample #2 =	1.9930	(0.0250)
Sample #3 =	2.0070	(0.0270)
Sample #4 =	1.9880	(0.0400)

Avg % Abs = 1.9960 (0.0307)
STD DEV = 0.0098 (0.0081)
REL STD DEV = 0.493 (26.558)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6780	(0.0010)
Sample #2 =	3.6920	(0.0170)
Sample #3 =	3.7140	(0.0110)
Sample #4 =	3.6940	(0.0310)

Avg % Abs = 3.7000 (0.0197)
STD DEV = 0.0122 (0.0103)
REL STD DEV = 0.329 (52.186)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12530, 9um Io = 12507

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.8550	(-0.0170)
Sample #2 =	3.8720	(0.0060)
Sample #3 =	3.8690	(0.0330)
Sample #4 =	3.8850	(0.0190)

Avg % Abs = 3.8753 (0.0193)
STD DEV = 0.0085 (0.0135)
REL STD DEV = 0.219 (69.844)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.1430	(-0.0860)
Sample #2 =	7.1860	(0.0010)
Sample #3 =	7.1870	(0.0160)
Sample #4 =	7.1760	(0.0190)

Avg % Abs = 7.1830 (0.0120)
STD DEV = 0.0061 (0.0096)
REL STD DEV = 0.085 (80.364)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12529, 9um Io = 12506

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.2580	(-0.0220)
Sample #2 =	7.2650	(0.0300)
Sample #3 =	7.2990	(0.0010)
Sample #4 =	7.2850	(0.0420)

Avg % Abs = 7.2830 (0.0243)
STD DEV = 0.0171 (0.0211)
REL STD DEV = 0.235 (86.627)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	13.2070	(-0.0200)
Sample #2 =	13.2460	(0.0190)
Sample #3 =	13.2780	(0.0030)
Sample #4 =	13.2870	(0.0420)

Avg % Abs = 13.2703 (0.0213)
STD DEV = 0.0215 (0.0196)
REL STD DEV = 0.162 (91.896)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.120
Std Dev = 0.02 Rel Std Dev = 14.97
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.840
Std Dev = 0.01 Rel Std Dev = 0.93
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.996
Std Dev = 0.01 Rel Std Dev = 0.49
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.875
Std Dev = 0.01 Rel Std Dev = 0.22
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 7.283
Std Dev = 0.02 Rel Std Dev = 0.23
Zero Order Coef = -214.29
First Order Coef = 2402.00
Second Order Coef = 33.06
Standard Deviation = 68.837463

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.131
Std Dev = 0.01 Rel Std Dev = 7.00
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.549
Std Dev = 0.01 Rel Std Dev = 0.37
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.700
Std Dev = 0.01 Rel Std Dev = 0.33
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 7.183
Std Dev = 0.01 Rel Std Dev = 0.08
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 13.270
Std Dev = 0.02 Rel Std Dev = 0.16
Zero Order Coef = -104.65
First Order Coef = 1241.93
Second Order Coef = 15.08
Standard Deviation = 61.703777

OPTICAL BENCH CALIBRATION
INSTRUMENT # 80-000940
BREVARD COUNTY SO
11/1/16 SP

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.002	-0.0016
0.040	0.038	0.0016
0.100	0.099	0.0011
0.200	0.201	-0.0014
0.400	0.400	0.0003

Solution Stats Quadratic Fit Chan 2

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.001	-0.0012
0.040	0.039	0.0010
0.100	0.099	0.0014
0.200	0.201	-0.0015
0.400	0.400	0.0003

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3136.00
Sample #2 = 3121.00
Sample #3 = 3155.00
Sample #4 = 3161.00
Average Result = 3145.6667
STD DEV = 21.5716
REL STD DEV = 0.686
****
***** CHANNEL 2
Sample #1 = 3370.00
Sample #2 = 3364.00
Sample #3 = 3391.00
Sample #4 = 3367.00
Average Result = 3374.0000
STD DEV = 14.7986
REL STD DEV = 0.439
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1021
3 um H20 Adjust (mg/l*10,000) = 664
9 um H20 Adjust (mg/l*10,000) = 435
**** AUTO CAL PASS

BK

POST CALIBRATION STABILITY CHECKS- INSTRUMENT #80-000940 - BREVARD COUNTY SO
11/1/16 SP

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000940
11/01/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:03
Control Test	0.050	13:03
Air Blank	0.000	13:04
Control Test	0.050	13:05
Air Blank	0.000	13:05
Control Test	0.051	13:06
Air Blank	0.000	13:06
Control Test Stats		
Average	0.0503	
Std Dev	0.0006	
Rel Std Dev(%)	1.1471	

SP
Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000940
11/01/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:11
Control Test	0.078	13:12
Air Blank	0.000	13:12
Control Test	0.079	13:13
Air Blank	0.000	13:13
Control Test	0.080	13:14
Air Blank	0.000	13:15
Control Test Stats		
Average	0.0790	
Std Dev	0.0010	
Rel Std Dev(%)	1.2658	

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Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000940
11/01/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:16
Control Test	0.196	13:16
Air Blank	0.000	13:17
Control Test	0.199	13:18
Air Blank	0.000	13:18
Control Test	0.200	13:19
Air Blank	0.000	13:19
Control Test Stats		
Average	0.1983	
Std Dev	0.0021	
Rel Std Dev(%)	1.0496	

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Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000940
11/01/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:07
Control Test	0.079	13:08
Air Blank	0.000	13:08
Control Test	0.079	13:09
Air Blank	0.000	13:09
Control Test	0.080	13:09
Air Blank	0.000	13:10
Control Test Stats		
Average	0.0793	
Std Dev	0.0006	
Rel Std Dev(%)	0.7277	

DGS

BK

SP
Operator's Signature

DGS