FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency BREVARD COUNTY SO S/N 80-DD1004

Date In 11/29/16 Date Out 11/30/16 ☒Ship ☐P/U ☐H/D ☐CMI ☐EE

RECEIVED DEC 05 2016 FDLE Alcohol Testing Program

Intake Performed By KMS

- ☐ 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 191
- ☒ Flow Verification (L/s)
  - Flow Column # ATP105
  - 32mm .164 (.139 - .169)
  - 36mm .171 (.156 - .190)
  - 53mm .242 (.228 - .278)
  - 103mm .519 (.447 - .547)
- ☒ Barometric Pressure Check
  - Gauge ID # 26932
- ☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	SD39602	201507A 7-14-17
0.08	SD39604	201601F 1-26-18
0.20	SD3933	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 1012 ID # 28427

Simulator	Serial Number	Lot Number	Expiration
0.000	G4444	N/A	N/A
0.040	SD1024	16101	2-2-18
0.100	SD1013	16001	5-8-18
0.200	G2403	16103	6-14-18
0.400	G66021	16102	3-22-18
0.080 DGS	N/A	D3415080A1	3-5-17

☒ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD39602	201507A	7-14-17
0.08	SD39604	201601F	1-26-18
0.20	SD3933	201604C	4-5-18
0.08 DGS	N/A	AG6196005	7-14-18

Department Inspection Performed By SP

☒ Barometric Pressure ID# 26932 — 1008 Gauge / 1009 Instrument

Mouth Alcohol Solution Lot # 2016-A

Acetone Stock Solution Lot # 2016-B

Simulator	Serial Number
0.00	G2880
Interferent	G2834
0.05	SD39602
0.08	SD1011
0.20	SD3933

Attachments

- ☒ Form 41
- ☒ Pre-Stability Tests
- ☐ Flow Calibration
- ☒ Optical Bench Cal
- ☒ Post-Stability Tests
- ☒ Other FORM 40

Notes: DETERMINED POST CALIBRATION THAT SIMULATOR WAS THE CAUSE OF VA LOW VALUES. CHANGED SIM & RE-TESTED SP

(C) KMS

- ☒ **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**

T. Scott Kirkland — Quality Control Review

12/5/16 — Date

Revised November 2012

STABILITY CHECKS- INSTRUMENT#80-001004- BREVARD COUNTY SO - 11/30/16 SP

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001004
11/30/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:04
Control Test	0.050	10:05
Air Blank	0.000	10:05
Control Test	0.050	10:06
Air Blank	0.000	10:07
Control Test	0.050	10:07
Air Blank	0.000	10:08
Control Test Stats		
Average	0.0500	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

SP
Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001004
11/30/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:21
Control Test	0.073	10:21
Air Blank	0.000	10:22
Control Test	0.074	10:22
Air Blank	0.000	10:23
Control Test	0.073	10:24
Air Blank	0.000	10:24
Control Test Stats		
Average	0.0733	
Std Dev	0.0006	
Rel Std Dev(%)	0.7873	

SP
Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001004
11/30/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:57
Control Test	0.199	09:58
Air Blank	0.000	09:59
Control Test	0.200	09:59
Air Blank	0.000	10:00
Control Test	0.198	10:01
Air Blank	0.000	10:01
Control Test Stats		
Average	0.1990	
Std Dev	0.0010	
Rel Std Dev(%)	0.5025	

SP
Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001004
11/30/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:09
Control Test	0.078	10:09
Air Blank	0.000	10:10
Control Test	0.078	10:10
Air Blank	0.000	10:10
Control Test	0.078	10:11
Air Blank	0.000	10:11
Control Test Stats		
Average	0.0780	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

DGS

SP
Operator's Signature

DGS

BK

Max Powe
Auto Ran

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12617, 9um Io = 13813

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0790	(-0.0080)
Sample #2 =	0.0870	(0.0000)
Sample #3 =	0.0770	(0.0280)
Sample #4 =	0.0620	(0.0640)

Avg % Abs = 0.0753 (0.0307)
STD DEV = 0.0126 (0.9321)
REL STD DEV = 16.703 (104.619)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0910	(-0.0320)
Sample #2 =	0.0900	(-0.0250)
Sample #3 =	0.0810	(-0.0140)
Sample #4 =	0.0650	(0.0000)

Avg % Abs = 0.0787 (-0.0130)
STD DEV = 0.0127 (0.0125)
REL STD DEV = 16.096 (96.384)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12606, 9um Io = 13812

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8110	(-0.0340)
Sample #2 =	0.8200	(-0.0170)
Sample #3 =	0.8070	(0.0180)
Sample #4 =	0.7930	(0.0320)

Avg % Abs = 0.8067 (0.0110)
STD DEV = 0.0135 (0.0252)
REL STD DEV = 1.674 (229.444)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4620	(-0.0140)
Sample #2 =	1.4440	(-0.0110)
Sample #3 =	1.4630	(0.0030)
Sample #4 =	1.4590	(0.0000)

Avg % Abs = 1.4553 (-0.0027)
STD DEV = 0.0100 (0.0074)
REL STD DEV = 0.688 (276.417)

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Fi
Samples Taken = 4, Discarded = 1
3um Io = 12600, 9um Io = 13810

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8620	(-0.0130)
Sample #2 =	1.8880	(0.0000)
Sample #3 =	1.8570	(0.0080)
Sample #4 =	1.8670	(0.0000)

Avg % Abs = 1.8707 (0.0027)
STD DEV = 0.0158 (0.0046)
REL STD DEV = 0.846 (173.205)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4360	(-0.0040)
Sample #2 =	3.4740	(-0.0060)
Sample #3 =	3.4560	(-0.0030)
Sample #4 =	3.4410	(0.0100)

Avg % Abs = 3.4570 (0.0003)
STD DEV = 0.0165 (0.0085)
REL STD DEV = 0.478 (2551.471)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12598, 9um Io = 13808

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6990	(-0.0080)
Sample #2 =	3.7040	(-0.0130)
Sample #3 =	3.7040	(-0.0130)
Sample #4 =	3.7180	(0.0040)

Avg % Abs = 3.7087 (-0.0073)
STD DEV = 0.0081 (0.0098)
REL STD DEV = 0.218 (133.840)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.8130	(-0.0130)
Sample #2 =	6.8360	(-0.0140)
Sample #3 =	6.8220	(0.0000)
Sample #4 =	6.8410	(0.0140)

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Samples Taken = 4, Discarded = 1
3um Io = 12596, 9um Io = 13808

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.8930	(-0.0100)
Sample #2 =	6.9190	(0.0130)
Sample #3 =	6.9510	(-0.0030)
Sample #4 =	6.9820	(0.0010)

Avg % Abs = 6.9507 (0.0037)
STD DEV = 0.0315 (0.0083)
REL STD DEV = 0.453 (227.091)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	12.5370	(-0.0090)
Sample #2 =	12.5570	(0.0290)
Sample #3 =	12.5980	(0.0270)
Sample #4 =	12.6060	(0.0380)

Avg % Abs = 12.5870 (0.0313)
STD DEV = 0.0263 (0.0059)
REL STD DEV = 0.209 (18.700)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.075
Std Dev = 0.01 Rel Std Dev = 16.70
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.807
Std Dev = 0.01 Rel Std Dev = 1.67
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.871
Std Dev = 0.02 Rel Std Dev = 0.85
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.709
Std Dev = 0.01 Rel Std Dev = 0.22
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.951
Std Dev = 0.03 Rel Std Dev = 0.45
Zero Order Coef = -136.23
First Order Coef = 2107.71
Second
Standar

Std Dev = 0.01 Rel Std Dev = 16.10
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.455
Std Dev = 0.01 Rel Std Dev = 0.69
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.457
Std Dev = 0.02 Rel Std Dev = 0.48
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.833
Std Dev = 0.01 Rel Std Dev = 0.14
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 12.587
Std Dev = 0.03 Rel Std Dev = 0.21
Zero Order Coef = -42.51
First Order Coef = 1296.04
Second Order Coef = 17.39
Standard Deviation = 84.259666

Solution Stats Quadratic Fit Chan 1

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.001	-0.0011
0.040	0.040	0.0002
0.100	0.098	0.0024
0.200	0.202	-0.0019
0.400	0.400	0.0004

Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.001	-0.0013
0.040	0.039	0.0005
0.100	0.098	0.0024
0.200	0.20	
0.400		

Sol U
Fit v
Sample Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3086.00
Sample #2 = 3060.00
Sample #3 = 3102.00
Sample #4 = 3107.00
Average Result = 3089.6667
STD DEV = 25.8134
REL STD DEV = 0.835
****
***** CHANNEL 2
Sample #1 = 3322.00
Sample #2 = 3330.00
Sample #3 = 3350.00
Sample #4 = 3381.00
Average Result = 3353.6667
STD DEV = 25.6970
REL STD DEV = 0.766
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1011
3 um H20 Adjust (mg/l*10,000) = 720
9 um H20 Adjust (mg/l*10,000) = 456
**** AUTO CAL PASS

RDS

RSK

POST CALIBRATION STABILITY CHECKS - INSTRUMENT #80-001004 - BREVARD COUNTY SO

11/30/16

BREVA.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001004
11/30/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:51
Control Test	0.049	13:52
Air Blank	0.000	13:52
Control Test	0.050	13:53
Air Blank	0.000	13:53
Control Test	0.049	13:54
Air Blank	0.000	13:55
Control Test Stats		
Average	0.0493	
Std Dev	0.0006	
Rel Std Dev(%)	1.1703	

SP
Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001004
11/30/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:01
Control Test	0.068	14:02
Air Blank	0.000	14:02
Control Test	0.069	14:03
Air Blank	0.000	14:03
Control Test	0.070	14:04
Air Blank	0.000	14:05
Control Test Stats		
Average	0.0690	
Std Dev	0.0010	
Rel Std Dev(%)	1.4493	

SP

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001004
11/30/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:45
Control Test	0.078	14:46
Air Blank	0.000	14:46
Control Test	0.079	14:47
Air Blank	0.000	14:48
Control Test	0.079	14:48
Air Blank	0.000	14:49
Control Test Stats		
Average	0.0787	
Std Dev	0.0006	
Rel Std Dev(%)	0.7339	

SP
Operator's Signature

POOR CONNECTION BETWEEN INSTRUMENT & SIM. CHANGED SIM & RETESTED.

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001004
11/30/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:06
Control Test	0.196	14:07
Air Blank	0.000	14:08
Control Test	0.198	14:08
Air Blank	0.000	14:09
Control Test	0.198	14:10
Air Blank	0.000	14:10
Control Test Stats		
Average	0.1973	
Std Dev	0.0012	
Rel Std Dev(%)	0.5852	

SP
Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001004
11/30/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:11
Control Test	0.081	14:11
Air Blank	0.000	14:12
Control Test	0.080	14:12
Air Blank	0.000	14:12
Control Test	0.082	14:13
Air Blank	0.000	14:13
Control Test Stats		
Average	0.0810	
Std Dev	0.0010	
Rel Std Dev(%)	1.2346	

SP
Operator's Signature

RWB

BK