FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Brevard County S/N 80-001004

Date In 10/5/17 Date Out 10/10/17 ☒Ship ☐P/U ☐H/D ☐CMI ☐EE

RECEIVED OCT 10 2017 FDLE Alcohol Testing Program

Intake Performed By [illegible]

- ☐ 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

- ☒ Lab Temp °C 22.2
- ☒ Breath Tube Screen
- ☒ Replace External O-Rings
- ☒ Instrument Set Up Verified
- ☒ R-Value 187
- ☒ Flow Verification (L/s)

Flow Column # ATP103

32mm .152 (.139 - .169)
36mm .164 (.156 - .190)
53mm .238 (.228 - .278)
103mm .503 (.447 - .547)

- ☒ Barometric Pressure Check

Gauge ID # 26932

- ☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	SD3962	201707D 7-25-19
0.08 SP	201707E SD1013	~~201707E~~ 7-25-19
0.20	DR3856	201707C 7-24-19
0.08 DGS	N/A	AG6266604 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 _____

Quality Checks Cont. Performed By SP

Simulator Temperatures °C

External Digital Therm. ID#: 300504

- ☒ 34°C +-.2 Serial #: SD3962
- ☒ 34°C +-.2 Serial #: SD1013
- ☒ 34°C +-.2 Serial #: DR3856

Calibration Adjustment Performed By SP

- ☐ Calibration Adjustment N/A
- ☒ Calibration Adjustment Complete

Barometric Pressure Gauge 1016 ID # 28427

Simulator	Serial Number	Lot Number	Expiration
0.000	G6621	N/A	N/A
0.040	SD1018	16320	10-21-18
0.100	SD1012	17060	2-14-19
0.200	SD1011	17090	2-24-19
0.300	DR1275	16410	12-19-18
0.080 DGS	N/A	17817080A2	8-5-19

- ☒ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number SP	Expiration
0.05	SD3962	201707D	~~20~~ 7-25-19
0.08	SD1013	201707E	7-25-19
0.20	DR3856	201707C	7-24-19
0.08 DGS	N/A	AG6266604	9-22-18

Department Inspection Performed By SP

- ☒ Barometric Pressure ID# 26932 — 1016 Gauge / 1016 Instrument

Mouth Alcohol Solution Lot # 2016-C

Acetone Stock Solution Lot # 2017-A

Simulator	Serial Number
0.00	SD1019
Interferent	SD1021
0.05	SD3962
0.08	SD1013
0.20	DR3856

Attachments

- ☒ Form 41
- ☒ Pre-Stability Tests
- ☐ Flow Calibration
- ☒ Calibration Adjustment
- ☒ Post-Stability Tests
- ☐ Other _____

Notes/Suggested Service:

Performed Cal Adjustment to bring values closer to Nominal. SP

QA/QC 10/10/17 [illegible]

[signature] 10/10/17

Quality Control Review Date

- ☒ **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**

STABILITY CHECKS #80-001004

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001004
10/09/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:08
Control Test	0.045	13:08
Air Blank	0.000	13:09
Control Test	0.051	13:09
Air Blank	0.000	13:10
Control Test	0.051	13:11
Air Blank	0.000	13:11
Control Test Stats		
Average	0.0490	
Std Dev	0.0035	
Rel Std Dev(%)	7.0696	

SP
Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001004
10/09/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:01
Control Test	0.080	13:02
Air Blank	0.000	13:02
Control Test	0.082	13:03
Air Blank	0.000	13:03
Control Test	0.081	13:04
Air Blank	0.000	13:05
Control Test Stats		
Average	0.0810	
Std Dev	0.0010	
Rel Std Dev(%)	1.2346	

SP
Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001004
10/09/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:48
Control Test	0.196	13:48
Air Blank	0.000	13:49
Control Test	0.198	13:50
Air Blank	0.000	13:50
Control Test	0.199	13:51
Air Blank	0.000	13:51
Control Test Stats		
Average	0.1977	
Std Dev	0.0015	
Rel Std Dev(%)	0.7728	

SP
Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001004
10/09/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:53
Control Test	0.082	13:54
Air Blank	0.000	13:54
Control Test	0.083	13:54
Air Blank	0.000	13:55
Control Test	0.083	13:55
Air Blank	0.000	13:56
Control Test Stats		
Average	0.0827	
Std Dev	0.0006	
Rel Std Dev(%)	0.6984	

DGS

SP
Operator's Signature

10/10/17

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001004
10/10/2017 09:41:06

Auto Calibration
Max Power Res Value = 21
Auto Range Res Value = 10

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12545, 9um Io = 13749

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0900	(-0.0030)
Sample #2 =	0.0660	(0.0340)
Sample #3 =	0.0780	(0.0730)
Sample #4 =	0.1080	(0.0690)

Avg % Abs = 0.0840 (0.0587)
STD DEV = 0.0216 (0.0215)
REL STD DEV = 25.754 (36.572)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0880	(-0.0230)
Sample #2 =	0.0790	(-0.0070)
Sample #3 =	0.0850	(0.0110)
Sample #4 =	0.1010	(0.0100)

Avg % Abs = 0.0883 (0.0047)
STD DEV = 0.0114 (0.0101)
REL STD DEV = 12.875 (216.771)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12529, 9um Io = 13746

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7830	(-0.0200)
Sample #2 =	0.8090	(0.0020)
Sample #3 =	0.8240	(0.0140)
Sample #4 =	0.8140	(0.0000)

Avg % Abs = 0.8157 (0.0053)
STD DEV = 0.0076 (0.0076)
REL STD DEV = 0.936 (141.973)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4200	(0.0070)
Sample #2 =	1.4690	(0.0070)
Sample #3 =	1.4560	(0.0280)
Sample #4 =	1.4580	(0.0230)

Avg % Abs = 1.4610 (0.0193)
STD DEV = 0.0070 (0.0110)
REL STD DEV = 0.479 (56.740)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12524, 9um Io = 13742

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.9160	(-0.0160)
Sample #2 =	1.9020	(0.0780)
Sample #3 =	1.9210	(0.0610)
Sample #4 =	1.9090	(0.0650)

Avg % Abs = 1.9107 (0.0680)
STD DEV = 0.0096 (0.0089)
REL STD DEV = 0.503 (13.071)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5090	(-0.0020)
Sample #2 =	3.4830	(0.0600)
Sample #3 =	3.5250	(0.0400)
Sample #4 =	3.5160	(0.0460)

Avg % Abs = 3.5080 (0.0487)
STD DEV = 0.0221 (0.0103)
REL STD DEV = 0.630 (21.089)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12509, 9um Io = 13730

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6230	(-0.0180)
Sample #2 =	3.6390	(-0.0240)
Sample #3 =	3.6520	(-0.0050)
Sample #4 =	3.6530	(0.0160)

Avg % Abs = 3.6480 (-0.0043)
STD DEV = 0.0078 (0.0200)
REL STD DEV = 0.214 (461.731)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.6670	(-0.0300)
Sample #2 =	6.6650	(-0.0140)
Sample #3 =	6.7060	(-0.0060)
Sample #4 =	6.7360	(-0.0020)

Avg % Abs = 6.7023 (-0.0073)
STD DEV = 0.0356 (0.0061)
REL STD DEV = 0.532 (83.320)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12506, 9um Io = 13727

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.3270	(-0.0160)
Sample #2 =	5.3410	(0.0240)
Sample #3 =	5.3540	(0.0080)
Sample #4 =	5.3630	(0.0420)

Avg % Abs = 5.3527 (0.0247)
STD DEV = 0.0111 (0.0170)
REL STD DEV = 0.207 (68.959)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.7660	(-0.0300)
Sample #2 =	9.7660	(0.0100)
Sample #3 =	9.7840	(-0.0080)
Sample #4 =	9.8030	(0.0090)

Avg % Abs = 9.7843 (0.0037)
STD DEV = 0.0185 (0.0101)
REL STD DEV = 0.189 (275.891)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.084
Std Dev = 0.02 Rel Std Dev = 25.75
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.816
Std Dev = 0.01 Rel Std Dev = 0.94
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.911
Std Dev = 0.01 Rel Std Dev = 0.50
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.648
Std Dev = 0.01 Rel Std Dev = 0.21
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.353
Std Dev = 0.01 Rel Std Dev = 0.21
Zero Order Coef = -216.67
First Order Coef = 2566.91
Second Order Coef = 26.83
Standard Deviation = 16.428709

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.088
Std Dev = 0.01 Rel Std Dev = 12.87
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.461
Std Dev = 0.01 Rel Std Dev = 0.48
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.508
Std Dev = 0.02 Rel Std Dev = 0.63
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.702
Std Dev = 0.04 Rel Std Dev = 0.53
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.784
Std Dev = 0.02 Rel Std Dev = 0.19
Zero Order Coef = -117.15
First Order Coef = 1356.05
Second Order Coef = 11.90
Standard Deviation = 17.101013

CALIBRATION ADJUSTMENT
#80-001004
BREVARD CSO SP

Solution Stats Quadratic Fit Chan 1

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	-0.000	0.0000
0.040	0.040	0.0002
0.100	0.101	-0.0005
0.200	0.200	0.0004
0.300	0.300	-0.0001

Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0001
0.040	0.040	0.0003
0.100	0.101	-0.0005
0.200	0.200	0.0004
0.300	0.300	-0.0001

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3154.00
Sample #2 = 3177.00
Sample #3 = 3177.00
Sample #4 = 3180.00
Average Result = 3178.0000
STD DEV = 1.7321
REL STD DEV = 0.055
****
***** CHANNEL 2
Sample #1 = 3417.00
Sample #2 = 3414.00
Sample #3 = 3448.00
Sample #4 = 3463.00
Average Result = 3441.6667
STD DEV = 25.1064
REL STD DEV = 0.729
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1017
3 um H20 Adjust (mg/l*10,000) = 631
9 um H20 Adjust (mg/l*10,000) = 368
**** AUTO CAL PASS

POST CAL-ADJUST STABILITY CHECKS #80-001004 BREVARD CSO

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001004
10/10/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:33
Control Test	0.051	10:33
Air Blank	0.000	10:34
Control Test	0.051	10:35
Air Blank	0.000	10:35
Control Test	0.050	10:36
Air Blank	0.000	10:36
Control Test Stats		
Average	0.0507	
Std Dev	0.0006	
Rel Std Dev(%)	1.1395	

SP
Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001004
10/10/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:37
Control Test	0.082	10:38
Air Blank	0.000	10:38
Control Test	0.082	10:39
Air Blank	0.000	10:40
Control Test	0.082	10:40
Air Blank	0.000	10:41
Control Test Stats		
Average	0.0820	
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
10/10/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:46
Control Test	0.200	10:46
Air Blank	0.000	10:47
Control Test	0.199	10:47
Air Blank	0.000	10:48
Control Test	0.201	10:49
Air Blank	0.000	10:49
Control Test Stats		
Average	0.2000	
Std Dev	0.0010	
Rel Std Dev(%)	0.5000	

SP
Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001004
10/10/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:42
Control Test	0.080	10:42
Air Blank	0.000	10:42
Control Test	0.081	10:43
Air Blank	0.000	10:43
Control Test	0.081	10:44
Air Blank	0.000	10:44
Control Test Stats		
Average	0.0807	
Std Dev	0.0006	
Rel Std Dev(%)	0.7157	

DGS

SP
Operator's Signature

10/10/17 DGS