FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Sarasota County S/N 80-005936

Date In 9/6/17 Date Out 9/18/17 ☒Ship ☐P/U ☐H/D ☐CMI ☐EE

RECEIVED SEP 19 2017 FDLE Alcohol Testing Program

Intake Performed By JDB

- ☐ 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

- ☒ Lab Temp °C 22.0
- ☒ Breath Tube Screen
- ☒ Replace External O-Rings
- ☒ Instrument Set Up Verified
- ☒ R-Value 193
- ☒ Flow Verification (L/s)

Flow Column # ATP105

32mm	.156	(.139 - .169)
36mm	.167	(.156 - .190)
53mm	.238	(.228 - .278)
103mm	.515	(.447 - .547)

- ☒ Barometric Pressure Check

Gauge ID # 28427

- ☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	G2078	201707D 7-25-19
0.08	G8149	201707E 7-25-19
0.20	G2408	201707C 7-24-19
0.08 DGS	N/A	AG626604 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 #: G2078
- ☒ 34°C +-.2 Serial #: G8149
- ☒ 34°C +-.2 Serial #: G2408

Calibration Adjustment Performed By SP

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

Barometric Pressure Gauge 1014 ID # 26932

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	24515080A3	10-5-17

☒ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	G2078	201707D	7-25-19
0.08	G8149	201707E	7-25-19
0.20	G2408	201707C	7-24-19
0.08 DGS	N/A	AG626604	9-22-18

Department Inspection Performed By SP

☒ Barometric Pressure ID# 28427

1014 Gauge
1015 Instrument

Mouth Alcohol Solution Lot # 2016-C
Acetone Stock Solution Lot # 2017-A

Simulator	Serial Number
0.00	G2879
Interferent	G8144
0.05	G2078
0.08	G8149
0.20	G2408

Attachments

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

Notes/Suggested Service:
QA/QC OK JDB 9/19/2017

JJ Graham
Quality Control Review

9/19/17
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 - #80-005936 - SARASOTA COUNTY SO

SARASOTA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005936
09/07/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:22
Control Test	0.050	09:23
Air Blank	0.000	09:24
Control Test	0.050	09:24
Air Blank	0.000	09:25
Control Test	0.051	09:25
Air Blank	0.000	09:26
Control Test Stats		
Average	0.0503	
Std Dev	0.0006	
Rel Std Dev(%)	1.1471	

SP
Operator's Signature

9/7/17

SARASOTA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005936
09/07/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:28
Control Test	0.083	09:28
Air Blank	0.000	09:29
Control Test	0.083	09:30
Air Blank	0.000	09:30
Control Test	0.083	09:31
Air Blank	0.000	09:31
Control Test Stats		
Average	0.0830	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

SP
Operator's Signature

SARASOTA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005936
09/07/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:33
Control Test	0.204	09:34
Air Blank	0.000	09:35
Control Test	0.205	09:35
Air Blank	0.000	09:36
Control Test	0.205	09:37
Air Blank	0.000	09:37
Control Test Stats		
Average	0.2047	
Std Dev	0.0006	
Rel Std Dev(%)	0.2821	

SP
Operator's Signature

SARASOTA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005936
09/07/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:39
Control Test	0.080	09:39
Air Blank	0.000	09:40
Control Test	0.080	09:40
Air Blank	0.000	09:41
Control Test	0.080	09:41
Air Blank	0.000	09:41
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

DGS

SP
Operator's Signature

SARASOTA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005936
09/18/2017 08:51:36

Auto Calibration
Max Power Res Value = 26
Auto Range Res Value = 13

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12729, 9um Io = 13678

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0610	(-0.0170)
Sample #2 =	0.0420	(0.0380)
Sample #3 =	0.0620	(0.0400)
Sample #4 =	0.0330	(0.0610)

Avg % Abs = 0.0457 (0.0463)
STD DEV = 0.0148 (0.0127)
REL STD DEV = 32.504 (27.499)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1090	(-0.0140)
Sample #2 =	0.1230	(0.0010)
Sample #3 =	0.1260	(-0.0100)
Sample #4 =	0.1060	(0.0070)

Avg % Abs = 0.1183 (-0.0007)
STD DEV = 0.0108 (0.0086)
REL STD DEV = 9.115 (1293.252)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12716, 9um Io = 13673

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7310	(-0.0220)
Sample #2 =	0.7200	(0.0340)
Sample #3 =	0.6680	(0.0550)
Sample #4 =	0.7020	(0.0520)

Avg % Abs = 0.6967 (0.0470)
STD DEV = 0.0264 (0.0114)
REL STD DEV = 3.790 (24.166)

9/18/17
JP

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4920	(-0.0080)
Sample #2 =	1.4730	(0.0180)
Sample #3 =	1.4700	(0.0020)
Sample #4 =	1.4750	(0.0090)

Avg % Abs = 1.4727 (0.0097)
STD DEV = 0.0025 (0.0080)
REL STD DEV = 0.171 (82.974)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12704, 9um Io = 13668

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.6770	(-0.0010)
Sample #2 =	1.7390	(-0.0160)
Sample #3 =	1.6920	(0.0230)
Sample #4 =	1.6950	(0.0250)

Avg % Abs = 1.7087 (0.0107)
STD DEV = 0.0263 (0.0231)
REL STD DEV = 1.540 (216.709)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4750	(0.0020)
Sample #2 =	3.5530	(-0.0010)
Sample #3 =	3.5050	(0.0230)
Sample #4 =	3.5290	(0.0040)

Avg % Abs = 3.5290 (0.0087)
STD DEV = 0.0240 (0.0127)
REL STD DEV = 0.680 (146.103)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12699, 9um Io = 13664

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.3100	(-0.0190)
Sample #2 =	3.3360	(0.0040)
Sample #3 =	3.3220	(0.0160)
Sample #4 =	3.3500	(0.0280)

Avg % Abs = 3.3360 (0.0160)
STD DEV = 0.0140 (0.0120)
REL STD DEV = 0.420 (75.000)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.6980	(-0.0070)
Sample #2 =	6.7240	(-0.0040)
Sample #3 =	6.7330	(0.0210)
Sample #4 =	6.7390	(0.0150)

Avg % Abs = 6.7320 (0.0107)
STD DEV = 0.0076 (0.0131)
REL STD DEV = 0.112 (122.355)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12690, 9um Io = 13658

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	4.8940	(-0.0230)
Sample #2 =	4.8450	(0.0260)
Sample #3 =	4.9110	(0.0080)
Sample #4 =	4.8930	(0.0470)

Avg % Abs = 4.8830 (0.0270)
STD DEV = [illegible]
REL STD DEV = 0.699 (72.293)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.7680	(-0.0160)
Sample #2 =	9.7430	(0.0210)
Sample #3 =	9.7850	(0.0060)
Sample #4 =	9.7740	(0.0220)

Avg % Abs = 9.7673 (0.0163)
STD DEV = 0.0218 (0.0090)
REL STD DEV = 0.223 (54.875)

CALIBRATION ADJUSTMENT
#80-005936
SP

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.046
Std Dev = 0.01 Rel Std Dev = 32.50
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.697
Std Dev = 0.03 Rel Std Dev = 3.79
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.709
Std Dev = 0.03 Rel Std Dev = 1.54
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.336
Std Dev = 0.01 Rel Std Dev = 0.42
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 4.883
Std Dev = 0.03 Rel Std Dev = 0.70
Zero Order Coef = -94.53
First Order Coef = 2783.31
Second Order Coef = 32.59
Standard Deviation = 31.976543

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.118
Std Dev = 0.01 Rel Std Dev = 9.11
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.473
Std Dev = 0.00 Rel Std Dev = 0.17
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.529
Std Dev = 0.02 Rel Std Dev = 0.66
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.732
Std Dev = 0.01 Rel Std Dev = 0.11
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.767
Std Dev = 0.02 Rel Std Dev = 0.22
Zero Order Coef = -140.76
First Order Coef = 1346.20
Second Order Coef = 13.36
Standard Deviation = 20.861670

Solution Stats Quadratic Fit Chan 1

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.001	-0.0007
0.040	0.039	0.0009
0.100	0.100	0.0001
0.200	0.201	-0.0006
0.300	0.300	0.0003

Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0004
0.040	0.039	0.0007
0.100	0.100	-0.0003
0.200	0.200	-0.0001
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 = 3435.00
Sample #2 = 3428.00
Sample #3 = 3426.00
Sample #4 = 3431.00
Average Result = 3428.3333
STD DEV = 2.5166
REL STD DEV = 0.073
****
***** CHANNEL 2
Sample #1 = 3392.00
Sample #2 = 3371.00
Sample #3 = 3348.00
Sample #4 = 3338.00
Average Result = 3352.3333
STD DEV = 16.9214
REL STD DEV = 0.505
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1014
3 um H2O Adjust (mg/l*10,000) = 381
9 um H2O Adjust (mg/l*10,000) = 457
**** AUTO CAL PASS

9/18/17

POST CAL-ADJUSTMENT STABILITIES -#80-005936

SARASOTA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005936
09/18/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:44
Control Test	0.049	09:45
Air Blank	0.000	09:45
Control Test	0.049	09:46
Air Blank	0.000	09:47
Control Test	0.050	09:47
Air Blank	0.000	09:48
Control Test Stats		
Average	0.0493	
Std Dev	0.0006	
Rel Std Dev(%)	1.1703	

SP
Operator's Signature

SARASOTA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005936
09/18/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:39
Control Test	0.080	09:40
Air Blank	0.000	09:41
Control Test	0.081	09:41
Air Blank	0.000	09:42
Control Test	0.082	09:42
Air Blank	0.000	09:43
Control Test Stats		
Average	0.0810	
Std Dev	0.0010	
Rel Std Dev(%)	1.2346	

SP
Operator's Signature

SARASOTA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005936
09/18/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:34
Control Test	0.200	09:35
Air Blank	0.000	09:36
Control Test	0.200	09:36
Air Blank	0.000	09:37
Control Test	0.200	09:38
Air Blank	0.000	09:38
Control Test Stats		
Average	0.2000	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

SP
Operator's Signature

SARASOTA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005936
09/18/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:31
Control Test	0.081	09:31
Air Blank	0.000	09:32
Control Test	0.080	09:32
Air Blank	0.000	09:33
Control Test	0.080	09:33
Air Blank	0.000	09:34
Control Test Stats		
Average	0.0803	
Std Dev	0.0006	
Rel Std Dev(%)	0.7187	

DGS

SP
Operator's Signature

9/19/17