FDLE
Alcohol Testing Program

INSTRUCTION PROCESSING SHEET

Agency Martin County S/N 80-001439

Date In 2/6/17 Date Out 2/9/17 ☒ Ship ☐ P/U ☐ H/D ☐ CMI ☐ EE

Intake Performed By BP

- ☐ 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 190
- ☒ Flow Verification (L/s)

Flow Column # ATP103

32mm .144 (.139 - .169)
36mm .164 (.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	DR1279	201601F 1-26-18
0.20	DR3855	201604C 4-5-18
0.08 DGS	N/A	AG626605 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)

RECEIVED
FEB 13 2017
FDLE
Alcohol Testing Program

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 1018 ID # 26932

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	15615080A2	7-6-17

- ☒ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	G3709	2016030	3-8-18
0.08	DR1279	201601F	1-26-18
0.20	DR3855	201604C	4-5-18
0.08 DGS	N/A	AG626605	9-22-18

Department Inspection Performed By SP

- ☒ Barometric Pressure 1019 Gauge

ID# 28427 1019 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	DR1279
0.20	DR3855

Attachments

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

Notes: QC (initials) 2/13/17

- ☒ **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**

Brett Kirkland
Quality Control Review

2/13/17
Date

STABILITY CHECKS - INSTRUMENT #80-001439 - MARTIN COUNTY SO 2/9/17

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001439
02/09/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:24
Control Test	0.047	09:25
Air Blank	0.000	09:25
Control Test	0.047	09:26
Air Blank	0.000	09:27
Control Test	0.047	09:27
Air Blank	0.000	09:28
Control Test Stats		
Average	0.0470	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

SP
Operator's Signature

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001439
02/09/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:29
Control Test	0.076	09:30
Air Blank	0.000	09:30
Control Test	0.076	09:31
Air Blank	0.000	09:32
Control Test	0.076	09:32
Air Blank	0.000	09:33
Control Test Stats		
Average	0.0760	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

SP
Operator's Signature

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001439
02/09/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:34
Control Test	0.194	09:35
Air Blank	0.000	09:35
Control Test	0.194	09:36
Air Blank	0.000	09:36
Control Test	0.193	09:37
Air Blank	0.000	09:38
Control Test Stats		
Average	0.1937	
Std Dev	0.0006	
Rel Std Dev(%)	0.2981	

SP
Operator's Signature

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001439
02/09/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:40
Control Test	0.078	09:40
Air Blank	0.000	09:41
Control Test	0.079	09:41
Air Blank	0.000	09:42
Control Test	0.079	09:42
Air Blank	0.000	09:42
Control Test Stats		
Average	0.0787	
Std Dev	0.0006	
Rel Std Dev(%)	0.7339	

DGS

BK

SP
Operator's Signature

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001439
02/09/2017 09:56:06

Auto Calibration
Max Power Res Value = 34
Auto Range Res Value = 20

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12749, 9um Io = 13332
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0990	(-0.0130)
Sample #2 =	0.0770	(0.0190)
Sample #3 =	0.0810	(0.0600)
Sample #4 =	0.0850	(0.0560)

Avg % Abs = 0.0810 (0.0450)
STD DEV = 0.0040 (0.0226)
REL STD DEV = 4.938 (50.234)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1010	(-0.0110)
Sample #2 =	0.0960	(0.0080)
Sample #3 =	0.0680	(0.0290)
Sample #4 =	0.1120	(0.0070)

Avg % Abs = 0.0920 (0.0147)
STD DEV = 0.0223 (0.0124)
REL STD DEV = 24.208 (84.703)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12738, 9um Io = 13327
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7890	(-0.0150)
Sample #2 =	0.7590	(0.0260)
Sample #3 =	0.7940	(0.0380)
Sample #4 =	0.7960	(0.0300)

Avg % Abs = 0.7830 (0.0313)
STD DEV = 0.0208 (0.0061)
REL STD DEV = 2.658 (19.500)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5120	(-0.0270)
Sample #2 =	1.5190	(-0.0110)
Sample #3 =	1.5080	(0.0020)
Sample #4 =	1.5070	(0.0080)

Avg % Abs = 1.5113 (-0.0003)
STD DEV = 0.0067 (0.0097)
REL STD DEV = 0.441 (2913.763)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12731, 9um Io = 13323
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8850	(-0.0080)
Sample #2 =	1.8890	(0.0040)
Sample #3 =	1.8670	(0.0490)
Sample #4 =	1.8730	(0.0270)

Avg % Abs = 1.8763 (0.0267)
STD DEV = 0.0114 (0.0225)
REL STD DEV = 0.606 (84.382)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6570	(-0.0280)
Sample #2 =	3.6490	(-0.0170)
Sample #3 =	3.6670	(-0.0120)
Sample #4 =	3.6620	(-0.0220)

Avg % Abs = 3.6593 (-0.0170)
STD DEV = 0.0093 (0.0050)
REL STD DEV = 0.254 (29.412)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12724, 9um Io = 13323
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6700	(-0.0270)
Sample #2 =	3.6350	(0.0240)
Sample #3 =	3.6350	(0.0030)
Sample #4 =	3.6690	(0.0090)

Avg % Abs = 3.6463 (0.0120)
STD DEV = 0.0196 (0.0108)
REL STD DEV = 0.538 (90.139)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.0240	(-0.0100)
Sample #2 =	7.0250	(0.0170)
Sample #3 =	7.0390	(0.0080)
Sample #4 =	7.0470	(0.0020)

Avg % Abs = 7.0370 (0.0090)
STD DEV = 0.0111 (0.0075)
REL STD DEV = 0.158 (83.887)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12717, 9um Io = 13321
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.9930	(-0.0270)
Sample #2 =	7.0170	(-0.0270)
Sample #3 =	6.9870	(0.0110)
Sample #4 =	7.0040	(-0.0060)

Avg % Abs = 7.0027 (-0.0073)
STD DEV = 0.0150 (0.0190)
REL STD DEV = 0.215 (259.569)

OPTICAL
BENCH
CALIBRATION

INSTRUMENT
#80-001439

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	13.2330	(-0.0270)
Sample #2 =	13.2720	(0.0000)
Sample #3 =	13.2570	(0.0150)
Sample #4 =	13.2650	(0.0140)

Avg % Abs = 13.2647 (0.0097)
STD DEV = 0.0075 (0.0084)
REL STD DEV = 0.057 (86.757)

***** AUTO CAL DATA *****
<<<<< CHANNEL 1 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.081
Std Dev = 0.00 Rel Std Dev = 4.94
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.783
Std Dev = 0.02 Rel Std Dev = 2.66
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.876
Std Dev = 0.01 Rel Std Dev = 0.61
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.646
Std Dev = 0.02 Rel Std Dev = 0.54
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 7.003
Std Dev = 0.02 Rel Std Dev = 0.21
Zero Order Coef = -174.11
First Order Coef = 2581.46
Second Order Coef = 23.23
Standard Deviation = 30.910446

<<<<< CHANNEL 2 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.092
Std Dev = 0.02 Rel Std Dev = 24.21
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.511
Std Dev = 0.01 Rel Std Dev = 0.44
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.659
Std Dev = 0.01 Rel Std Dev = 0.25
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 7.037
Std Dev = 0.01 Rel Std Dev = 0.16
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 13.265
Std Dev = 0.01 Rel Std Dev = 0.06
Zero Order Coef = -96.11
First Order Coef = 1284.45
Second Order Coef = 11.95
Standard Deviation = 20.392097

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	0.0002
0.200	0.200	-0.0005
0.400	0.400	0.0001

Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0005
0.040	0.039	0.0007
0.100	0.100	-0.0000
0.200	0.200	-0.0002
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 = 3267.00
Sample #2 = 3338.00
Sample #3 = 3340.00
Sample #4 = 3292.00
Average Result = 3323.3333 BK
STD DEV = 27.1539
REL STD DEV = 0.817
****
***** CHANNEL 2
Sample #1 = 3452.00
Sample #2 = 3483.00
Sample #3 = 3492.00
Sample #4 = 3454.00
Average Result = 3476.3333
STD DEV = 19.8578
REL STD DEV = 0.571
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1018
3 um H2O Adjust (mg/l*10,000) = 486
9 um H2O Adjust (mg/l*10,000) = 333
**** AUTO CAL PASS

POST CALIBRATION STABILITY CHECKS - INSTRUMENT #80-001439

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001439
02/09/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:35
Control Test	0.050	10:35
Air Blank	0.000	10:36
Control Test	0.050	10:37
Air Blank	0.000	10:37
Control Test	0.050	10:38
Air Blank	0.000	10:38
Control Test Stats		
Average	0.0500	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

SP
Operator's Signature

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001439
02/09/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:40
Control Test	0.078	10:41
Air Blank	0.000	10:41
Control Test	0.079	10:42
Air Blank	0.000	10:42
Control Test	0.080	10:43
Air Blank	0.000	10:44
Control Test Stats		
Average	0.0790	
Std Dev	0.0010	
Rel Std Dev(%)	1.2658	

SP
Operator's Signature

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001439
02/09/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:46
Control Test	0.196	10:46
Air Blank	0.000	10:47
Control Test	0.197	10:48
Air Blank	0.000	10:48
Control Test	0.197	10:49
Air Blank	0.000	10:49
Control Test Stats		
Average	0.1967	
Std Dev	0.0006	
Rel Std Dev(%)	0.2936	

SP
Operator's Signature

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001439
02/09/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:51
Control Test	0.079	10:51
Air Blank	0.000	10:52
Control Test	0.079	10:52
Air Blank	0.000	10:52
Control Test	0.080	10:53
Air Blank	0.000	10:53
Control Test Stats		
Average	0.0793	
Std Dev	0.0006	
Rel Std Dev(%)	0.7277	

DGS
BK

SP
Operator's Signature