FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Martin County S/N 80-006169

Date In 6/1/17 Date Out 6/6/17 ☒Ship ☐P/U ☐H/D ☐CMI ☐EE

Intake Performed By [illegible]

- ☐ 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

- ☒ Lab Temp °C 21.0
- ☒ Breath Tube Screen
- ☒ Replace External O-Rings
- ☒ Instrument Set Up Verified
- ☒ R-Value 151
- ☒ Flow Verification (L/s)

Flow Column # ATP102
32mm .128 (.139 - .169)
36mm .144 (.156 - .190)
53mm .218 (.228 - .278)
103mm .492 (.447 - .547)

- ☒ Barometric Pressure Check
Gauge ID # 28427
- ☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	SD3962	2016030 3-8-18
0.08	SD3964	201611B 11-15-18
0.20	SD3933	201604C 4-5-18
0.08 DGS	N/A	AG626604 9-22-18

Flow Calibration Performed By SP

- ☐ Flow Calibration N/A
- ☒ Flow Calibration Complete
Flow Column # ATP103
  - ☒ 5L/min – 17mm
  - ☒ 15L/min – 53mm
  - ☒ 30L/min – 103mm
- ☒ R-Value 147
- ☒ Post Calibration Verification (L/s)
Flow Column # ATP102
32mm .148 (.139 - .169)
36mm .171 (.156 - .190)
53mm .234 (.228 - .278)
103mm .496 (.447 - .547)

RECEIVED JUN 06 2017 FDLE Alcohol Testing Program

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#: 300505

- ☒ 34°C +-.2 Serial #: SD3962
- ☒ 34°C +-.2 Serial #: SD3964
- ☒ 34°C +-.2 Serial #: SD3933

Calibration Adjustment Performed By SP

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

Barometric Pressure Gauge 1005 ID # 28421

Simulator	Serial Number	Lot Number	Expiration
0.000	SD1019	N/A	N/A
0.040	SD1018	16320	10-21-18
0.100	SD1013	17060	2-14-19
0.200	SD1011	17090	2-24-19
0.300	DR1275	16410	12-19-18
0.080 DGS	N/A	15615080A2	7-5-17

☒ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD3962	2016030	3-8-18
0.08	SD3964	201611B	11-15-18
0.20	SD3933	201604C	4-5-18
0.08 DGS	N/A	AG626604	9-22-18

Department Inspection Performed By SP

☒ Barometric Pressure ID# 28427 — 1005 Gauge — 1005 Instrument

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

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
- ☒ Calibration Adjustment
- ☒ Post-Stability Tests
- ☐ Other ______

Notes/Suggested Service:
PERFORMED CAL ADJUSTMENT TO BRING VALUES CLOSER TO NOMINAL SP

QA/QC ✓ AMB

[signature] 6/6/17
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**

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006169
06/05/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:38
Control Test	0.051	09:38
Air Blank	0.000	09:39
Control Test	0.050	09:40
Air Blank	0.000	09:40
Control Test	0.050	09:41
Air Blank	0.000	09:42

Control Test Stats

Average	0.0503
Std Dev	0.0006
Rel Std Dev(%)	1.1471

SP
Operator's Signature

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006169
06/05/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:43
Control Test	0.082	09:44
Air Blank	0.000	09:44
Control Test	0.081	09:45
Air Blank	0.000	09:46
Control Test	0.081	09:46
Air Blank	0.000	09:47

Control Test Stats

Average	0.0813
Std Dev	0.0006
Rel Std Dev(%)	0.7099

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Operator's Signature

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006169
06/05/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:28
Control Test	0.201	09:29
Air Blank	0.000	09:30
Control Test	0.200	09:30
Air Blank	0.000	09:31
Control Test	0.200	09:32
Air Blank	0.000	09:32

Control Test Stats

Average	0.2003
Std Dev	0.0006
Rel Std Dev(%)	0.2882

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Operator's Signature

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006169
06/05/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:34
Control Test	0.078	09:34
Air Blank	0.000	09:35
Control Test	0.078	09:35
Air Blank	0.000	09:36
Control Test	0.078	09:36
Air Blank	0.000	09:37

Control Test Stats

Average	0.0780
Std Dev	0.0000
Rel Std Dev(%)	0.0000

DGS

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Operator's Signature

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006169
06/05/2017
Software: 8100.27

SP

Flow Rate Calibration********
1: Rate (Liters/min) = 5
SQRT(Diff)) = 6.324
2: Rate (Liters/min) = 15
SQRT(Diff)) = 11.398
3: Rate (Liters/min) = 30
SQRT(Diff)) = 21.234
Dependent Data Scale Factor = 100000 L/min
Independent Data Scale Factor = 256
Rounded Slope = 647
Rounded Intercept = -483897
Correlation = 0.99773

MARTIN COUNTY SO

STABILITY CHECKS & FLOW CALIBRATIO

DWB

JE

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MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000                SN 80-006169
06/06/2017                    08:20:30

Auto Calibration
Max Power Res Value = 54
Auto Range Res Value = 28

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l  %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12455, 9um Io = 13900
    <<<<< CHANNEL 1 >>>>>
 Sample       % Abs     (% Abs Ref)
Sample #1 =  0.0630    (-0.0070)
Sample #2 =  0.0060    (0.0420)
Sample #3 =  0.0180    (0.0460)
Sample #4 =  0.0160    (0.0640)
Avg % Abs = 0.0133  (0.0507)
STD DEV =  0.0064  (0.0117)
REL STD DEV = 48.218  (23.129)
    -------------------

    <<<<< CHANNEL 2 >>>>>
 Sample       % Abs     (% Abs Ref)
Sample #1 =  0.1240    (0.0000)
Sample #2 =  0.1220    (-0.0100)
Sample #3 =  0.1210    (-0.0090)
Sample #4 =  0.1290    (-0.0140)
Avg % Abs = 0.1240  (-0.0110)
STD DEV =  0.0044  (0.0026)
REL STD DEV = 3.515  (24.052)
    -------------------

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l  %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12447, 9um Io = 13900
    <<<<< CHANNEL 1 >>>>>
 Sample       % Abs     (% Abs Ref)
Sample #1 =  0.7350    (-0.0150)
Sample #2 =  0.6760    (0.0300)
Sample #3 =  0.6960    (0.0190)
Sample #4 =  0.7270    (0.0280)
Avg % Abs = 0.6997  (0.0257)
STD DEV =  0.0257  (0.0059)
REL STD DEV = 3.673  (22.829)
    -------------------

    <<<<< CHANNEL 2 >>>>>
 Sample       % Abs     (% Abs Ref)
Sample #1 =  1.4960    (-0.0070)
Sample #2 =  1.4670    (0.0000)
Sample #3 =  1.4910    (-0.0050)
Sample #4 =  1.4840    (0.0000)
Avg % Abs = 1.4807  (-0.0017)
STD DEV =  0.0123  (0.0029)
REL STD DEV = 0.834  (173.205)
    -------------------

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l  %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12440, 9um Io = 13895
    <<<<< CHANNEL 1 >>>>>
 Sample       % Abs     (% Abs Ref)
Sample #1 =  1.6970    (-0.0090)
Sample #2 =  1.7250    (-0.0050)
Sample #3 =  1.6750    (0.0290)
Sample #4 =  1.7410    (0.0110)
Avg % Abs = 1.7137  (0.0117)
STD DEV =  0.0344  (0.0170)
REL STD DEV = 2.009  (145.798)
    -------------------

    <<<<< CHANNEL 2 >>>>>
 Sample       % Abs     (% Abs Ref)
Sample #1 =  3.4650    (-0.0110)
Sample #2 =  3.4670    (-0.0060)
Sample #3 =  3.4310    (0.0110)
Sample #4 =  3.4800    (-0.0020)
Avg % Abs = 3.4593  (0.0010)
STD DEV =  0.0254  (0.0089)
REL STD DEV = 0.734  (888.820)
    -------------------

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l  %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12435, 9um Io = 13895
    <<<<< CHANNEL 1 >>>>>
 Sample       % Abs     (% Abs Ref)
Sample #1 =  3.2650    (-0.0120)
Sample #2 =  3.3110    (-0.0060)
Sample #3 =  3.2510    (0.0300)
Sample #4 =  3.3010    (0.0200)
Avg % Abs = 3.2877  (0.0147)
STD DEV =  0.0321  (0.0186)
REL STD DEV = 0.978  (126.703)
    -------------------

    <<<<< CHANNEL 2 >>>>>
 Sample       % Abs     (% Abs Ref)
Sample #1 =  6.5120    (0.0000)
Sample #2 =  6.5650    (0.0140)
Sample #3 =  6.5260    (0.0410)
Sample #4 =  6.5420    (0.0350)
Avg % Abs = 6.5443  (0.0300)
STD DEV =  0.0196  (0.0142)
REL STD DEV = 0.300  (47.258)
    -------------------

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l  %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12434, 9um Io = 13893
    <<<<< CHANNEL 1 >>>>>
 Sample       % Abs     (% Abs Ref)
Sample #1 =  4.8680    (-0.0030)
Sample #2 =  4.8510    (0.0380)
Sample #3 =  4.8070    (0.0660)
Sample #4 =  4.8300    (0.0510)
Avg % Abs = 4.8293  (0.0517)
STD DEV =  0.0220  (0.0140)
REL STD DEV = 0.456  (27.120)
    -------------------

    <<<<< CHANNEL 2 >>>>>
 Sample       % Abs     (% Abs Ref)
Sample #1 =  9.5600    (-0.0090)
Sample #2 =  9.5590    (0.0420)
Sample #3 =  9.5290    (0.0650)
Sample #4 =  9.5270    (0.0530)
Avg % Abs = 9.5383  (0.0533)
STD DEV =  0.0179  (0.0115)
REL STD DEV = 0.188  (21.569)
    -------------------

    ***** AUTO CAL DATA *****
    <<<<< CHANNEL 1 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
 % Abs =    0.013
 Std Dev =   0.01 Rel Std Dev =  48.22
Sol Val = 0.1905 mg/l or 0.040 g/210L
 % Abs =    0.700
 Std Dev =   0.03 Rel Std Dev =   3.67
Sol Val = 0.4762 mg/l or 0.100 g/210L
 % Abs =    1.714
 Std Dev =   0.03 Rel Std Dev =   2.01
Sol Val = 0.9524 mg/l or 0.200 g/210L
 % Abs =    3.288
 Std Dev =   0.03 Rel Std Dev =   0.98
Sol Val = 1.4286 mg/l or 0.300 g/210L
 % Abs =    4.829
 Std Dev =   0.02 Rel Std Dev =   0.46
Zero Order Coef = -45.29
First Order Coef = 2748.57
Second Order Coef =  45.86
Standard Deviation =  27.534641
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    <<<<< CHANNEL 2 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
 % Abs =    0.124
 Std Dev =   0.00 Rel Std Dev =   3.52
Sol Val = 0.1905 mg/l or 0.040 g/210L
 % Abs =    1.481
 Std Dev =   0.01 Rel Std Dev =   0.83
Sol Val = 0.4762 mg/l or 0.100 g/210L
 % Abs =    3.459
 Std Dev =   0.03 Rel Std Dev =   0.73
Sol Val = 0.9524 mg/l or 0.200 g/210L
 % Abs =    6.544
 Std Dev =   0.02 Rel Std Dev =   0.30
Sol Val = 1.4286 mg/l or 0.300 g/210L
 % Abs =    9.538
 Std Dev =   0.02 Rel Std Dev =   0.19
Zero Order Coef = -183.09
First Order Coef = 1391.96
Second Order Coef =  13.21
Standard Deviation =  22.455732
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----------------------------------------
| Solution Stats Quadratic Fit Chan 1 |
|  Act        Fit       Residual      |
| g/210L     g/210L      g/210L       |
| 0.000      -0.000      0.0002       |
| 0.040       0.040      0.0001       |
| 0.100       0.101     -0.0008       |
| 0.200       0.199      0.0008       |
| 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      0.0002       |
| 0.040       0.040     -0.0000       |
| 0.100       0.101     -0.0006       |
| 0.200       0.199      0.0007       |
| 0.300       0.300     -0.0002       |
----------------------------------------

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l  %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 =  3247.00
Sample #2 =  3337.00
Sample #3 =  3345.00
Sample #4 =  3338.00
Average Result = 3340.0000
STD DEV = 4.3589
REL STD DEV = 0.131
**********
***** CHANNEL 2
Sample #1 =  3240.00
Sample #2 =  3243.00
Sample #3 =  3254.00
Sample #4 =  3236.00
Average Result = 3244.3333
STD DEV = 9.0738
REL STD DEV = 0.280
**********
Dry Gas H2O Adjust Results **********
  Barometric Pressure = 1005
  3 um H2O Adjust (mg/l*10,000) = 469
  9 um H2O Adjust (mg/l*10,000) = 565
**** AUTO CAL PASS
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JD

CALIBRATION
ADJUSTMENT
#80-006169 SP

FMB

POST CALIBRATION STABILITY CHECKS #80-006169

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006169
06/06/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:56
Control Test	0.049	09:57
Air Blank	0.000	09:57
Control Test	0.049	09:58
Air Blank	0.000	09:58
Control Test	0.050	09:59
Air Blank	0.000	10:00
Control Test Stats		
Average	0.0493	
Std Dev	0.0006	
Rel Std Dev(%)	1.1703	

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Operator's Signature

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006169
06/06/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:05
Control Test	0.079	10:05
Air Blank	0.000	10:06
Control Test	0.080	10:07
Air Blank	0.000	10:07
Control Test	0.080	10:08
Air Blank	0.000	10:08
Control Test Stats		
Average	0.0797	
Std Dev	0.0006	
Rel Std Dev(%)	0.7247	

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Operator's Signature

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006169
06/06/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:47
Control Test	0.199	09:48
Air Blank	0.000	09:48
Control Test	0.199	09:49
Air Blank	0.000	09:50
Control Test	0.200	09:50
Air Blank	0.000	09:51
Control Test Stats		
Average	0.1993	
Std Dev	0.0006	
Rel Std Dev(%)	0.2896	

SP
Operator's Signature

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006169
06/06/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:52
Control Test	0.081	09:52
Air Blank	0.000	09:53
Control Test	0.081	09:53
Air Blank	0.000	09:54
Control Test	0.081	09:54
Air Blank	0.000	09:55
Control Test Stats		
Average	0.0810	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

DGS

SP
Operator's Signature

JD