FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency MARTIN County SO S/N 80-001189

Date In 9/13/16 Date Out 9/21/16 ☒ Ship ☐ P/U ☐ H/D ☐ CMI ☐ EE

RECEIVED SEP 23 2016 FDLE Alcohol Testing Program

Intake Performed By CS

- ☐ 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 179
- ☒ Flow Verification (L/s)
  - Flow Column # ATP102
  - 32mm 1104 (.139 - .169)
  - 36mm 175 (.156 - .190)
  - 53mm 246 (.228 - .278)
  - 103mm 515 (.447 - .547)
- ☒ Barometric Pressure Check
  - Gauge ID # 28427
- ☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	SD1018	201507A 7-14-17
0.08	SD1011	20160 1F 1-26-18
0.20	SD1025	201604C 4-5-18
0.08 DGS	N/A	AG612405 5-3-18

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 1015 ID # 26932

Simulator	Serial Number	Lot Number	Expiration
0.000	G4444	N/A	N/A
0.040	G2882	16101	2-2-18
0.100	G2078	16001	5-8-18
0.200	G2408	16103	6-14-18
0.400	G5358	16102	3-22-18
0.080 DGS	N/A	1606150804	7-5-17

☒ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD1018	201507A	7-14-17
0.08	SD1011	20160 1F	1-26-18
0.20	SD1025	201604C	4-5-18
0.08 DGS	N/A	AG612405	5-3-18

Department Inspection Performed By SP

☒ Barometric Pressure ID# 28427 — 1017 Gauge / 1014 Instrument

Mouth Alcohol Solution Lot # 2015-A

Acetone Stock Solution Lot # 2016-B

Simulator	Serial Number
0.00	SD1021 1985P
Interferent	SD1021
0.05	SD1018
0.08	SD1011
0.20	SD1025

Attachments

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

Notes: OPTICAL BENCH PERFORMED TO BRING VALUES CLOSER TO NOMINAL. GAUGE: 1016 INSTRUMENT: 1003 SP

QC - KMB

- ☒ **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**

Scott Rutland — Quality Control Review

9/23/16 — Date

Revised November 2012

STABILITY CHECKS - INSTRUMENT # 80-001189 - MARTIN COUNTY SO
9/20/16

SP

DGS

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001189
09/20/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:15
Control Test	0.049	10:16
Air Blank	0.000	10:16
Control Test	0.049	10:17
Air Blank	0.000	10:17
Control Test	0.050	10:18
Air Blank	0.000	10:19

Control Test Stats

Average	0.0493
Std Dev	0.0006
Rel Std Dev(%)	1.1703

SP
Operator's Signature

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001189
09/20/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:21
Control Test	0.079	10:22
Air Blank	0.000	10:22
Control Test	0.080	10:23
Air Blank	0.000	10:23
Control Test	0.079	10:24
Air Blank	0.000	10:25

Control Test Stats

Average	0.0793
Std Dev	0.0006
Rel Std Dev(%)	0.7277

SP
Operator's Signature

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001189
09/20/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:28
Control Test	0.197	10:28
Air Blank	0.000	10:29
Control Test	0.197	10:30
Air Blank	0.000	10:30
Control Test	0.197	10:31
Air Blank	0.000	10:32

Control Test Stats

Average	0.1970
Std Dev	0.0000
Rel Std Dev(%)	0.0000

SP
Operator's Signature

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001189
09/20/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:34
Control Test	0.080	10:34
Air Blank	0.000	10:34
Control Test	0.080	10:35
Air Blank	0.000	10:35
Control Test	0.081	10:36
Air Blank	0.000	10:36

Control Test Stats

Average	0.0803
Std Dev	0.0006
Rel Std Dev(%)	0.7187

SP
Operator's Signature

DGS

LK

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001189
9/21/2016 12:31:03

Auto Calibration
Max Power Res Value = 23
Auto Range Res Value = 7

Sol Value = 0.080 g/210L ***
Fit Value = 0.3020 mg/l %%%%
Samples Taken = 4, Discarded = 1
Sum Io = 12350, Sum Ic = 14030
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1970	(-0.0030)
Sample #2 =	0.1670	(0.0590)
Sample #3 =	0.1840	(0.1070)
Sample #4 =	0.1270	(0.1720)
Avg % Abs =	0.1593	(0.1127)
STD DEV =	0.0293	(0.0567)
REL STD DEV =	18.366	(50.337)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1420	(-0.0070)
Sample #2 =	0.1410	(0.0010)
Sample #3 =	0.1310	(0.0270)
Sample #4 =	0.1310	(0.0340)
Avg % Abs =	0.1343	(0.0207)
STD DEV =	0.0058	(0.0174)
REL STD DEV =	4.298	(84.134)

Sol Value = 0.040 g/210L ***
Fit Value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
Sum Io = 12323, Sum Ic = 14023
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8990	(-0.0130)
Sample #2 =	0.9010	(0.0290)
Sample #3 =	0.8660	(0.0360)
Sample #4 =	0.8430	(0.0820)
Avg % Abs =	0.8700	(0.0490)
STD DEV =	0.0292	(0.0288)
REL STD DEV =	3.357	(58.760)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.6850	(-0.0080)
Sample #2 =	1.5710	(0.0400)
Sample #3 =	1.6110	(0.0120)
Sample #4 =	1.5860	(0.0360)
Avg % Abs =	1.5893	(0.0293)
STD DEV =	0.0202	(0.0151)
REL STD DEV =	1.271	(51.626)

Sol Value = 0.100 g/210L ***
Fit Value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
Sum Io = 12312, Sum Ic = 14018
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.9980	(-0.0090)
Sample #2 =	1.9870	(0.0350)
Sample #3 =	1.9920	(0.0240)
Sample #4 =	2.0020	(0.0360)
Avg % Abs =	1.9937	(0.0317)
STD DEV =	0.0076	(0.0067)
REL STD DEV =	0.383	(21.026)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.7910	(-0.0070)
Sample #2 =	3.7750	(0.0340)
Sample #3 =	3.7850	(0.0350)
Sample #4 =	3.7870	(0.0360)
Avg % Abs =	3.7823	(0.0350)
STD DEV =	0.0064	(0.0010)
REL STD DEV =	0.170	(2.857)

Sol Value = 0.200 g/210L ***
Fit Value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
Sum Io = 12307, Sum Ic = 14014
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.8110	(-0.0090)
Sample #2 =	3.8030	(0.0560)
Sample #3 =	3.8220	(0.0530)
Sample #4 =	3.7890	(0.0910)
Avg % Abs =	3.8047	(0.0667)
STD DEV =	0.0166	(0.0211)
REL STD DEV =	0.435	(31.690)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.2730	(-0.0240)
Sample #2 =	7.2210	(0.0930)
Sample #3 =	7.2370	(0.0890)
Sample #4 =	7.2330	(0.1040)
Avg % Abs =	7.2383	(0.0958)
STD DEV =	0.0083	(0.0082)
REL STD DEV =	0.115	(8.616)

Sol Value = 0.400 g/210L ***
Fit Value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
Sum Io = 12294, Sum Ic = 14005
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.1650	(-0.0220)
Sample #2 =	7.1390	(0.0810)
Sample #3 =	7.1350	(0.0850)
Sample #4 =	7.1150	(0.1100)
Avg % Abs =	7.1297	(0.0920)
STD DEV =	0.0129	(0.0157)
REL STD DEV =	0.180	(17.083)

OPTICAL BENCH CALIBRATION

INSTRUMENT# 80-001189

9/21/16

MARTIN COUNTY SO

SP

OPTICAL BENCH CALIBRATION - INSTRUMENT # 80-001189-
MARTIN COUNTY SO 9/21/16
SP

```
    <<<<< CHANNEL 2 >>>>>
 Sample       % Abs      (% Abs Ref)
Sample #1 = 13.4910     (-0.0110)
Sample #2 = 13.4150     (0.1370)
Sample #3 = 13.4030     (0.1490)
Sample #4 = 13.3950     (0.1710)
Avg % Abs = 13.4043  (0.1523)
STD DEV =  0.0101  (0.0172)
REL STD DEV = 0.075  (11.319)
 ------------------
```

```
     ***** AUTO CAL DATA *****
     <<<<< CHANNEL 1 >>>>>
 Sol Val = 0.0000 mg/l or 0.000 g/210L
  % Abs =    0.159
  Std Dev =   0.03 Rel Std Dev =  18.37
 Sol Val = 0.1905 mg/l or 0.040 g/210L
  % Abs =    0.870
  Std Dev =   0.03 Rel Std Dev =   3.36
 Sol Val = 0.4762 mg/l or 0.100 g/210L
  % Abs =    1.994
  Std Dev =   0.01 Rel Std Dev =   0.38
 Sol Val = 0.9524 mg/l or 0.200 g/210L
  % Abs =    3.805
  Std Dev =   0.02 Rel Std Dev =   0.44
 Sol Val = 1.9048 mg/l or 0.400 g/210L
  % Abs =    7.130
  Std Dev =   0.01 Rel Std Dev =   0.18
 Zero Order Coef = -337.92
 First Order Coef = 2474.86
 Second Order Coef =  34.04
 Standard Deviation =  51.468342
 ------------------
     <<<<< CHANNEL 2 >>>>>
 Sol Val = 0.0000 mg/l or 0.000 g/210L
  % Abs =    0.134
  Std Dev =   0.01 Rel Std Dev =   4.33
 Sol Val = 0.1905 mg/l or 0.040 g/210L
  % Abs =    1.589
  Std Dev =   0.02 Rel Std Dev =   1.27
 Sol Val = 0.4762 mg/l or 0.100 g/210L
  % Abs =    3.782
  Std Dev =   0.01 Rel Std Dev =   0.17
 Sol Val = 0.9524 mg/l or 0.200 g/210L
  % Abs =    7.239
  Std Dev =   0.01 Rel Std Dev =   0.12
 Sol Val = 1.9048 mg/l or 0.400 g/210L
  % Abs =   13.404
  Std Dev =   0.01 Rel Std Dev =   0.08
 Zero Order Coef = -131.78
 First Order Coef = 1233.33
 Second Order Coef =  14.69
 Standard Deviation =  31.640598
 ------------------
```

```
 Solution Stats Quadratic Fit Chan 1
   Act        Fit       Residual
  g/210L     g/210L      g/210L
  0.000      0.001      -0.0012
  0.040      0.039       0.0013
  0.100      0.099       0.0006
  0.200      0.201      -0.0010
  0.400      0.400       0.0002
```

```
 Solution Stats Quadratic Fit Chan 2
   Act        Fit       Residual
  g/210L     g/210L      g/210L
  0.000      0.001      -0.0007
  0.040      0.039       0.0008
  0.100      0.100       0.0004
  0.200      0.201      -0.0006
  0.400      0.400       0.0002
```

```
Sol Value = 0.380 g/210L ***
Fit value = 0.3810 mg/l  %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 =  2982.00
Sample #2 =  2844.00
Sample #3 =  2837.00
Sample #4 =  2776.00
Average Result = 2819.0000
STD DEV = 37.4032
REL STD DEV = 1.327
**********
***** CHANNEL 2
Sample #1 =  3345.00
Sample #2 =  3354.00
Sample #3 =  3338.00
Sample #4 =  3359.00
Average Result = 3350.3333
STD DEV = 10.9597
REL STD DEV = 0.327
**********
Dry Gas H20 Adjust Results **********
  Barometric Pressure = 1014
  3 um H20 Adjust (mg/l*10,000) = 990
  9 um H20 Adjust (mg/l*10,000) = 459
**** AUTO CAL PASS
```

BK

TMB

POST CALIBRATION STABILITY CHECKS - INSTRUMENT # 80-001189 - MARTIN COUNTY SO

9/21/16 SP

DGS

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001189
09/21/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:08
Control Test	0.049	11:09
Air Blank	0.000	11:09
Control Test	0.050	11:10
Air Blank	0.000	11:11
Control Test	0.050	11:11
Air Blank	0.000	11:12

Control Test Stats

Average	0.0497
Std Dev	0.0006
Rel Std Dev(%)	1.1625

SP
Operator's Signature

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001189
09/21/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:13
Control Test	0.079	11:14
Air Blank	0.000	11:14
Control Test	0.080	11:15
Air Blank	0.000	11:16
Control Test	0.079	11:16
Air Blank	0.000	11:17

Control Test Stats

Average	0.0793
Std Dev	0.0006
Rel Std Dev(%)	0.7277

SP
Operator's Signature

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001189
09/21/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:19
Control Test	0.199	11:19
Air Blank	0.000	11:20
Control Test	0.199	11:21
Air Blank	0.000	11:21
Control Test	0.198	11:22
Air Blank	0.000	11:23

Control Test Stats

Average	0.1987
Std Dev	0.0006
Rel Std Dev(%)	0.2906

SP
Operator's Signature

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001189
09/21/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:23
Control Test	0.081	11:24
Air Blank	0.000	11:24
Control Test	0.081	11:24
Air Blank	0.000	11:25
Control Test	0.081	11:25
Air Blank	0.000	11:26

Control Test Stats

Average	0.0810
Std Dev	0.0000
Rel Std Dev(%)	0.0000

SP
Operator's Signature

BK

AMB