FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency South Daytona PD S/N 80 001246

Date In 10/19/16 Date Out 11/3/16 ☒Ship ☐P/U ☐H/D ☐CMI ☐EE

RECEIVED NOV 04 2016 FDLE Alcohol Testing Program

Intake Performed By RS

- ☐ Registration
- ☒ Annual
- ☐ Return from CMI
- ☐ Return from Enforcement
- ☐ Other

Visual Inspection:

- ok Case
- ok Dry Gas Holder
- ok Keyboard/Plug
- ok Screws tight
- ok Handle
- ok Feet
- ok Back/Plugs
- ok Breath Hose

Other Equipment:

- ☐ Power cord
- ☐ Printer Cable
- ☐ Other

Notes:

Quality Checks Performed By GJM

- ☒ Breath Tube Screen
- ☒ Replace O-Rings
- ☒ Instrument Set Up Verified
- ☒ R-Value 121
- ☒ Flow Verification (L/s)
  - Flow Column # ATP102
  - 32mm .121 (.139 - .169)
  - 36mm .140 (.156 - .190)
  - 53mm .207 (.228 - .278)
  - 103mm .464 (.447 - .547)
- ☒ Barometric Pressure Check
  - Gauge ID # 28427
- ☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	SD1018	201507A 7/14/17
0.08	SD1011	201601F 1/26/18
0.20	SD1025	201604C 4/5/18
0.08 DGS	N/A	AG619605 7/14/18

Flow Calibration Performed By GJM

- ☐ Flow Calibration N/A
- ☒ Flow Calibration Complete
  - Flow Column # ATP105
  - ☒ 5L/min – 17mm
  - ☒ 15L/min – 53mm
  - ☒ 30L/min – 103mm
- ☒ R-Value 121
- ☒ Post Calibration Verification (L/s)
  - Flow Column # ATP102
  - 32mm .144 (.139 - .169)
  - 36mm .160 (.156 - .190)
  - 53mm .230 (.228 - .278)
  - 103mm .451 (.447 - .547)

Maintenance Performed By

- ☐ Battery Replacement
- ☐ Dry Gas Regulator Replacement
- ☐ Breath Tube Replacement
- ☐ Other

Suggested Service

Optical Bench Calibration Performed By GJM

- ☐ Optical Bench Calibration N/A
- ☒ Optical Bench Calibration Complete

Barometric Pressure Gauge (GJM) 1028 ID # 26932

Simulator	Serial Number	Lot Number	Expiration
0.000	G4444	N/A	N/A
0.040	SD1024	16101	2/2/18
0.100	SD1013	16001	5/8/18
0.200	SD1012	16103	6/14/18
0.400	G6621	16102	3/22/18
0.080 DGS	N/A	0841508OA1	3/5/17

☒ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD1018	201507A	7/14/17
0.08	SD1011	201601F	1/26/18
0.20	SD1025	201604C	4/5/18
0.08 DGS	N/A	AG619605	7/14/18

Department Inspection Performed By GJM

- ☒ Barometric Pressure 1024 Gauge
  - ID# 28427 1024 Instrument

Mouth Alcohol Solution Lot # 2016-A

Acetone Stock Solution Lot # 2016-B

Simulator	Serial Number
0.00	SD1019
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: QC: SP

- ☒ **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**

T. Scott Kirkland
Quality Control Review

11/4/16
Date

Revised November 2012

PRE - CALIBRATION

SOUTH DAYTONA P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001246
10/28/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:12
Control Test	0.052	09:12
Air Blank	0.000	09:13
Control Test	0.052	09:14
Air Blank	0.000	09:14
Control Test	0.052	09:15
Air Blank	0.000	09:15
Control Test Stats		
Average	0.0520	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

P Murphy
Operator's Signature

SOUTH DAYTONA P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001246
10/28/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:17
Control Test	0.202	09:18
Air Blank	0.000	09:18
Control Test	0.201	09:19
Air Blank	0.000	09:20
Control Test	0.201	09:20
Air Blank	0.000	09:21
Control Test Stats		
Average	0.2013	
Std Dev	0.0006	
Rel Std Dev(%)	0.2868	

BK

P Murphy
Operator's Signature

SOUTH DAYTONA P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001246
10/28/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:23
Control Test	0.083	09:23
Air Blank	0.000	09:24
Control Test	0.082	09:25
Air Blank	0.000	09:25
Control Test	0.082	09:26
Air Blank	0.000	09:26
Control Test Stats		
Average	0.0823	
Std Dev	0.0006	
Rel Std Dev(%)	0.7012	

P Murphy
Operator's Signature

SOUTH DAYTONA P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001246
10/28/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:29
Control Test	0.078	09:30
Air Blank	0.000	09:30
Control Test	0.078	09:31
Air Blank	0.000	09:31
Control Test	0.078	09:31
Air Blank	0.000	09:32
Control Test Stats		
Average	0.0780	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

8P

OGS

P Murphy
Operator's Signature

SOUTH DAYTONA P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001246
11/03/2016 09:59:23

Auto Calibration

Max Power Res Value = 31
Auto Range Res Value = 15
Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12654, 9um Io = 14072

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1320	(-0.0280)
Sample #2 =	0.1230	(0.0190)
Sample #3 =	0.1430	(0.0540)
Sample #4 =	0.1420	(0.0630)

Avg % Abs = 0.1360 (0.0453)
STD DEV = 0.0113 (0.0232)
REL STD DEV = 8.286 (51.276)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1630	(-0.0140)
Sample #2 =	0.1020	(0.0270)
Sample #3 =	0.1360	(0.0340)
Sample #4 =	0.1300	(0.0350)

Avg % Abs = 0.1227 (0.0320)
STD DEV = 0.0181 (0.0044)
REL STD DEV = 14.794 (13.622)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12640, 9um Io = 14062

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8380	(-0.0110)
Sample #2 =	0.8340	(0.0170)
Sample #3 =	0.8210	(0.0270)
Sample #4 =	0.8230	(0.0390)

Avg % Abs = 0.8260 (0.0277)
STD DEV = 0.0070 (0.0110)
REL STD DEV = 0.847 (39.814)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5660	(-0.0300)
Sample #2 =	1.5470	(0.0000)
Sample #3 =	1.5160	(0.0070)
Sample #4 =	1.5410	(0.0250)

Avg % Abs = 1.5347 (0.0107)
STD DEV = 0.0164 (0.0129)
REL STD DEV = 1.071 (120.910)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12633, 9um Io = 14059

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.9010	(-0.0250)
Sample #2 =	1.8960	(-0.0200)
Sample #3 =	1.8860	(-0.0100)
Sample #4 =	1.8670	(0.0060)

Avg % Abs = 1.8830 (-0.0080)
STD DEV = 0.0147 (0.0131)
REL STD DEV = 0.782 (163.936)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6720	(-0.0090)
Sample #2 =	3.6220	(0.0340)
Sample #3 =	3.6200	(0.0350)
Sample #4 =	3.6390	(0.0280)

Avg % Abs = 3.6270 (0.0323)
STD DEV = 0.0104 (0.0038)
REL STD DEV = 0.288 (11.709)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12635, 9um Io = 14061

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6430	(-0.0190)
Sample #2 =	3.6160	(0.0160)
Sample #3 =	3.6050	(0.0430)
Sample #4 =	3.6020	(0.0380)

Avg % Abs = 3.6077 (0.0323)
STD DEV = 0.0074 (0.0144)
REL STD DEV = 0.204 (44.426)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.0700	(0.0060)
Sample #2 =	7.0230	(0.0740)
Sample #3 =	7.0070	(0.1060)
Sample #4 =	6.9850	(0.1190)

Avg % Abs = 7.0050 (0.0997)
STD DEV = 0.0191 (0.0232)
REL STD DEV = 0.272 (23.236)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12633, 9um Io = 14053

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.8050	(-0.0200)
Sample #2 =	6.7760	(0.0330)
Sample #3 =	6.8060	(0.0380)
Sample #4 =	6.7750	(0.0480)

Avg % Abs = 6.7857 (0.0397)
STD DEV = 0.0176 (0.0076)
REL STD DEV = 0.260 (19.255)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	13.0440	(-0.0010)
Sample #2 =	12.9530	(0.1060)
Sample #3 =	12.9730	(0.1130)
Sample #4 =	12.9840	(0.1160)

Avg % Abs = 12.9700 (0.1117)
STD DEV = 0.0157 (0.0051)
REL STD DEV = 0.121 (4.595)

BK

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.136
Std Dev = 0.01 Rel Std Dev = 8.29
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.826
Std Dev = 0.01 Rel Std Dev = 0.85
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.883
Std Dev = 0.01 Rel Std Dev = 0.78
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.608
Std Dev = 0.01 Rel Std Dev = 0.20
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.786
Std Dev = 0.02 Rel Std Dev = 0.26
Zero Order Coef = -314.57
First Order Coef = 2609.98
Second Order Coef = 35.68
Standard Deviation = 39.704227

SP

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     <<<<< CHANNEL 2 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
 % Abs =   0.123
 Std Dev =   0.02 Rel Std Dev =  14.79
Sol Val = 0.1905 mg/l or 0.040 g/210L
 % Abs =   1.535
 Std Dev =   0.02 Rel Std Dev =   1.07
Sol Val = 0.4762 mg/l or 0.100 g/210L
 % Abs =   3.627
 Std Dev =   0.01 Rel Std Dev =   0.29
Sol Val = 0.9524 mg/l or 0.200 g/210L
 % Abs =   7.085
 Std Dev =   0.02 Rel Std Dev =   0.27
Sol Val = 1.9048 mg/l or 0.400 g/210L
 % Abs =  12.970
 Std Dev =   0.02 Rel Std Dev =   0.12
Zero Order Coef = -117.50
First Order Coef = 1274.64
Second Order Coef =  15.58
Standard Deviation =  44.396057
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| Solution Stats Quadratic Fit Chan 1 |
|  Act       Fit      Residual        |
| g/210L    g/210L     g/210L         |
| 0.000     0.001      -0.0009        |
| 0.040     0.039      0.0008         |
| 0.100     0.099      0.0007         |
| 0.200     0.201      -0.0009        |
| 0.400     0.400      0.0002         |
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| Solution Stats Quadratic Fit Chan 2 |
|  Act       Fit      Residual        |
| g/210L    g/210L     g/210L         |
| 0.000     0.001      -0.0008        |
| 0.040     0.039      0.0006         |
| 0.100     0.099      0.0011         |
| 0.200     0.201      -0.0011        |
| 0.400     0.400      0.0003         |
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SOUTH DAYTONA P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000                SN 80-001246
10/28/2016
Software: 8100.27

Flow Rate Calibration********
1: Rate (Liters/min) =  5
   SQRT(Diff) ) =   6.082
2: Rate (Liters/min) = 15
   SQRT(Diff) ) =  11.355
3: Rate (Liters/min) = 30
   SQRT(Diff) ) =  21.883
Dependent Data Scale Factor = 100000 L/min
Independent Data Scale Factor = 256
Rounded Slope = 609
Rounded Intercept = -377712
Correlation = 0.99721
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Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l  %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 =  2805.00
Sample #2 =  2733.00
Sample #3 =  2737.00
Sample #4 =  2829.00
Average Result = 2766.3333
STD DEV = 54.3078
REL STD DEV = 1.963
**********
***** CHANNEL 2
Sample #1 =  3299.00
Sample #2 =  3247.00
Sample #3 =  3334.00
Sample #4 =  3339.00
Average Result = 3306.6667
STD DEV = 51.7333
REL STD DEV = 1.565
**********
Dry Gas H2O Adjust Results **********
  Barometric Pressure = 1024
  3 um H2O Adjust (mg/l*10,000) = 1043
  9 um H2O Adjust (mg/l*10,000) = 503
**** AUTO CAL PASS
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SOUTH DAYTONA P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000                SN 80-001246
10/28/2016
Software: 8100.27

Flow Rate Calibration********
1: Rate (Liters/min) =  5
   SQRT(Diff) ) =   6.164
2: Rate (Liters/min) = 15
   SQRT(Diff) ) =  12.000
3: Rate (Liters/min) = 30
   SQRT(Diff) ) =  22.203
Dependent Data Scale Factor = 100000 L/min
Independent Data Scale Factor = 256
Rounded Slope = 605
Rounded Intercept = -417242
Correlation = 0.99916
```

BK

SP

POST - CALIBRATION

SOUTH DAYTONA P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001246
11/03/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:40
Control Test	0.050	10:41
Air Blank	0.000	10:41
Control Test	0.050	10:42
Air Blank	0.000	10:42
Control Test	0.050	10:43
Air Blank	0.000	10:44
Control Test Stats		
Average	0.0500	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

P Murphy
Operator's Signature

SOUTH DAYTONA P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001246
11/03/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:50
Control Test	0.197	10:51
Air Blank	0.000	10:52
Control Test	0.198	10:52
Air Blank	0.000	10:53
Control Test	0.197	10:54
Air Blank	0.000	10:54
Control Test Stats		
Average	0.1973	
Std Dev	0.0006	
Rel Std Dev(%)	0.2926	

P Murphy
Operator's Signature

SOUTH DAYTONA P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001246
11/03/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:45
Control Test	0.080	10:46
Air Blank	0.000	10:47
Control Test	0.080	10:47
Air Blank	0.000	10:48
Control Test	0.080	10:49
Air Blank	0.000	10:49
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

P Murphy
Operator's Signature

SOUTH DAYTONA P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001246
11/03/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:56
Control Test	0.081	10:57
Air Blank	0.000	10:57
Control Test	0.081	10:57
Air Blank	0.000	10:58
Control Test	0.082	10:58
Air Blank	0.000	10:59
Control Test Stats		
Average	0.0813	
Std Dev	0.0006	
Rel Std Dev(%)	0.7099	

ASK

DGS

SP

P Murphy
Operator's Signature