FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Hillsborough County S.O. S/N 80-0006567

Date In 3/30/17 Date Out 4/12/17 ☑Ship ☐P/U ☐H/D ☐CMI ☐EE

RECEIVED APR 12 2017 FDLE Alcohol Testing Program

Intake Performed By DR

- ☐ Registration
- ☑ Annual
- ☐ Return from CMI
- ☐ Return from Enforcement
- ☐ 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 DMS

- ☑ Breath Tube Screen
- ☑ Replace O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 204
- ☑ Flow Verification (L/s)

Flow Column # ATP103

32mm	0.148 (.139 - .169)
36mm	0.164 (.156 - .190)
53mm	0.234 (.228 - .278)
103mm	0.507 (.447 - .547)

- ☑ Barometric Pressure Check
  Gauge ID # 28421
- ☑ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	DR2035	201603D 3/8/18
0.08	SD3964	201611B 11/15/18
0.20	SD1025	201604C 4/5/18
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

Suggested Service

Optical Bench Calibration Performed By DMS

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

Barometric Pressure Gauge 1022 ID # 26932

Simulator	Serial Number	Lot Number	Expiration
0.000	SD1016	N/A	N/A
0.040	SD1024	16101	2/2/18
0.100	SD1022	15001	5/20/17
0.200	DR3855	15104	5/27/17
0.400	G2407	15105	6/10/17
0.080 DGS	N/A	15615080A2	7/5/17

- ☑ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	DR2035	201603D	3/8/18
0.08	SD3964	201611B	11/15/18
0.20	SD1025	201604C	4/5/18
0.08 DGS	N/A	AG626604	9/22/18

Department Inspection Performed By DMS

- ☑ Barometric Pressure ID# 28427
  1021 Gauge
  1021 Instrument

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

Simulator	Serial Number
0.00	SD1019
Interferent	SD1021
0.05	DR2035
0.08	SD3964
0.20	SD1025

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

Notes: Optical bench calibration adjustment performed to bring values closer to nominal. DMS

DC 4/12/17

- ☑ **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**

JJ Graham
Quality Control Review

4/12/17
Date

Revised November 2012

Pre-Cal Adjust

Stability Checks # 80-006567 Hillsborough County S.O. 4/11/17 KDB

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006567
04/11/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:51
Control Test	0.046	13:52
Air Blank	0.000	13:52
Control Test	0.047	13:53
Air Blank	0.000	13:54
Control Test	0.047	13:54
Air Blank	0.000	13:55
Control Test Stats		
Average	0.0467	
Std Dev	0.0006	
Rel Std Dev(%)	1.2372	

Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006567
04/11/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:56
Control Test	0.077	13:56
Air Blank	0.000	13:57
Control Test	0.078	13:58
Air Blank	0.000	13:58
Control Test	0.078	13:59
Air Blank	0.000	13:59
Control Test Stats		
Average	0.0777	
Std Dev	0.0006	
Rel Std Dev(%)	0.7434	

Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006567
04/11/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:01
Control Test	0.195	14:01
Air Blank	0.000	14:02
Control Test	0.197	14:02
Air Blank	0.000	14:03
Control Test	0.196	14:04
Air Blank	0.000	14:04
Control Test Stats		
Average	0.1960	
Std Dev	0.0010	
Rel Std Dev(%)	0.5102	

Operator's Signature

DCS

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006567
04/11/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:05
Control Test	0.079	14:06
Air Blank	0.000	14:06
Control Test	0.079	14:07
Air Blank	0.000	14:07
Control Test	0.079	14:07
Air Blank	0.000	14:08
Control Test Stats		
Average	0.0790	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

Optical Bench Calibration Adjust Data # 80-006567 Hillsborough County S.O. 4/12/17 RMS

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006567
04/12/2017 08:47:12

Auto Calibration
Max Power Res Value = 72
Auto Range Res Value = 46

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12356, 9um Io = 12927

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0190	(-0.0030)
Sample #2 =	-0.0080	(0.0080)
Sample #3 =	-0.0170	(0.0170)
Sample #4 =	-0.0070	(0.0230)

Avg % Abs = -0.0107 (0.0160)
STD DEV = 0.0055 (0.0075)
REL STD DEV = 51.633 (47.186)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1070	(-0.0150)
Sample #2 =	0.1210	(-0.0240)
Sample #3 =	0.1000	(0.0000)
Sample #4 =	0.1080	(-0.0080)

Avg % Abs = 0.1097 (-0.0107)
STD DEV = 0.0106 (0.0122)
REL STD DEV = 9.665 (114.564)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12347, 9um Io = 12923

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7510	(-0.0310)
Sample #2 =	0.7380	(-0.0180)
Sample #3 =	0.7530	(-0.0160)
Sample #4 =	0.6760	(0.0300)

Avg % Abs = 0.7223 (-0.0013)
STD DEV = 0.0408 (0.0272)
REL STD DEV = 5.651 (2036.541)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4930	(-0.0160)
Sample #2 =	1.4950	(-0.0180)
Sample #3 =	1.4970	(-0.0200)
Sample #4 =	1.4700	(0.0000)

Avg % Abs = 1.4873 (-0.0127)
STD DEV = 0.0150 (0.0110)
REL STD DEV = 1.011 (86.962)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12339, 9um Io = 12920

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.6850	(-0.0160)
Sample #2 =	0.7030	(-0.0150)
Sample #3 =	0.7150	(-0.0020)
Sample #4 =	0.6800	(0.0080)

Avg % Abs = 0.6993 (-0.0030)
STD DEV = 0.0178 (0.0115)
REL STD DEV = 2.543 (384.419)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4460	(-0.0050)
Sample #2 =	1.4820	(-0.0120)
Sample #3 =	1.4870	(-0.0010)
Sample #4 =	1.4680	(-0.0060)

Avg % Abs = 1.4790 (-0.0063)
STD DEV = 0.0098 (0.0055)
REL STD DEV = 0.666 (86.962)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12335, 9um Io = 12919

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.7820	(-0.0150)
Sample #2 =	1.7450	(0.0060)
Sample #3 =	1.7380	(0.0130)
Sample #4 =	1.7980	(-0.0020)

Avg % Abs = 1.7603 (0.0057)
STD DEV = 0.0328 (0.0075)
REL STD DEV = 1.864 (132.451)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5370	(0.0080)
Sample #2 =	3.5320	(0.0070)
Sample #3 =	3.5240	(0.0130)
Sample #4 =	3.5490	(0.0000)

Avg % Abs = 3.5350 (0.0067)
STD DEV = 0.0128 (0.0065)
REL STD DEV = 0.361 (97.596)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12335, 9um Io = 12917

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5130	(-0.0140)
Sample #2 =	3.4660	(0.0330)
Sample #3 =	3.5200	(0.0080)
Sample #4 =	3.5040	(0.0300)

Avg % Abs = 3.4967 (0.0237)
STD DEV = 0.0277 (0.0137)
REL STD DEV = 0.793 (57.678)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.8120	(-0.0150)
Sample #2 =	6.7790	(0.0200)
Sample #3 =	6.8070	(0.0130)
Sample #4 =	6.8270	(0.0080)

Avg % Abs = 6.8043 (0.0137)
STD DEV = 0.0241 (0.0060)
REL STD DEV = 0.354 (44.105)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12330, 9um Io = 12917

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.8070	(-0.0190)
Sample #2 =	6.7930	(0.0110)
Sample #3 =	6.8040	(0.0160)
Sample #4 =	6.7770	(0.0430)

Avg % Abs = 6.7913 (0.0233)
STD DEV = 0.0136 (0.0172)
REL STD DEV = 0.200 (73.776)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	12.8530	(-0.0020)
Sample #2 =	12.8500	(0.0320)
Sample #3 =	12.8420	(0.0400)
Sample #4 =	12.8400	(0.0490)

Avg % Abs = 12.8440 (0.0403)
STD DEV = 0.0053 (0.0085)
REL STD DEV = 0.041 (21.087)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = -0.011
Std Dev = 0.01 Rel Std Dev = 51.63
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.699
Std Dev = 0.02 Rel Std Dev = 2.54
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.760
Std Dev = 0.03 Rel Std Dev = 1.86
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.497
Std Dev = 0.03 Rel Std Dev = 0.79
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.791
Std Dev = 0.01 Rel Std Dev = 0.20
Zero Order Coef = 41.91
First Order Coef = 2629.28
Second Order Coef = 24.85
Standard Deviation = 14.171037

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.110
Std Dev = 0.01 Rel Std Dev = 9.66
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.479
Std Dev = 0.01 Rel Std Dev = 0.67
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.535
Std Dev = 0.01 Rel Std Dev = 0.36
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.804
Std Dev = 0.02 Rel Std Dev = 0.35
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 12.844
Std Dev = 0.01 Rel Std Dev = 0.04
Zero Order Coef = -127.06
First Order Coef = 1339.10
Second Order Coef = 11.95
Standard Deviation = 17.877373

Solution Stats Quadratic Fit Chan 1		
Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0003
0.040	0.040	0.0003
0.100	0.100	0.0003
0.200	0.200	-0.0003
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	-0.0004
0.040	0.039	0.0005
0.100	0.100	0.0001
0.200	0.200	-0.0003
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 = 3638.00
Sample #2 = 3633.00
Sample #3 = 3643.00
Sample #4 = 3644.00
Average Result = 3640.0000
STD DEV = 6.0828
REL STD DEV = 0.167
****
***** CHANNEL 2
Sample #1 = 3439.00
Sample #2 = 3439.00
Sample #3 = 3447.00
Sample #4 = 3440.00
Average Result = 3442.0000
STD DEV = 4.3589
REL STD DEV = 0.127
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1022
3 um H2O Adjust (mg/l*10,000) = 169
9 um H2O Adjust (mg/l*10,000) = 367
**** AUTO CAL PASS

Post - Calibration Adjustment
Stability Checks #80-006567 Hillsborough County S.O. 4/12/17 RMB

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006567
04/12/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:33
Control Test	0.049	12:34
Air Blank	0.000	12:35
Control Test	0.049	12:35
Air Blank	0.000	12:36
Control Test	0.049	12:36
Air Blank	0.000	12:37
Control Test Stats		
Average	0.0490	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

RMB
Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006567
04/12/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:46
Control Test	0.079	12:47
Air Blank	0.000	12:47
Control Test	0.080	12:48
Air Blank	0.000	12:48
Control Test	0.079	12:49
Air Blank	0.000	12:50
Control Test Stats		
Average	0.0793	
Std Dev	0.0006	
Rel Std Dev(%)	0.7277	

RMB
Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006567
04/12/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:19
Control Test	0.197	12:20
Air Blank	0.000	12:20
Control Test	0.197	12:21
Air Blank	0.000	12:22
Control Test	0.197	12:22
Air Blank	0.000	12:23
Control Test Stats		
Average	0.1970	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

RMB
Operator's Signature

DGS

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006567
04/12/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:24
Control Test	0.080	12:24
Air Blank	0.000	12:24
Control Test	0.081	12:25
Air Blank	0.000	12:25
Control Test	0.080	12:26
Air Blank	0.000	12:26
Control Test Stats		
Average	0.0803	
Std Dev	0.0006	
Rel Std Dev(%)	0.7187	

RMB
Operator's Signature