FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Hillsborough County S/N 80-000830

Date In 2/13/17 Date Out 3/14/17 ☑ Ship ☐ P/U ☐ H/D ☐ CMI ☐ EE

Intake Performed By [initials]

☐ 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 RWB

☑ Breath Tube Screen
☑ Replace O-Rings
☑ Instrument Set Up Verified
☑ R-Value 142
☑ Flow Verification (L/s)

Flow Column # ATP103
32mm 0.140 (.139 - .169)
36mm 0.156 (.156 - .190)
53mm 0.230 (.228 - .278)
103mm 0.492 (.447 - .547)

☑ Barometric Pressure Check
Gauge ID # 26932
☑ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	DR2035	2016030 3/8/18
0.08	SD1011	201601F 1/26/18
0.20	SD1025	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 MAR 14 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 RWB

☐ Optical Bench Calibration N/A
☑ Optical Bench Calibration Complete
Barometric Pressure Gauge 1030 ID # 28427

Simulator	Serial Number	Lot Number	Expiration
0.000	SD1016	N/A	N/A
0.040	SD1024	16101	2/2/18
0.100	SD1022	16001	5/8/18
0.200	DR3855	16103	6/14/18
0.400	G2407	16102	3/22/18
0.080 DGS	N/A	03415080A1	3/5/17

☑ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	DR2035	201603D	3/8/18
0.08	SD1011	201601F	1/26/18
0.20	SD1025	201604C	4/5/18
0.08 DGS	N/A	AG626605	9/22/18

Department Inspection Performed By RWB

☑ Barometric Pressure 1027 Gauge
ID# 28421 1028 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	SD1011
0.20	SD1025

Attachments

☑ Form 41
☑ Pre-Stability Tests
☐ Flow Calibration
☑ Optical Bench Cal
☑ Post-Stability Tests
☑ Other Post DI 0.08 Stability checks

Notes: Performed optical bench calibration adjustment to bring values closer to nominal RWB
QA/QC OK [initials]

☑ **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

3/14/17
Date

Revised November 2012

Pre-Cal
Stability Checks #80-000830 Hillsborough County S.O. 3/2/17 KDS

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000830
03/02/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:14
Control Test	0.051	13:15
Air Blank	0.000	13:15
Control Test	0.049	13:16
Air Blank	0.000	13:17
Control Test	0.049	13:17
Air Blank	0.000	13:18
Control Test Stats		
Average	0.0497	
Std Dev	0.0012	
Rel Std Dev(%)	2.3249	

KDS
Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000830
03/02/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:22
Control Test	0.078	13:23
Air Blank	0.000	13:23
Control Test	0.078	13:24
Air Blank	0.000	13:24
Control Test	0.079	13:25
Air Blank	0.000	13:26
Control Test Stats		
Average	0.0783	
Std Dev	0.0006	
Rel Std Dev(%)	0.7370	

KDS
Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000830
03/02/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:30
Control Test	0.195	13:31
Air Blank	0.000	13:31
Control Test	0.195	13:32
Air Blank	0.000	13:33
Control Test	0.196	13:33
Air Blank	0.000	13:34
Control Test Stats		
Average	0.1953	
Std Dev	0.0006	
Rel Std Dev(%)	0.2956	

KDS
Operator's Signature

DBS

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000830
03/02/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:36
Control Test	0.083	13:36
Air Blank	0.000	13:37
Control Test	0.082	13:37
Air Blank	0.000	13:37
Control Test	0.082	13:38
Air Blank	0.000	13:38
Control Test Stats		
Average	0.0823	
Std Dev	0.0006	
Rel Std Dev(%)	0.7012	

PJPM
43K

KDS
Operator's Signature

Optical Bench Calibration Data #80-000830 Hillsborough County S.O. 3/3/17 [initials]

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000830
03/03/2017 12:09:16

Auto Calibration
Max Power Res Value = 44
Auto Range Res Value = 22

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12014, 9um Io = 14250

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1340	(-0.0260)
Sample #2 =	0.1030	(0.0050)
Sample #3 =	0.1170	(0.0490)
Sample #4 =	0.1040	(0.0730)

Avg % Abs = 0.1080 (0.0423)
STD DEV = 0.0078 (0.0345)
REL STD DEV = 7.232 (81.465)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.2870	(0.0040)
Sample #2 =	0.2760	(0.0180)
Sample #3 =	0.2830	(0.0460)
Sample #4 =	0.2750	(0.0420)

Avg % Abs = 0.2780 (0.0353)
STD DEV = 0.0044 (0.0151)
REL STD DEV = 1.568 (42.860)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12002, 9um Io = 14244

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7890	(-0.0150)
Sample #2 =	0.7660	(0.0250)
Sample #3 =	0.7710	(0.0200)
Sample #4 =	0.7570	(0.0280)

Avg % Abs = 0.7647 (0.0243)
STD DEV = 0.0071 (0.0040)
REL STD DEV = 0.928 (16.609)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.6280	(0.0020)
Sample #2 =	1.6300	(0.0400)
Sample #3 =	1.6170	(0.0430)
Sample #4 =	1.6300	(0.0330)

Avg % Abs = 1.6257 (0.0387)
STD DEV = 0.0075 (0.0051)
REL STD DEV = 0.462 (13.271)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 11994, 9um Io = 14241

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.7480	(-0.0140)
Sample #2 =	1.7350	(0.0320)
Sample #3 =	1.7560	(0.0110)
Sample #4 =	1.7260	(0.0490)

Avg % Abs = 1.7390 (0.0307)
STD DEV = 0.0154 (0.0190)
REL STD DEV = 0.885 (62.071)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6240	(-0.0060)
Sample #2 =	3.5850	(0.0700)
Sample #3 =	3.6040	(0.0580)
Sample #4 =	3.6060	(0.0700)

Avg % Abs = 3.5983 (0.0660)
STD DEV = 0.0116 (0.0069)
REL STD DEV = 0.322 (10.497)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 11991, 9um Io = 14237

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4320	(-0.0110)
Sample #2 =	3.4090	(0.0230)
Sample #3 =	3.3880	(0.0500)
Sample #4 =	3.3680	(0.0700)

Avg % Abs = 3.3883 (0.0477)
STD DEV = 0.0205 (0.0236)
REL STD DEV = 0.605 (49.483)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.9110	(-0.0100)
Sample #2 =	6.8430	(0.0840)
Sample #3 =	6.8730	(0.0800)
Sample #4 =	6.8530	(0.0930)

Avg % Abs = 6.8563 (0.0857)
STD DEV = 0.0153 (0.0067)
REL STD DEV = 0.223 (7.772)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 11985, 9um Io = 14231

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.4970	(-0.0310)
Sample #2 =	6.4140	(0.0520)
Sample #3 =	6.4390	(0.0740)
Sample #4 =	6.4240	(0.0590)

Avg % Abs = 6.4257 (0.0617)
STD DEV = 0.0126 (0.0112)
REL STD DEV = 0.196 (18.227)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	12.7810	(-0.0280)
Sample #2 =	12.6820	(0.1230)
Sample #3 =	12.6940	(0.1370)
Sample #4 =	12.6890	(0.1440)

Avg % Abs = 12.6883 (0.1347)
STD DEV = 0.0060 (0.0107)
REL STD DEV = 0.048 (7.940)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.108
Std Dev = 0.01 Rel Std Dev = 7.23
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.765
Std Dev = 0.01 Rel Std Dev = 0.93
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.739
Std Dev = 0.02 Rel Std Dev = 0.89
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.388
Std Dev = 0.02 Rel Std Dev = 0.61
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.426
Std Dev = 0.01 Rel Std Dev = 0.20
Zero Order Coef = -267.25
First Order Coef = 2797.32
Second Order Coef = 32.20
Standard Deviation = 48.251423

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.278
Std Dev = 0.00 Rel Std Dev = 1.57
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.626
Std Dev = 0.01 Rel Std Dev = 0.46
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.598
Std Dev = 0.01 Rel Std Dev = 0.32
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.856
Std Dev = 0.02 Rel Std Dev = 0.22
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 12.688
Std Dev = 0.01 Rel Std Dev = 0.05
Zero Order Coef = -344.87
First Order Coef = 1352.65
Second Order Coef = 13.78
Standard Deviation = 44.548676

[signature] BK

Solution Stats Quadratic Fit Chan 1

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.001	-0.0007
0.040	0.040	0.0003
0.100	0.099	0.0014
0.200	0.201	-0.0012
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	0.040	0.0003
0.100	0.099	0.0013
0.200	0.201	-0.0011
0.400	0.400	0.0002

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1

***** CHANNEL 1

Sample #1 = 3235.00
Sample #2 = 3326.00
Sample #3 = 3343.00
Sample #4 = 3264.00
Average Result = 3311.0000
STD DEV = 41.5812
REL STD DEV = 1.256

****

***** CHANNEL 2

Sample #1 = 3178.00
Sample #2 = 3217.00
Sample #3 = 3221.00
Sample #4 = 3199.00
Average Result = 3212.3333
STD DEV = 11.7189
REL STD DEV = 0.365

****

Dry Gas H2O Adjust Results **********
Barometric Pressure = 1030
3 um H2O Adjust (mg/l*10,000) = 498
9 um H2O Adjust (mg/l*10,000) = 597

**** AUTO CAL PASS

Post-Cal Stability Checks #80-000830 Hillsborough County S.O. 3/3/17 RWB

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000830
03/03/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:15
Control Test	0.050	13:16
Air Blank	0.000	13:17
Control Test	0.050	13:17
Air Blank	0.000	13:18
Control Test	0.049	13:19
Air Blank	0.000	13:19
Control Test Stats		
Average	0.0497	
Std Dev	0.0006	
Rel Std Dev(%)	1.1625	

RWB
Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000830
03/03/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:20
Control Test	0.081	13:21
Air Blank	0.000	13:22
Control Test	0.081	13:22
Air Blank	0.000	13:23
Control Test	0.081	13:24
Air Blank	0.000	13:24
Control Test Stats		
Average	0.0810	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

RWB
Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000830
03/03/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:50
Control Test	0.202	13:51
Air Blank	0.000	13:52
Control Test	0.201	13:52
Air Blank	0.000	13:53
Control Test	0.200	13:54
Air Blank	0.000	13:54
Control Test Stats		
Average	0.2010	
Std Dev	0.0010	
Rel Std Dev(%)	0.4975	

RWB
Operator's Signature

DGS

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000830
03/03/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:56
Control Test	0.079	13:57
Air Blank	0.000	13:57
Control Test	0.078	13:57
Air Blank	0.000	13:58
Control Test	0.079	13:58
Air Blank	0.000	13:59
Control Test Stats		
Average	0.0787	
Std Dev	0.0006	
Rel Std Dev(%)	0.7339	

PJM

BK

RWS
Operator's Signature

Post Department Inspection Stability Checks
#80-000830
Hillsborough County S.O.
3/10/17
RMB

Performed to ensure fluctuation during department inspection was unrelated to instrument
RMB

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000830
03/10/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:37
Control Test	0.078	14:37
Air Blank	0.000	14:38
Control Test	0.082	14:39
Air Blank	0.000	14:39
Control Test	0.081	14:40
Air Blank	0.000	14:40
Control Test	0.081	14:41
Air Blank	0.000	14:42
Control Test	0.081	14:42
Air Blank	0.000	14:43
Control Test	0.081	14:44
Air Blank	0.000	14:44
Control Test	0.080	14:45
Air Blank	0.000	14:46
Control Test	0.080	14:46
Air Blank	0.000	14:47
Control Test	0.080	14:47
Air Blank	0.000	14:48
Control Test	0.080	14:49
Air Blank	0.000	14:49

Control Test Stats

Average	0.0804
Std Dev	0.0011
Rel Std Dev(%)	1.3370

RMB
Operator's Signature

GJM
BK