FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Hillsborough County SO S/N 80-000808

Date In 3/8/16 Date Out 3/15/16. ☑ Ship ☐ P/U ☐ H/D ☐ CMI ☐ EE

RECEIVED
MAR 21 2016
Alcohol Testing Program
FDLE

Intake Performed By [illegible]

- ☐ 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 RMB

- ☑ Breath Tube Screen
- ☑ Replace O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 177
- ☑ Flow Verification (L/s)
  - Flow Column # ATP103
  - 32mm 0.152 (.139 - .169)
  - 36mm 0.167 (.156 - .190)
  - 53mm 0.234 (.228 - .278)
  - 103mm 0.503 (.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	G4444	201505A 5/12/17
0.08 DGS	N/A	AG1605301 2/22/18

Flow Calibration Performed By

- ☑ Flow Calibration N/A
- ☐ Flow Calibration Complete
  - Flow Column # MAR
  - ☐ 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 RMB

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

Barometric Pressure Gauge 1013 ID # 26932

Simulator	Serial Number	Lot Number	Expiration
0.000	DR1275	N/A	N/A
0.040	SD3962	15108	8/18/17
0.100	G2078	15001	5/20/17
0.200	G2408	15104	5/27/17
0.400	SD3933	15105	6/10/17
0.080 DGS	N/A	AA0140801A1	5/1/16

☑ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD1018	201507A	7/14/17
0.08	SD1011	201601F	01/26/18
0.20	G4444	201505A	5/12/17
0.08 DGS	N/A	AG1605301	2/22/18

Department Inspection Performed By RMB

- ☑ Barometric Pressure ID# 28427 — 1013 Gauge / 1013 Instrument

Mouth Alcohol Solution Lot # 2015-A

Acetone Stock Solution Lot # 2016-B

Simulator	Serial Number
0.00	SD1022
Interferent	SD1021
0.05	SD1018
0.08	SD1011
0.20	G4444

Attachments

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

Notes: Optical bench calibration completed to bring values closer to nominal. RMB
QC - TBK

- ☑ **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**

Patrick Murphy
Quality Control Review

3/21/16
Date

Revised November 2012

Pre-

Stability Checks 80-000808 Hillsborough County S.O. 3/9/16 KDB

BSK

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000808
03/09/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:16
Control Test	0.052	15:17
Air Blank	0.000	15:17
Control Test	0.050	15:18
Air Blank	0.000	15:19
Control Test	0.050	15:19
Air Blank	0.000	15:20
Control Test Stats		
Average	0.0507	
Std Dev	0.0012	
Rel Std Dev(%)	2.2790	

KDB
Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000808
03/09/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:25
Control Test	0.080	15:26
Air Blank	0.000	15:27
Control Test	0.080	15:27
Air Blank	0.000	15:28
Control Test	0.081	15:29
Air Blank	0.000	15:29
Control Test Stats		
Average	0.0803	
Std Dev	0.0006	
Rel Std Dev(%)	0.7187	

KDB
Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000808
03/09/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:59
Control Test	0.207	15:00
Air Blank	0.000	15:01
Control Test	0.201	15:02
Air Blank	0.000	15:02
Control Test	0.201	15:03
Air Blank	0.000	15:04
Control Test Stats		
Average	0.2030	
Std Dev	0.0035	
Rel Std Dev(%)	1.7065	

KDB
Operator's Signature

Kink in tubing. Corrected after 1st Sample. KDB

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000808
03/09/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:40
Control Test	0.202	15:40
Air Blank	0.000	15:41
Control Test	0.203	15:42
Air Blank	0.000	15:42
Control Test	0.203	15:43
Air Blank	0.000	15:43
Control Test Stats		
Average	0.2027	
Std Dev	0.0006	
Rel Std Dev(%)	0.2849	

KDB
Operator's Signature

Pre-

Stability Checks 80-000808 Hillsborough County S.O. 3/9/16 RMB

PJM

BK

DGS

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000808
03/09/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:05
Control Test	0.083	15:05
Air Blank	0.000	15:06
Control Test	0.083	15:06
Air Blank	0.000	15:06
Control Test	0.083	15:07
Air Blank	0.000	15:07
Control Test Stats		
Average	0.0830	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

RMB
Operator's Signature

DGS

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000808
03/09/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:22
Control Test	0.082	15:22
Air Blank	0.000	15:23
Control Test	0.082	15:23
Air Blank	0.000	15:23
Control Test	0.083	15:24
Air Blank	0.000	15:24
Control Test Stats		
Average	0.0823	
Std Dev	0.0006	
Rel Std Dev(%)	0.7012	

RMB
Operator's Signature

Calibration Data 80-000808 Hillsborough County S.O. 3/15/16 RDM

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000808
03/15/2016 10:45:55

Auto Calibration
Max Power Res Value = 48
Auto Range Res Value = 27

Sol Value = 0.000 g/210L ***
Fit value = 6.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12734, 9um Io = 13973

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0890	(-0.0190)
Sample #2 =	0.1040	(0.0450)
Sample #3 =	0.0850	(0.0560)
Sample #4 =	0.0950	(0.1010)

Avg % Abs = 0.0947 (0.0673)
STD DEV = 0.0095 (0.0297)
REL STD DEV = 10.040 (44.065)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1400	(-0.0190)
Sample #2 =	0.1520	(-0.0090)
Sample #3 =	0.1200	(0.0050)
Sample #4 =	0.1290	(0.0210)

Avg % Abs = 0.1337 (0.0057)
STD DEV = 0.0165 (0.0150)
REL STD DEV = 12.346 (264.902)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12704, 9um Io = 13959

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7420	(-0.0060)
Sample #2 =	0.7870	(-0.0430)
Sample #3 =	0.7580	(-0.0060)
Sample #4 =	0.7640	(0.0070)

Avg % Abs = 0.7697 (-0.0140)
STD DEV = 0.0153 (0.0259)
REL STD DEV = 1.989 (185.302)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5340	(-0.0040)
Sample #2 =	1.5220	(-0.0070)
Sample #3 =	1.5120	(0.0130)
Sample #4 =	1.5260	(0.0140)

Avg % Abs = 1.5200 (0.0067)
STD DEV = 0.0072 (0.0118)
REL STD DEV = 0.474 (177.694)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12701, 9um Io = 13957

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8550	(-0.0210)
Sample #2 =	1.8270	(0.0070)
Sample #3 =	1.8000	(0.0440)
Sample #4 =	1.8290	(0.0360)

Avg % Abs = 1.8187 (0.0290)
STD DEV = 0.0162 (0.0195)
REL STD DEV = 0.891 (67.131)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6290	(-0.0140)
Sample #2 =	3.6140	(0.0110)
Sample #3 =	3.5920	(0.0280)
Sample #4 =	3.6300	(0.0210)

Avg % Abs = 3.6120 (0.0200)
STD DEV = 0.0191 (0.0085)
REL STD DEV = 0.528 (42.720)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12693, 9um Io = 13953

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5460	(-0.0170)
Sample #2 =	3.5480	(-0.0030)
Sample #3 =	3.5140	(0.0200)
Sample #4 =	3.5080	(0.0470)

Avg % Abs = 3.5233 (0.0213)
STD DEV = 0.0216 (0.0250)
REL STD DEV = 0.612 (117.312)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.9720	(-0.0110)
Sample #2 =	6.9520	(0.0140)
Sample #3 =	6.9270	(0.0120)
Sample #4 =	6.9300	(0.0290)

Avg % Abs = 6.9363 (0.0183)
STD DEV = 0.0137 (0.0093)
REL STD DEV = 0.197 (50.681)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12687, 9um Io = 13952

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.6600	(-0.0270)
Sample #2 =	6.6570	(0.0420)
Sample #3 =	6.6660	(0.0330)
Sample #4 =	6.6820	(0.0490)

Avg % Abs = 6.6683 (0.0413)
STD DEV = 0.0127 (0.0080)
REL STD DEV = 0.190 (19.405)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	12.8660	(-0.0010)
Sample #2 =	12.9020	(0.0390)
Sample #3 =	12.9100	(0.0380)
Sample #4 =	12.9190	(0.0610)

Avg % Abs = 12.9103 (0.0460)
STD DEV = 0.0085 (0.0130)
REL STD DEV = 0.066 (28.261)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.095
Std Dev = 0.01 Rel Std Dev = 10.04
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.770
Std Dev = 0.02 Rel Std Dev = 1.99
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.819
Std Dev = 0.02 Rel Std Dev = 0.89
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.523
Std Dev = 0.02 Rel Std Dev = 0.61
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.668
Std Dev = 0.01 Rel Std Dev = 0.19
Zero Order Coef = -203.31
First Order Coef = 2647.19
Second Order Coef = 35.74
Standard Deviation = 44.033665

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.134
Std Dev = 0.02 Rel Std Dev = 12.35
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.520
Std Dev = 0.01 Rel Std Dev = 0.47
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.612
Std Dev = 0.02 Rel Std Dev = 0.53
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.936
Std Dev = 0.01 Rel Std Dev = 0.20
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 12.910
Std Dev = 0.01 Rel Std Dev = 0.07
Zero Order Coef = -137.43
First Order Coef = 1296.34
Second Order Coef = 14.64
Standard Deviation = 34.330444

Solution Stats Quadratic Fit Chan 1		
Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.001	-0.0010
0.040	0.039	0.0010
0.100	0.099	0.0007
0.200	0.201	-0.0009
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	-0.0008
0.040	0.039	0.0008
0.100	0.099	0.0005
0.200	0.201	-0.0007
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 = 3098.00
Sample #2 = 3066.00
Sample #3 = 3100.00
Sample #4 = 3117.00
Average Result = 3094.3333
STD DEV = 25.9679
REL STD DEV = 0.839
****
***** CHANNEL 2
Sample #1 = 3274.00
Sample #2 = 3286.00
Sample #3 = 3328.00
Sample #4 = 3295.00
Average Result = 3303.0000
STD DEV = 22.1133
REL STD DEV = 0.669
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1013
3 um H20 Adjust (mg/l*10,000) = 715
9 um H20 Adjust (mg/l*10,000) = 506
**** AUTO CAL PASS

Post Cal
Stability Checks 80-000808 Hillsborough County S.O. 3/15/16 DWB
DSS

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000808
03/15/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:49
Control Test	0.049	11:50
Air Blank	0.000	11:50
Control Test	0.049	11:51
Air Blank	0.000	11:52
Control Test	0.050	11:52
Air Blank	0.000	11:53
Control Test Stats		
Average	0.0493	
Std Dev	0.0006	
Rel Std Dev(%)	1.1703	

DWB
Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000808
03/15/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:55
Control Test	0.079	11:55
Air Blank	0.000	11:56
Control Test	0.078	11:57
Air Blank	0.000	11:57
Control Test	0.078	11:58
Air Blank	0.000	11:58
Control Test Stats		
Average	0.0783	
Std Dev	0.0006	
Rel Std Dev(%)	0.7370	

DWB
Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000808
03/15/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:00
Control Test	0.198	12:01
Air Blank	0.000	12:02
Control Test	0.198	12:02
Air Blank	0.000	12:03
Control Test	0.200	12:03
Air Blank	0.000	12:04
Control Test Stats		
Average	0.1987	
Std Dev	0.0012	
Rel Std Dev(%)	0.5812	

DWB
Operator's Signature

BK

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000808
03/15/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:07
Control Test	0.078	12:07
Air Blank	0.000	12:08
Control Test	0.079	12:08
Air Blank	0.000	12:09
Control Test	0.079	12:09
Air Blank	0.000	12:09
Control Test Stats		
Average	0.0787	
Std Dev	0.0006	
Rel Std Dev(%)	0.7339	

DWB
Operator's Signature