FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Hillsborough County S/N 80-005113

Date In 5/9/13 Date Out 5/17/17 ☑Ship ☐P/U ☐H/D ☐CMI ☐EE

RECEIVED MAY 23 2017 FDLE Alcohol Testing Program

Intake Performed By [illegible]

- ☐ 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 Static Bag

Notes:

Quality Checks Performed By [illegible]

- ☑ Lab Temp °C 21.8
- ☑ Breath Tube Screen
- ☑ Replace External O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 231
- ☑ Flow Verification (L/s)

Flow Column # ATP103

32mm 0.148 (.139 - .169)
36mm 0.164 (.156 - .190)
53mm 0.242 (.228 - .278)
103mm 0.523 (.447 - .547)

- ☒ Barometric Pressure Check

Gauge ID # 26932 INS 1004 GAUGE 1016

- ☑ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	G3709	201603D 3/8/18
0.08	DR1279	201611B 11/15/18
0.20	DR3856	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 # [illegible]

- ☐ 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

Quality Checks Cont. Performed By [illegible]

Simulator Temperatures °C

External Digital Therm. ID#: 300505 300505

- ☑ 34°C +-.2 Serial #: G3709 SD3962
- ☑ 34°C +-.2 Serial #: DR1279 DR1279
- ☑ 34°C +-.2 Serial #: DR3856 DR3856

Calibration Adjustment Performed By [illegible]

- ☐ Calibration Adjustment N/A
- ☑ Calibration Adjustment Complete

Barometric Pressure Gauge 1016 ID # 28427

Simulator	Serial Number	Lot Number	Expiration
0.000	SD1016	N/A	N/A
0.040	SD1024	16320	10/21/18
0.100	G11739	17060	2/14/19
0.200	SD1012	17090	2/24/19
0.300	G4444	16410	12/19/18
0.080 DGS	N/A	15615080A2	7/5/17

☑ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05 SD3962	G3709	201603D	3/8/18
0.08	DR1279	201611B	11/15/18
0.20	DR3856	201604C	4/5/18
0.08 DGS	N/A	AG626604	9/22/18

Department Inspection Performed By [illegible]

- ☑ Barometric Pressure ID# 28421 — 1016 Gauge / 1016 Instrument

Mouth Alcohol Solution Lot # 2016-C

Acetone Stock Solution Lot # 2017-A

Simulator	Serial Number
0.00	G2880
Interferent	G2834
0.05	SD3962
0.08	DR1279
0.20	DR3856

Attachments

- ☑ Form 41
- ☑ Pre-Stability Tests
- ☐ Flow Calibration
- ☑ Calibration Adjustment
- ☑ Post-Stability Tests
- ☐ Other

Notes/Suggested Service:

Performed optical bench calibration adjustment to bring barometric pressure value closer to nominal. QA/QC SP

JJ Graham 5/23/17

Quality Control Review Date

- ☑ **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**

Pre-Calibration Adjustment
Stability Checks #80-005113 Hillsborough County S.O. 5/16/17 DMB

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005113
05/16/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:40
Control Test	0.049	11:41
Air Blank	0.000	11:41
Control Test	0.049	11:42
Air Blank	0.000	11:42
Control Test	0.050	11:43
Air Blank	0.000	11:44
Control Test Stats		
Average	0.0493	
Std Dev	0.0006	
Rel Std Dev(%)	1.1703	

DMB
Operator's Signature

GD

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005113
05/16/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:45
Control Test	0.077	11:46
Air Blank	0.000	11:46
Control Test	0.079	11:47
Air Blank	0.000	11:48
Control Test	0.079	11:48
Air Blank	0.000	11:49
Control Test Stats		
Average	0.0783	
Std Dev	0.0012	
Rel Std Dev(%)	1.4741	

DMB
Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005113
05/16/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:51
Control Test	0.195	11:51
Air Blank	0.000	11:52
Control Test	0.196	11:53
Air Blank	0.000	11:53
Control Test	0.197	11:54
Air Blank	0.000	11:55
Control Test Stats		
Average	0.1960	
Std Dev	0.0010	
Rel Std Dev(%)	0.5102	

DMB
Operator's Signature

DMS

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005113
05/16/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:56
Control Test	0.079	11:57
Air Blank	0.000	11:57
Control Test	0.078	11:57
Air Blank	0.000	11:58
Control Test	0.078	11:58
Air Blank	0.000	11:59
Control Test Stats		
Average	0.0783	
Std Dev	0.0006	
Rel Std Dev(%)	0.7370	

SP

DMB
Operator's Signature

Optical Bench Calibration Adjustment Data #80-005113 Hillsborough County S.O. 5/17/17 RMB

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005113
05/17/2017 10:19:47

Auto Calibration
Max Power Res Value = 28
Auto Range Res Value = 7

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 11955, 9um Io = 14237

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1350	(-0.0270)
Sample #2 =	0.0850	(0.0320)
Sample #3 =	0.0760	(0.0660)
Sample #4 =	0.0970	(0.0670)

Avg % Abs = 0.0860 (0.0550)
STD DEV = 0.0105 (0.0199)
REL STD DEV = 12.251 (36.227)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1120	(-0.0140)
Sample #2 =	0.0770	(0.0140)
Sample #3 =	0.0770	(0.0280)
Sample #4 =	0.0910	(0.0140)

Avg % Abs = 0.0817 (0.0187)
STD DEV = 0.0081 (0.0081)
REL STD DEV = 9.897 (43.301)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 11942, 9um Io = 14233

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8680	(0.0020)
Sample #2 =	0.8960	(0.0130)
Sample #3 =	0.8490	(0.0550)
Sample #4 =	0.8430	(0.0780)

Avg % Abs = 0.8627 (0.0487)
STD DEV = 0.0290 (0.0330)
REL STD DEV = 3.364 (67.725)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5650	(-0.0110)
Sample #2 =	1.5720	(0.0100)
Sample #3 =	1.5630	(0.0210)
Sample #4 =	1.5470	(0.0440)

Avg % Abs = 1.5607 (0.0250)
STD DEV = 0.0127 (0.0173)
REL STD DEV = 0.811 (69.397)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 11932, 9um Io = 14228

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	2.0350	(0.0090)
Sample #2 =	2.0260	(0.0270)
Sample #3 =	2.0740	(0.0210)
Sample #4 =	2.0550	(0.0310)

Avg % Abs = 2.0517 (0.0263)
STD DEV = 0.0242 (0.0050)
REL STD DEV = 1.178 (19.114)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.7740	(0.0000)
Sample #2 =	3.7630	(0.0250)
Sample #3 =	3.7860	(0.0160)
Sample #4 =	3.7700	(0.0250)

Avg % Abs = 3.7730 (0.0220)
STD DEV = 0.0118 (0.0052)
REL STD DEV = 0.312 (23.619)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 11922, 9um Io = 14220

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.9080	(-0.0250)
Sample #2 =	3.9390	(-0.0220)
Sample #3 =	3.9400	(-0.0070)
Sample #4 =	3.9240	(0.0090)

Avg % Abs = 3.9343 (-0.0067)
STD DEV = 0.0090 (0.0155)
REL STD DEV = 0.228 (232.540)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.1620	(-0.0110)
Sample #2 =	7.1470	(0.0110)
Sample #3 =	7.1620	(0.0180)
Sample #4 =	7.1490	(0.0180)

Avg % Abs = 7.1527 (0.0157)
STD DEV = 0.0081 (0.0040)
REL STD DEV = 0.114 (25.797)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 11920, 9um Io = 14218

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.7800	(0.0000)
Sample #2 =	5.7480	(0.0320)
Sample #3 =	5.7510	(0.0420)
Sample #4 =	5.7520	(0.0440)

Avg % Abs = 5.7503 (0.0393)
STD DEV = 0.0021 (0.0064)
REL STD DEV = 0.036 (16.345)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	10.4970	(-0.0070)
Sample #2 =	10.4510	(0.0420)
Sample #3 =	10.4810	(0.0440)
Sample #4 =	10.4590	(0.0590)

Avg % Abs = 10.4637 (0.0483)
STD DEV = 0.0155 (0.0093)
REL STD DEV = 0.148 (19.224)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.086
Std Dev = 0.01 Rel Std Dev = 12.25
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.863
Std Dev = 0.03 Rel Std Dev = 3.36
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 2.052
Std Dev = 0.02 Rel Std Dev = 1.18
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.934
Std Dev = 0.01 Rel Std Dev = 0.23
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.750
Std Dev = 0.00 Rel Std Dev = 0.04
Zero Order Coef = -186.55
First Order Coef = 2365.01
Second Order Coef = 26.32
Standard Deviation = 19.386513

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.082
Std Dev = 0.01 Rel Std Dev = 9.90
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.561
Std Dev = 0.01 Rel Std Dev = 0.81
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.773
Std Dev = 0.01 Rel Std Dev = 0.31
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 7.153
Std Dev = 0.01 Rel Std Dev = 0.11
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 10.464
Std Dev = 0.02 Rel Std Dev = 0.15
Zero Order Coef = -107.50
First Order Coef = 1262.16
Second Order Coef = 10.96
Standard Deviation = 34.125679

Solution Stats Quadratic Fit Chan 1

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0004
0.040	0.039	0.0007
0.100	0.100	-0.0003
0.200	0.200	-0.0000
0.300	0.300	0.0000

Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	-0.000	0.0001
0.040	0.040	0.0003
0.100	0.101	-0.0010
0.200	0.199	0.0009
0.300	0.300	-0.0003

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3093.00
Sample #2 = 3148.00
Sample #3 = 3199.00
Sample #4 = 3140.00
Average Result = 3162.3333
STD DEV = 32.0052
REL STD DEV = 1.012
****
***** CHANNEL 2
Sample #1 = 3380.00
Sample #2 = 3389.00
Sample #3 = 3402.00
Sample #4 = 3409.00
Average Result = 3400.0000
STD DEV = 10.1489
REL STD DEV = 0.298
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1016
3 um H2O Adjust (mg/l*10,000) = 647
9 um H2O Adjust (mg/l*10,000) = 409
**** AUTO CAL PASS

SP

Post Calibration Adjustment Stability Checks #80-005113 Hillsborough County S.O. 5/17/17 KDS

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005113
05/17/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:02
Control Test	0.049	12:02
Air Blank	0.000	12:03
Control Test	0.048	12:04
Air Blank	0.000	12:04
Control Test	0.049	12:05
Air Blank	0.000	12:05
Control Test Stats		
Average	0.0487	
Std Dev	0.0006	
Rel Std Dev(%)	1.1863	

KDS
Operator's Signature

SP

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005113
05/17/2017
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	0.078	12:08
Air Blank	0.000	12:09
Control Test	0.078	12:10
Air Blank	0.000	12:10
Control Test Stats		
Average	0.0780	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

KDS
Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005113
05/17/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:12
Control Test	0.195	12:12
Air Blank	0.000	12:13
Control Test	0.195	12:14
Air Blank	0.000	12:14
Control Test	0.195	12:15
Air Blank	0.000	12:16
Control Test Stats		
Average	0.1950	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

KDS
Operator's Signature

DGS

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005113
05/17/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:17
Control Test	0.080	12:17
Air Blank	0.000	12:18
Control Test	0.081	12:18
Air Blank	0.000	12:19
Control Test	0.080	12:19
Air Blank	0.000	12:20
Control Test Stats		
Average	0.0803	
Std Dev	0.0006	
Rel Std Dev(%)	0.7187	

SP

KDS
Operator's Signature