FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Hillsborough County S/N 80-000808

Date In 5/9/17 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 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 [illegible]

- ☑ Lab Temp °C 21.8
- ☑ Breath Tube Screen
- ☑ Replace External O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 175
- ☑ Flow Verification (L/s)

Flow Column # ATP103

32mm 0.148 (.139 - .169)
36mm 0.1667 (.156 - .190)
53mm 0.234 (.228 - .278)
103mm 0.503 (.447 - .547)

- ☑ Barometric Pressure Check

Gauge ID # 26932

- ☑ 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 #

- ☐ 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] RDB

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 RDB

- ☐ 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 RDB	~~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 RDB

- ☑ 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 values closer to nominal. RDB

QA/QC SP

[illegible] 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-Cal Adjust
Stability Checks #80-000808 Hillsborough County S.O. 5/16/17 DWS

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000808
05/16/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:45
Control Test	0.051	11:46
Air Blank	0.000	11:46
Control Test	0.049	11:47
Air Blank	0.000	11:48
Control Test	0.049	11:48
Air Blank	0.000	11:49

Control Test Stats

Average	0.0497
Std Dev	0.0012
Rel Std Dev(%)	2.3249

DWS
Operator's Signature

JP

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000808
05/16/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:50
Control Test	0.079	11:51
Air Blank	0.000	11:52
Control Test	0.077	11:53
Air Blank	0.000	11:53
Control Test	0.077	11:54
Air Blank	0.000	11:54

Control Test Stats

Average	0.0777
Std Dev	0.0012
Rel Std Dev(%)	1.4867

DWS
Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000808
05/16/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:56
Control Test	0.193	11:57
Air Blank	0.000	11:57
Control Test	0.192	11:58
Air Blank	0.000	11:59
Control Test	0.191	11:59
Air Blank	0.000	12:00

Control Test Stats

Average	0.1920
Std Dev	0.0010
Rel Std Dev(%)	0.5208

DWS
Operator's Signature

DGS

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000808
05/16/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:03
Control Test	0.081	12:03
Air Blank	0.000	12:03
Control Test	0.081	12:04
Air Blank	0.000	12:04
Control Test	0.081	12:05
Air Blank	0.000	12:05

Control Test Stats

Average	0.0810
Std Dev	0.0000
Rel Std Dev(%)	0.0000

SP

DWS
Operator's Signature

Optical Bench Calibration Adjustment Data #80-000808 Hillsborough County S.O. 5/17/17 KWS

HILLSBOROUGH CO. SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000808
05/17/2017 10:19:27

Auto Calibration
Max Power Res Value = 48
Auto Range Res Value = 31

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 13105, 9um Io = 14252

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1360	(-0.0250)
Sample #2 =	0.0810	(0.0480)
Sample #3 =	0.1150	(0.0670)
Sample #4 =	0.1240	(0.0820)

Avg % Abs = 0.1067 (0.0657)
STD DEV = 0.0227 (0.0170)
REL STD DEV = 21.261 (25.948)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1290	(-0.0080)
Sample #2 =	0.1290	(0.0180)
Sample #3 =	0.1640	(0.0110)
Sample #4 =	0.1550	(0.0270)

Avg % Abs = 0.1493 (0.0187)
STD DEV = 0.0182 (0.0080)
REL STD DEV = 12.171 (42.969)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 13090, 9um Io = 14248

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7910	(-0.0120)
Sample #2 =	0.7360	(0.0520)
Sample #3 =	0.7710	(0.0380)
Sample #4 =	0.7390	(0.0720)

Avg % Abs = 0.7487 (0.0540)
STD DEV = 0.0194 (0.0171)
REL STD DEV = 2.591 (31.644)

JP

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5480	(-0.0040)
Sample #2 =	1.4890	(0.0520)
Sample #3 =	1.4820	(0.0620)
Sample #4 =	1.4600	(0.0810)

Avg % Abs = 1.4770 (0.0650)
STD DEV = 0.0151 (0.0147)
REL STD DEV = 1.025 (22.663)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 13082, 9um Io = 14242

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8360	(-0.0100)
Sample #2 =	1.7850	(0.0720)
Sample #3 =	1.7750	(0.0900)
Sample #4 =	1.8130	(0.0670)

Avg % Abs = 1.7910 (0.0763)
STD DEV = 0.0197 (0.0121)
REL STD DEV = 1.100 (15.847)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6110	(0.0020)
Sample #2 =	3.5200	(0.1100)
Sample #3 =	3.5240	(0.1200)
Sample #4 =	3.5290	(0.1290)

Avg % Abs = 3.5243 (0.1197)
STD DEV = 0.0045 (0.0095)
REL STD DEV = 0.128 (7.942)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 13072, 9um Io = 14234

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4570	(-0.0150)
Sample #2 =	3.3780	(0.0870)
Sample #3 =	3.4520	(-0.0020)
Sample #4 =	3.4650	(0.0000)

Avg % Abs = 3.4317 (0.0283)
STD DEV = 0.0469 (0.0508)
REL STD DEV = 1.368 (179.353)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.7760	(-0.0070)
Sample #2 =	6.6500	(0.1750)
Sample #3 =	6.8080	(0.0130)
Sample #4 =	6.8280	(0.0040)

Avg % Abs = 6.7620 (0.0640)
STD DEV = 0.0975 (0.0962)
REL STD DEV = 1.442 (150.366)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 13074, 9um Io = 14235

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.1230	(-0.0220)
Sample #2 =	5.1220	(0.0420)
Sample #3 =	5.1270	(0.0280)
Sample #4 =	5.1400	(0.0300)

Avg % Abs = 5.1297 (0.0333)
STD DEV = 0.0093 (0.0076)
REL STD DEV = 0.181 (22.716)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.9770	(-0.0020)
Sample #2 =	10.0240	(0.0420)
Sample #3 =	10.0180	(0.0170)
Sample #4 =	10.0540	(0.0090)

Avg % Abs = 10.0320 (0.0227)
STD DEV = 0.0193 (0.0172)
REL STD DEV = 0.192 (75.946)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.107
Std Dev = 0.02 Rel Std Dev = 21.26
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.749
Std Dev = 0.02 Rel Std Dev = 2.59
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.791
Std Dev = 0.02 Rel Std Dev = 1.10
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.432
Std Dev = 0.05 Rel Std Dev = 1.37
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.130
Std Dev = 0.01 Rel Std Dev = 0.18
Zero Order Coef = -288.18
First Order Coef = 2860.77
Second Order Coef = -3.47
Standard Deviation = 45.738281

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.149
Std Dev = 0.02 Rel Std Dev = 12.17
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.477
Std Dev = 0.02 Rel Std Dev = 1.02
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.524
Std Dev = 0.00 Rel Std Dev = 0.13
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.762
Std Dev = 0.10 Rel Std Dev = 1.44
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 10.032
Std Dev = 0.02 Rel Std Dev = 0.19
Zero Order Coef = -209.40
First Order Coef = 1410.88
Second Order Coef = 3.49
Standard Deviation = 30.414715

SP

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	0.0011
0.100	0.101	-0.0013
0.200	0.199	0.0007
0.300	0.300	-0.0002

Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0000
0.040	0.040	0.0005
0.100	0.101	-0.0009
0.200	0.199	0.0007
0.300	0.300	-0.0002

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3170.00
Sample #2 = 3221.00
Sample #3 = 3165.00
Sample #4 = 3097.00
Average Result = 3161.0000
STD DEV = 62.0967
REL STD DEV = 1.964
****
***** CHANNEL 2
Sample #1 = 3371.00
Sample #2 = 3367.00
Sample #3 = 3365.00
Sample #4 = 3370.00
Average Result = 3367.3333
STD DEV = 2.5166
REL STD DEV = 0.075
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1016
3 um H20 Adjust (mg/l*10,000) = 648
9 um H20 Adjust (mg/l*10,000) = 442
**** AUTO CAL PASS

Post Calibration
Adjustment Stability Checks #80-000808 Hillsborough County S.O. 5/17/17 KDVS

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000808
05/17/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:29
Control Test	0.052	11:29
Air Blank	0.000	11:30
Control Test	0.052	11:31
Air Blank	0.000	11:31
Control Test	0.052	11:32
Air Blank	0.000	11:32

Control Test Stats

Average	0.0520
Std Dev	0.0000
Rel Std Dev(%)	0.0000

Simulator Running hot. Replaced simulator. KDVS

KDVS
Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000808
05/17/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:54
Control Test	0.048	11:55
Air Blank	0.000	11:55
Control Test	0.049	11:56
Air Blank	0.000	11:56
Control Test	0.050	11:57
Air Blank	0.000	11:58

Control Test Stats

Average	0.0490
Std Dev	0.0010
Rel Std Dev(%)	2.0408

KDVS
Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000808
05/17/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:34
Control Test	0.080	11:34
Air Blank	0.000	11:35
Control Test	0.081	11:36
Air Blank	0.000	11:36
Control Test	0.082	11:37
Air Blank	0.000	11:38

Control Test Stats

Average	0.0810
Std Dev	0.0010
Rel Std Dev(%)	1.2346

KDVS
Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000808
05/17/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:40
Control Test	0.197	11:41
Air Blank	0.000	11:41
Control Test	0.198	11:42
Air Blank	0.000	11:42
Control Test	0.198	11:43
Air Blank	0.000	11:44

Control Test Stats

Average	0.1977
Std Dev	0.0006
Rel Std Dev(%)	0.2921

KDVS
Operator's Signature

DBS

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000808
05/17/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:45
Control Test	0.080	11:45
Air Blank	0.000	11:46
Control Test	0.080	11:46
Air Blank	0.000	11:47
Control Test	0.080	11:47
Air Blank	0.000	11:48

Control Test Stats

Average	0.0800
Std Dev	0.0000
Rel Std Dev(%)	0.0000

SP

KDVS
Operator's Signature

YP