FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Pinellas County SO S/N 80-001066

Date In 2/2/16 Date Out 2/29/16 ☑Ship ☐P/U ☐H/D ☐CMI ☐EE

RECEIVED FEB 29 2016 FDLE Alcohol Testing Program

Intake Performed By TB

- ☐ 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

Notes:

Quality Checks Performed By EAB

- ☑ Breath Tube Screen
- ☑ Replace O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 214
- ☑ Flow Verification (L/s)
  - Flow Column # ATP103
  - 32mm 0.140 (.139 - .169)
  - 36mm 0.160 (.156 - .190)
  - 53mm 0.234 (.228 - .278)
  - 103mm 0.496 (.447 - .547)
- ☑ Barometric Pressure Check
  - Gauge ID # 210932
- ☑ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	G11739	201507A 7/14/17
0.08	G8149	201502G 2/24/17
0.20	G11621	201505A 5/12/17
0.08 DGS	N/A	AG511701 4/27/17

Flow Calibration Performed By

- ☑ Flow Calibration N/A
- ☐ Flow Calibration Complete
  - Flow Column #
  - ☐ 5L/min – 17mm
  - ☐ 15L/min – 43mm
  - ☐ 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 EAB

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

Barometric Pressure Gauge 1020 ID # 28427

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	09014080A1	5/1/16

☑ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD1018	201507A	7/14/17
0.08	SD1011	201502G	2/24/17
0.20	G4444	201505A	5/12/17
0.08 DGS	N/A	12014080A1	6/1/16

Department Inspection Performed By EAB

- ☑ Barometric Pressure ID# 26932 — 1019 Gauge / 1018 Instrument

Mouth Alcohol Solution Lot # 2015-A

Acetone Stock Solution Lot # 2015-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 Form 40

Notes: Bypassed AI to operate instrument Not a compliance check EAB Optical bench calibration completed to bring values closer to nominal EAB

QC-BK

- ☑ **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 G. Murphy
Quality Control Review

2/29/16
Date

Revised November 2012

Stability Checks 80-001066 Pinellas County SO. 2/22/16 DAS

RSK

DGS

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001066
02/22/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:33
Control Test	0.049	10:34
Air Blank	0.000	10:34
Control Test	0.048	10:35
Air Blank	0.000	10:36
Control Test	0.048	10:36
Air Blank	0.000	10:37
Control Test Stats		
Average	0.0483	
Std Dev	0.0006	
Rel Std Dev(%)	1.1945	

Operator's Signature

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001066
02/22/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:38
Control Test	0.079	10:39
Air Blank	0.000	10:39
Control Test	0.079	10:40
Air Blank	0.000	10:41
Control Test	0.078	10:41
Air Blank	0.000	10:42
Control Test Stats		
Average	0.0787	
Std Dev	0.0006	
Rel Std Dev(%)	0.7339	

Operator's Signature

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001066
02/22/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:43
Control Test	0.202	10:44
Air Blank	0.000	10:45
Control Test	0.201	10:45
Air Blank	0.000	10:46
Control Test	0.200	10:47
Air Blank	0.000	10:47
Control Test Stats		
Average	0.2010	
Std Dev	0.0010	
Rel Std Dev(%)	0.4975	

Operator's Signature

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001066
02/22/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:48
Control Test	0.077	10:48
Air Blank	0.000	10:49
Control Test	0.076	10:49
Air Blank	0.000	10:50
Control Test	0.076	10:50
Air Blank	0.000	10:50
Control Test Stats		
Average	0.0763	
Std Dev	0.0006	
Rel Std Dev(%)	0.7564	

Operator's Signature

Optical bench calibration 80-001066 Pinellas County S.O. 2/29/16 RDM3

RDM

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001066
02/29/2016 11:21:14

Auto Calibration
Max Power Res Value = 24
Auto Range Res Value = 13

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12600, 9um Io = 12440

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1350	(-0.0090)
Sample #2 =	0.1200	(0.0060)
Sample #3 =	0.1080	(0.0260)
Sample #4 =	0.1070	(0.0430)

Avg % Abs = 0.1117 (0.0257)
STD DEV = 0.0072 (0.0175)
REL STD DEV = 6.478 (68.191)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.2200	(-0.0200)
Sample #2 =	0.1830	(0.0090)
Sample #3 =	0.1970	(0.0120)
Sample #4 =	0.1940	(0.0170)

Avg % Abs = 0.1913 (0.0127)
STD DEV = 0.0074 (0.0040)
REL STD DEV = 3.853 (31.906)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12590, 9um Io = 12435

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8490	(-0.0190)
Sample #2 =	0.8190	(0.0160)
Sample #3 =	0.8160	(0.0350)
Sample #4 =	0.8300	(0.0350)

Avg % Abs = 0.8217 (0.0287)
STD DEV = 0.0074 (0.0110)
REL STD DEV = 0.897 (38.266)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.6450	(-0.0050)
Sample #2 =	1.6270	(0.0210)
Sample #3 =	1.6070	(0.0350)
Sample #4 =	1.6260	(0.0300)

Avg % Abs = 1.6200 (0.0287)
STD DEV = 0.0113 (0.0071)
REL STD DEV = 0.696 (24.749)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12583, 9um Io = 12431

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8990	(0.0000)
Sample #2 =	1.8870	(0.0280)
Sample #3 =	1.8810	(0.0340)
Sample #4 =	1.9040	(0.0430)

Avg % Abs = 1.8907 (0.0350)
STD DEV = 0.0119 (0.0075)
REL STD DEV = 0.631 (21.571)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.7910	(-0.0110)
Sample #2 =	3.7790	(0.0170)
Sample #3 =	3.7530	(0.0430)
Sample #4 =	3.7460	(0.0500)

Avg % Abs = 3.7593 (0.0367)
STD DEV = 0.0174 (0.0174)
REL STD DEV = 0.463 (47.421)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12575, 9um Io = 12425

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6250	(-0.0310)
Sample #2 =	3.5930	(0.0090)
Sample #3 =	3.5940	(0.0370)
Sample #4 =	3.5880	(0.0460)

Avg % Abs = 3.5917 (0.0307)
STD DEV = 0.0032 (0.0193)
REL STD DEV = 0.089 (62.922)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.1510	(-0.0130)
Sample #2 =	7.1090	(0.0290)
Sample #3 =	7.1220	(0.0400)
Sample #4 =	7.1210	(0.0440)

Avg % Abs = 7.1173 (0.0377)
STD DEV = 0.0072 (0.0078)
REL STD DEV = 0.102 (20.622)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12569, 9um Io = 12424

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.8840	(-0.0290)
Sample #2 =	6.8300	(0.0200)
Sample #3 =	6.8170	(0.0540)
Sample #4 =	6.8270	(0.0410)

Avg % Abs = 6.8247 (0.0383)
STD DEV = 0.0068 (0.0172)
REL STD DEV = 0.100 (44.755)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	13.3490	(-0.0020)
Sample #2 =	13.3030	(0.0740)
Sample #3 =	13.2830	(0.1020)
Sample #4 =	13.3120	(0.0750)

Avg % Abs = 13.2993 (0.0837)
STD DEV = 0.0148 (0.0159)
REL STD DEV = 0.112 (18.986)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.112
Std Dev = 0.01 Rel Std Dev = 6.48
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.822
Std Dev = 0.01 Rel Std Dev = 0.90
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.891
Std Dev = 0.01 Rel Std Dev = 0.63
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.592
Std Dev = 0.00 Rel Std Dev = 0.09
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.825
Std Dev = 0.01 Rel Std Dev = 0.10
Zero Order Coef = -284.14
First Order Coef = 2615.66
Second Order Coef = 31.79
Standard Deviation = 12.043102

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.191
Std Dev = 0.01 Rel Std Dev = 3.65
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.620
Std Dev = 0.01 Rel Std Dev = 0.70
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.759
Std Dev = 0.02 Rel Std Dev = 0.46
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 7.117
Std Dev = 0.01 Rel Std Dev = 0.10
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 13.299
Std Dev = 0.01 Rel Std Dev = 0.11
Zero Order Coef = -229.32
First Order Coef = 1281.33
Second Order Coef = 12.63
Standard Deviation = 15.510025

TSK

Solution Stats Quadratic Fit Chan 1

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0002
0.040	0.040	0.0004
0.100	0.100	-0.0003
0.200	0.200	0.3001
0.400	0.400	0.0000

Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0003
0.040	0.039	0.0005
0.100	0.100	-0.0001
0.200	0.200	-0.0001
0.400	0.400	0.0000

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3030.00
Sample #2 = 3008.00
Sample #3 = 2980.00
Sample #4 = 3012.00
Average Result = 3000.0000
STD DEV = 17.4356
REL STD DEV = 0.581
****
***** CHANNEL 2
Sample #1 = 3180.00
Sample #2 = 3183.00
Sample #3 = 3146.00
Sample #4 = 3191.00
Average Result = 3173.3333
STD DEV = 24.0069
REL STD DEV = 0.757
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1018
3 um H20 Adjust (mg/l*10,000) = 809
9 um H20 Adjust (mg/l*10,000) = 636
**** AUTO CAL PASS

Post-Cal Stability Checks 80-001066 Pinellas County S.O. 2/29/16 DMB

PGM

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001066
02/29/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:13
Control Test	0.050	12:14
Air Blank	0.000	12:15
Control Test	0.050	12:15
Air Blank	0.000	12:16
Control Test	0.050	12:16
Air Blank	0.000	12:17
Control Test Stats		
Average	0.0500	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001066
02/29/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:18
Control Test	0.079	12:19
Air Blank	0.000	12:19
Control Test	0.079	12:20
Air Blank	0.000	12:21
Control Test	0.080	12:21
Air Blank	0.000	12:22
Control Test Stats		
Average	0.0793	
Std Dev	0.0006	
Rel Std Dev(%)	0.7277	

Operator's Signature

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001066
02/29/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:23
Control Test	0.199	12:24
Air Blank	0.000	12:24
Control Test	0.200	12:25
Air Blank	0.000	12:26
Control Test	0.200	12:26
Air Blank	0.000	12:27
Control Test Stats		
Average	0.1997	
Std Dev	0.0006	
Rel Std Dev(%)	0.2892	

Operator's Signature

DGS

BK

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001066
02/29/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:28
Control Test	0.079	12:28
Air Blank	0.000	12:29
Control Test	0.079	12:29
Air Blank	0.000	12:29
Control Test	0.079	12:30
Air Blank	0.000	12:30
Control Test Stats		
Average	0.0790	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature