FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency FWC S/N 80-000901

Date In 3/4/16 Date Out 3/15/16 ☑ Ship ☐ P/U ☐ H/D ☐ CMI ☐ EE

RECEIVED MAR 21 2016 FDLE Alcohol Testing Program

Intake Performed By TP

- ☐ Registration
- ☑ Annual
- ☐ Return from CMI
- ☐ Return from Enforcement Electronics
- ☐ 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

Notes:

Quality Checks Performed By RMB

- ☑ Breath Tube Screen
- ☑ Replace O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 165
- ☑ Flow Verification (L/s)
  - Flow Column # ATP103
  - 32mm 0.156 (.139 - .169)
  - 36mm 0.167 (.156 - .190)
  - 53mm 0.238 (.228 - .278)
  - 103mm 0.511 (.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	AG605301 2/22/18

Flow Calibration Performed By

- ☑ Flow Calibration N/A
- ☐ Flow Calibration Complete
  - Flow Column # Alcohol
  - ☐ 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 # 216932

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	09D14080A1	5/1/16

☑ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
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	AG605301	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-R

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-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 Murphy
Quality Control Review

3/21/16
Date

Revised November 2012

Pre-
Stability Checks 80-000901 FFWCC 3/9/16 RMB

PDM

BIK

DGS

FFWCC TAMPA
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000901
03/09/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:54
Control Test	0.051	13:54
Air Blank	0.000	13:55
Control Test	0.051	13:56
Air Blank	0.000	13:56
Control Test	0.051	13:57
Air Blank	0.000	13:57
Control Test Stats		
Average	0.0510	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

RMB
Operator's Signature

FFWCC TAMPA
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000901
03/09/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:03
Control Test	0.081	14:04
Air Blank	0.000	14:04
Control Test	0.079	14:05
Air Blank	0.000	14:06
Control Test	0.079	14:06
Air Blank	0.000	14:07
Control Test Stats		
Average	0.0797	
Std Dev	0.0012	
Rel Std Dev(%)	1.4494	

RMB
Operator's Signature

FFWCC TAMPA
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000901
03/09/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:49
Control Test	0.199	13:49
Air Blank	0.000	13:50
Control Test	0.201	13:51
Air Blank	0.000	13:51
Control Test	0.202	13:52
Air Blank	0.000	13:52
Control Test Stats		
Average	0.2007	
Std Dev	0.0015	
Rel Std Dev(%)	0.7612	

RMB
Operator's Signature

FFWCC TAMPA
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000901
03/09/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:58
Control Test	0.083	13:59
Air Blank	0.000	13:59
Control Test	0.082	14:00
Air Blank	0.000	14:00
Control Test	0.083	14:00
Air Blank	0.000	14:01
Control Test Stats		
Average	0.0827	
Std Dev	0.0006	
Rel Std Dev(%)	0.6984	

RMB
Operator's Signature

Calibration Data 80-000901 FFWCC 3/15/16 RDB

FFWCC TAMPA
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000901
03/15/2016 10:45:48

Auto Calibration
Max Power Res Value = 42
Auto Range Res Value = 25

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12610, 9um Io = 13840

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0530	(0.0040)
Sample #2 =	0.0710	(0.0080)
Sample #3 =	0.1110	(-0.0140)
Sample #4 =	0.0680	(0.0160)

Avg % Abs = 0.0833 (0.0033)
STD DEV = 0.0240 (0.0155)
REL STD DEV = 28.808 (466.047)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1410	(-0.0170)
Sample #2 =	0.1370	(0.0070)
Sample #3 =	0.1530	(-0.0140)
Sample #4 =	0.1330	(-0.0180)

Avg % Abs = 0.1410 (-0.0083)
STD DEV = 0.0106 (0.0134)
REL STD DEV = 7.506 (161.146)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12598, 9um Io = 13836

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7160	(-0.0420)
Sample #2 =	0.7300	(-0.0480)
Sample #3 =	0.7450	(-0.0370)
Sample #4 =	0.7440	(-0.0060)

Avg % Abs = 0.7397 (-0.0303)
STD DEV = 0.0084 (0.0218)
REL STD DEV = 1.134 (71.800)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5990	(0.0000)
Sample #2 =	1.6380	(-0.0230)
Sample #3 =	1.6040	(-0.0100)
Sample #4 =	1.6110	(-0.0070)

Avg % Abs = 1.6177 (-0.0133)
STD DEV = 0.0180 (0.0085)
REL STD DEV = 1.110 (63.787)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12599, 9um Io = 13837

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.7360	(0.0100)
Sample #2 =	1.7450	(0.0320)
Sample #3 =	1.7000	(0.0540)
Sample #4 =	1.7170	(0.0420)

Avg % Abs = 1.7207 (0.0427)
STD DEV = 0.0227 (0.0110)
REL STD DEV = 1.321 (25.817)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.8120	(-0.0110)
Sample #2 =	3.7370	(0.0630)
Sample #3 =	3.7150	(0.0790)
Sample #4 =	3.7220	(0.0810)

Avg % Abs = 3.7247 (0.0743)
STD DEV = 0.0112 (0.0099)
REL STD DEV = 0.302 (13.272)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12595, 9um Io = 13829

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.3450	(-0.0010)
Sample #2 =	3.3440	(0.0110)
Sample #3 =	3.2930	(0.0860)
Sample #4 =	3.3160	(0.0580)

Avg % Abs = 3.3177 (0.0517)
STD DEV = 0.0255 (0.0379)
REL STD DEV = 0.770 (73.353)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.2600	(-0.0290)
Sample #2 =	7.1380	(0.0710)
Sample #3 =	7.1240	(0.0870)
Sample #4 =	7.1710	(0.0690)

Avg % Abs = 7.1443 (0.0757)
STD DEV = 0.0241 (0.0099)
REL STD DEV = 0.338 (13.038)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12592, 9um Io = 13827

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.4260	(-0.0050)
Sample #2 =	6.3690	(0.0650)
Sample #3 =	6.3360	(0.0980)
Sample #4 =	6.2820	(0.1230)

Avg % Abs = 6.3290 (0.0953)
STD DEV = 0.0439 (0.0291)
REL STD DEV = 0.694 (30.516)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	13.4820	(-0.0210)
Sample #2 =	13.3140	(0.1660)
Sample #3 =	13.2740	(0.2010)
Sample #4 =	13.2630	(0.1960)

Avg % Abs = 13.2837 (0.1877)
STD DEV = 0.0268 (0.0189)
REL STD DEV = 0.202 (10.087)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.083
Std Dev = 0.02 Rel Std Dev = 28.81
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.740
Std Dev = 0.01 Rel Std Dev = 1.13
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.721
Std Dev = 0.02 Rel Std Dev = 1.32
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.318
Std Dev = 0.03 Rel Std Dev = 0.77
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.329
Std Dev = 0.04 Rel Std Dev = 0.69
Zero Order Coef = -220.96
First Order Coef = 2829.70
Second Order Coef = 33.85
Standard Deviation = 14.811675

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.141
Std Dev = 0.01 Rel Std Dev = 7.51
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.618
Std Dev = 0.02 Rel Std Dev = 1.11
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.725
Std Dev = 0.01 Rel Std Dev = 0.30
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 7.144
Std Dev = 0.02 Rel Std Dev = 0.34
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 13.284
Std Dev = 0.03 Rel Std Dev = 0.20
Zero Order Coef = -167.30
First Order Coef = 1261.05
Second Order Coef = 13.92
Standard Deviation = 25.198547

Solution Stats Quadratic Fit Chan 1

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

BK

Solution Stats Quadratic Fit Chan 2

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.000	-0.0002
0.040	0.040	-0.0001
0.100	0.099	0.0008
0.200	0.201	-0.0006
0.400	0.400	0.0002

Sol Value = 0.000 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3255.00
Sample #2 = 3442.00
Sample #3 = 3308.00
Sample #4 = 3459.00
Average Result = 3403.0000
STD DEV = 82.7103
REL STD DEV = 2.431
****
***** CHANNEL 2
Sample #1 = 3149.00
Sample #2 = 3247.00
Sample #3 = 3244.00
Sample #4 = 3248.00
Average Result = 3246.3333
STD DEV = 2.0817
REL STD DEV = 0.064
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1013
3 um H20 Adjust (mg/l*10,000) = 406
9 um H20 Adjust (mg/l*10,000) = 563
**** AUTO CAL PASS

Post-Cal

Stability Checks 80-000901 FFWCC 3/15/16 DMB

PGM

FFWCC TAMPA
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000901
03/15/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:01
Control Test	0.050	12:02
Air Blank	0.000	12:02
Control Test	0.050	12:03
Air Blank	0.000	12:03
Control Test	0.050	12:04
Air Blank	0.000	12:05
Control Test Stats		
Average	0.0500	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

DMB
Operator's Signature

FFWCC TAMPA
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000901
03/15/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:06
Control Test	0.079	12:06
Air Blank	0.000	12:07
Control Test	0.079	12:08
Air Blank	0.000	12:08
Control Test	0.078	12:09
Air Blank	0.000	12:10
Control Test Stats		
Average	0.0787	
Std Dev	0.0006	
Rel Std Dev(%)	0.7339	

DMB
Operator's Signature

FFWCC TAMPA
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000901
03/15/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:12
Control Test	0.202	12:12
Air Blank	0.000	12:13
Control Test	0.201	12:14
Air Blank	0.000	12:14
Control Test	0.200	12:15
Air Blank	0.000	12:15
Control Test Stats		
Average	0.2010	
Std Dev	0.0010	
Rel Std Dev(%)	0.4975	

DMB
Operator's Signature

DGS

FFWCC TAMPA
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000901
03/15/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:17
Control Test	0.080	12:18
Air Blank	0.000	12:18
Control Test	0.080	12:18
Air Blank	0.000	12:19
Control Test	0.080	12:19
Air Blank	0.000	12:20
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

BK

DMB
Operator's Signature