FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency St. Petersburg PD S/N 80-001051

Date In 7/20/16 Date Out 8/1/16 ☐Ship ☐P/U ☐H/D ☐CMI ☐EE

RECEIVED AUG 02 2016 FDLE Alcohol Testing Program

Intake Performed By (DS)

- ☐ 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 Static Bag

Notes:

Quality Checks Performed By DWS

- ☑ Breath Tube Screen
- ☑ Replace O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 1165
- ☑ Flow Verification (L/s)

Flow Column # ATP102

32mm	0.148	(.139 - .169)
36mm	0.167	(.156 - .190)
53mm	0.238	(.228 - .278)
103mm	0.507	(.447 - .547)

- ☑ Barometric Pressure Check X

Gauge ID # 28427 ⇒ 1018

- ☑ Stability Checks Ins. ⇒ 1007

Simulator	Serial #	Lot #/Exp
0.05	SD1018	201507A 07/14/17
0.08	SD1011	201601F 1/26/18
0.20	SD1025	201505A 5/12/17
0.08 DGS	N/A	AG612405 5/3/18

Flow Calibration Performed By

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

Flow Column # Attic

- ☐ 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 DWS

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

Barometric Pressure Gauge 1016 ID # 26932

Simulator	Serial Number	Lot Number	Expiration
0.000	DR1275	N/A	N/A
0.040	G2882	16101	2/2/18
0.100	G2078	16001	5/8/18
0.200	G2408	15104	5/27/17
0.400	G5358	16102	3/22/18
0.080 DGS	N/A	03415080A1	3/5/17

- ☑ 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	SD1025	201505A	5/12/17
0.08 DGS	N/A	AG612405	5/3/18

Department Inspection Performed By DWS

- ☑ Barometric Pressure ID# 28427 — 1018 Gauge — 1016 Instrument

Mouth Alcohol Solution Lot # 2015-A

Acetone Stock Solution Lot # 2016-B

Simulator	Serial Number
0.00	SD1019
Interferent	SD1021
0.05	SD1018
0.08	SD1011
0.20	SD1025

Attachments

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

Notes: Optical bench calibration to adjust barometric pressure of instrument to bring value closer to nominal. DWS All values on stability checks were reading within limits DWS

QA/QC OK DSM 8/2/16

- ☑ **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**

Brett Kirkland
Quality Control Review

8/2/16
Date

Revised November 2012

Pre-Stability Checks #80-001051 St. Petersburg P.D. 7/26/16 DMB

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001051
07/26/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	17:25
Control Test	0.049	17:25
Air Blank	0.000	17:26
Control Test	0.050	17:27
Air Blank	0.000	17:27
Control Test	0.050	17:28
Air Blank	0.000	17:28
Control Test Stats		
Average	0.0497	
Std Dev	0.0006	
Rel Std Dev(%)	1.1625	

DMB

Operator's Signature

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001051
07/26/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	17:03
Control Test	0.080	17:04
Air Blank	0.000	17:05
Control Test	0.080	17:05
Air Blank	0.000	17:06
Control Test	0.080	17:07
Air Blank	0.000	17:07
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

DMB

Operator's Signature

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001051
07/26/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	17:18
Control Test	0.202	17:19
Air Blank	0.000	17:20
Control Test	0.204	17:20
Air Blank	0.000	17:21
Control Test	0.203	17:22
Air Blank	0.000	17:22
Control Test Stats		
Average	0.2030	
Std Dev	0.0010	
Rel Std Dev(%)	0.4926	

DCS

Operator's Signature

DCS

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001051
07/26/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	17:32
Control Test	0.080	17:32
Air Blank	0.000	17:33
Control Test	0.079	17:33
Air Blank	0.000	17:34
Control Test	0.079	17:34
Air Blank	0.000	17:35
Control Test Stats		
Average	0.0793	
Std Dev	0.0006	
Rel Std Dev(%)	0.7277	

BK

DMB

Operator's Signature

Calibration Data # 80-001051 St. Petersburg P.D. 8/1/16 BK

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001051
08/01/2016 18:07:52

Auto Calibration
Max Power Res Value = 42
Auto Range Res Value = 21

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12152, 9um Io = 14119

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1450	(0.0000)
Sample #2 =	0.1280	(0.0200)
Sample #3 =	0.1160	(0.0810)
Sample #4 =	0.1170	(0.1050)

Avg % Abs = 0.1203 (0.0687)
STD DEV = 0.0067 (0.0438)
REL STD DEV = 5.533 (63.818)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0910	(-0.0140)
Sample #2 =	0.0860	(-0.0079)
Sample #3 =	0.1020	(-0.0010)
Sample #4 =	0.1000	(0.0060)

Avg % Abs = 0.0960 (-0.0007)
STD DEV = 0.0087 (0.0065)
REL STD DEV = 9.081 (975.961)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12134, 9um Io = 14115

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8700	(-0.0130)
Sample #2 =	0.8570	(0.0240)
Sample #3 =	0.8570	(0.0350)
Sample #4 =	0.8750	(0.0393)

Avg % Abs = 0.8630 (0.0327)
STD DEV = 0.0104 (0.0078)
REL STD DEV = 1.204 (23.778)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4910	(-0.0040)
Sample #2 =	1.4850	(0.0090)
Sample #3 =	1.4870	(0.0210)
Sample #4 =	1.4790	(0.0300)

Avg % Abs = 1.4837 (0.0200)
STD DEV = 0.0042 (0.0105)
REL STD DEV = 0.281 (52.678)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12128, 9um Io = 14111

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.9790	(-0.0090)
Sample #2 =	2.0000	(0.0200)
Sample #3 =	2.0000	(0.0360)
Sample #4 =	1.9930	(0.0150)

Avg % Abs = 1.9977 (0.0237)
STD DEV = 0.0040 (0.0110)
REL STD DEV = 0.202 (46.351)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5780	(-0.0140)
Sample #2 =	3.5690	(0.0250)
Sample #3 =	3.5740	(0.0300)
Sample #4 =	3.5860	(0.0140)

Avg % Abs = 3.5763 (0.0230)
STD DEV = 0.0087 (0.0082)
REL STD DEV = 0.244 (35.588)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12125, 9um Io = 14107

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.8700	(-0.0119)
Sample #2 =	3.8950	(0.0300)
Sample #3 =	3.8470	(0.0700)
Sample #4 =	3.8660	(0.0590)

Avg % Abs = 3.8693 (0.0530)
STD DEV = 0.0242 (0.0207)
REL STD DEV = 0.625 (38.989)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.0080	(-0.0240)
Sample #2 =	6.9850	(0.0510)
Sample #3 =	6.9700	(0.0710)
Sample #4 =	6.9540	(0.0700)

Avg % Abs = 6.9697 (0.0640)
STD DEV = 0.0155 (0.0113)
REL STD DEV = 0.222 (17.608)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12120, 9um Io = 14104

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.2960	(-0.0110)
Sample #2 =	7.2240	(0.0690)
Sample #3 =	7.2030	(0.0840)
Sample #4 =	7.1960	(0.1050)

Avg % Abs = 7.2077 (0.0860)
STD DEV = 0.0146 (0.0181)
REL STD DEV = 0.202 (21.027)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	13.0240	(-0.0070)
Sample #2 =	12.9140	(0.1100)
Sample #3 =	12.8900	(0.1200)
Sample #4 =	12.8670	(0.1380)

Avg % Abs = 12.8903 (0.1227)
STD DEV = 0.0235 (0.0142)
REL STD DEV = 0.182 (11.567)

Ogm BK

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.120
Std Dev = 0.01 Rel Std Dev = 5.53
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.863
Std Dev = 0.01 Rel Std Dev = 1.20
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.998
Std Dev = 0.00 Rel Std Dev = 0.20
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.869
Std Dev = 0.02 Rel Std Dev = 0.62
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 7.208
Std Dev = 0.01 Rel Std Dev = 0.20
Zero Order Coef = -228.96
First Order Coef = 2384.12
Second Order Coef = 40.00
Standard Deviation = 62.335243

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.096
Std Dev = 0.01 Rel Std Dev = 9.08
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.484
Std Dev = 0.00 Rel Std Dev = 0.28
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.576
Std Dev = 0.01 Rel Std Dev = 0.24
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.970
Std Dev = 0.02 Rel Std Dev = 0.22
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 12.890
Std Dev = 0.02 Rel Std Dev = 0.18
Zero Order Coef = -66.02
First Order Coef = 1273.63
Second Order Coef = 16.13
Standard Deviation = 61.098618

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.001	-0.0012
0.040	0.039	0.0010
0.100	0.099	0.0014
0.200	0.201	-0.0015
0.400	0.400	0.0003

Solution Stats Quadratic Fit Chan 2

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.001	-0.0012
0.040	0.039	0.0010
0.100	0.099	0.0014
0.200	0.201	-0.0015
0.400	0.400	0.0003

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3165.00
Sample #2 = 3162.00
Sample #3 = 3005.00
Sample #4 = 3009.00
Average Result = 3058.6667
STD DEV = 89.5116
REL STD DEV = 2.926
****
***** CHANNEL 2
Sample #1 = 3468.00
Sample #2 = 3510.00
Sample #3 = 3463.00
Sample #4 = 3472.00
Average Result = 3481.6667
STD DEV = 24.9466
REL STD DEV = 0.717
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1016
3 um H20 Adjust (mg/l*10,000) = 751
9 um H20 Adjust (mg/l*10,000) = 328
**** AUTO CAL PASS

Post-Cal
Stability Checks #80-001051 St. Petersburg P.D. 8/1/16 DWB

BK

DGS

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001051
08/01/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	19:03
Control Test	0.049	19:04
Air Blank	0.000	19:04
Control Test	0.049	19:05
Air Blank	0.000	19:06
Control Test	0.049	19:06
Air Blank	0.000	19:07
Control Test Stats		
Average	0.0490	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001051
08/01/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	19:08
Control Test	0.079	19:09
Air Blank	0.000	19:09
Control Test	0.080	19:10
Air Blank	0.000	19:11
Control Test	0.079	19:11
Air Blank	0.000	19:12
Control Test Stats		
Average	0.0793	
Std Dev	0.0006	
Rel Std Dev(%)	0.7277	

Operator's Signature

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001051
08/01/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	19:13
Control Test	0.198	19:14
Air Blank	0.000	19:14
Control Test	0.199	19:15
Air Blank	0.000	19:15
Control Test	0.198	19:16
Air Blank	0.000	19:17
Control Test Stats		
Average	0.1983	
Std Dev	0.0006	
Rel Std Dev(%)	0.2911	

Operator's Signature

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001051
08/01/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	19:19
Control Test	0.080	19:19
Air Blank	0.000	19:20
Control Test	0.080	19:20
Air Blank	0.000	19:20
Control Test	0.080	19:21
Air Blank	0.000	19:21
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature