



Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Palm Beach County Sheriff's Office S/N 80-001741

Date In 02/15/2016 Date Out 02/15/2016  Ship  P/U  H/D  CMI  EE

**Intake** Performed By DELL

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 DELL

Breath Tube Screen  
 Replace O-Rings  
 Instrument Set Up Verified  
 R-Value 192  
 Flow Verification (L/s)  
 Flow Column # ATP 101  
 32mm 164 (.139 - .169)  
 36mm 175 (.156 - .190)  
 53mm 250 (.228 - .278)  
 103mm 511 (.447 - .547)

Barometric Pressure Check  
 Gauge ID # 68639

Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	<u>503967</u>	<u>201507A</u> <u>07/14/2017</u>
0.08	<u>503968</u>	<u>2015026</u> <u>02/24/2017</u>
0.20	<u>503969</u>	<u>201505A</u> <u>05/12/2017</u>
0.08 DGS	N/A	<u>AG507503</u> <u>03/16/2017</u>

**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 \_\_\_\_\_

**Suggested Service**

RECEIVED  
FEB 26 2016  
FDLE  
Alcohol Testing Program

**Optical Bench Calibration** Performed By DELL

Optical Bench Calibration N/A  
 Optical Bench Calibration Complete  
 Barometric Pressure Gauge 1015 ID# 68639

Simulator	Serial Number	Lot Number	Expiration
0.000	<u>2735</u>	N/A	N/A
0.040	<u>2108</u>	<u>15108</u>	<u>08-18-2017</u>
0.100	<u>2237</u>	<u>15001</u>	<u>05-20-2017</u>
0.200	<u>2238</u>	<u>15104</u>	<u>05-27-2017</u>
0.400	<u>2239</u>	<u>15105</u>	<u>06-10-2017</u>
0.080 DGS	N/A	<u>03415080A1</u>	<u>03-05-2017</u>

**Department Inspection** Performed By DELL

Barometric Pressure 1018 / 1014 Gauge  
 ID# 28199-28199 1016 / 1016 Instrument

Mouth Alcohol Solution Lot # 2015-A / 2015-A  
 Acetone Stock Solution Lot # 2015-B / 2015-B

Simulator	Serial Number
0.00	<u>503965</u>
Interferent	<u>503966</u>
0.05	<u>503967</u>
0.08	<u>503968</u>
0.20	<u>503969</u>

Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	<u>503967</u>	<u>201507A</u>	<u>07/14/2017</u>
0.08	<u>503968</u>	<u>2015026</u>	<u>02/24/2017</u>
0.20	<u>503969</u>	<u>201505A</u>	<u>05/12/2017</u>
0.08 DGS	N/A	<u>AG507503</u>	<u>03/16/2017</u>

**Attachments**

Form 41  
 Pre-Stability Tests  
 Flow Calibration

Optical Bench Cal  
 Post-Stability Tests  
 Other \_\_\_\_\_

Notes: 02/16/2016  APPROVED

Recalibrated to bring values closer to optimum  
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

Patricia Murphy  
Quality Control Review

2/16/16  
Date

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Stabilities	80-001741	Palm Beach County Sheriff's Office	02/15/2016	<i>Bill</i>

*Bill*

0.05g/210L	0.08g/210L	0.20g/210L	DGS 0.08g/210L
0.047 to 0.053 <input checked="" type="checkbox"/>	0.077 to 0.083 <input checked="" type="checkbox"/>	0.194 to 0.206 <input checked="" type="checkbox"/>	0.077 to 0.083 <input checked="" type="checkbox"/>

PALM BEACH CO SO  
 Intoxilizer - Alcohol Analyzer  
 Model 8100 SN 80-001741  
 02/15/2016  
 Software: 8100.27

Test 9/21/0 Time

Air Blank 0.000 09:23  
 Control Test 0.048 09:24  
 Air Blank 0.000 09:25  
 Control Test 0.048 09:25  
 Air Blank 0.000 09:26  
 Control Test 0.049 09:27  
 Air Blank 0.000 09:27  
 Control Test Status  
 Average 0.0483  
 Std Dev 0.0006  
 Rel Std Dev(%) 1.1945

*Bill*  
 Operator's Signature

PALM BEACH CO SO  
 Intoxilizer - Alcohol Analyzer  
 Model 8100 SN 80-001741  
 02/15/2016  
 Software: 8100.27

Test 9/21/0 Time

Air Blank 0.000 09:29  
 Control Test 0.077 09:29  
 Air Blank 0.000 09:30  
 Control Test 0.078 09:30  
 Air Blank 0.000 09:31  
 Control Test 0.078 09:32  
 Air Blank 0.000 09:32  
 Control Test Status  
 Average 0.0777  
 Std Dev 0.0006  
 Rel Std Dev(%) 0.7434

*Bill*  
 Operator's Signature

PALM BEACH CO SO  
 Intoxilizer - Alcohol Analyzer  
 Model 8100 SN 80-001741  
 02/15/2016  
 Software: 8100.27

Test 9/21/0 Time

Air Blank 0.000 09:34  
 Control Test 0.198 09:34  
 Air Blank 0.000 09:35  
 Control Test 0.199 09:35  
 Air Blank 0.000 09:36  
 Control Test 0.199 09:36  
 Air Blank 0.000 09:37  
 Control Test Status  
 Average 0.1987  
 Std Dev 0.0006  
 Rel Std Dev(%) 0.2906

*Bill*  
 Operator's Signature

PALM BEACH CO SO  
 Intoxilizer - Alcohol Analyzer  
 Model 8100 SN 80-001741  
 02/15/2016  
 Software: 8100.27

Test 9/21/0 Time

Air Blank 0.000 09:39  
 Control Test 0.080 09:39  
 Air Blank 0.000 09:40  
 Control Test 0.081 09:40  
 Air Blank 0.000 09:41  
 Control Test 0.080 09:41  
 Air Blank 0.000 09:41  
 Control Test Status  
 Average 0.0803  
 Std Dev 0.0006  
 Rel Std Dev(%) 0.7187


*Bill*  
 Operator's Signature

<b>TYPE OF TEST</b>	<b>SERIAL NUMBER</b>	<b>AGENCY</b>	<b>DATE</b>	<b>PERFORMED BY</b>
Post Stabilities	80-001741	Palm Beach County Sheriff's Office	02/16/2016	

<b>0.05g/210L</b>	<b>0.08g/210L</b>	<b>0.20g/210L</b>	<b>DGS 0.08g/210L</b>
0.047 to 0.053 <input checked="" type="checkbox"/>	0.077 to 0.083 <input checked="" type="checkbox"/>	0.194 to 0.206 <input checked="" type="checkbox"/>	0.077 to 0.083 <input checked="" type="checkbox"/>

PALM BEACH CO SF  
Intoxilyzer - Alcotest Analyzer  
Model: 8000 SN 80-001741  
02/16/2016  
Software: 6100.27

Test	g/210L	Time
Alr Blank	0.000	09:26
Control Test	0.050	09:27
Alr Blank	0.000	09:27
Control Test	0.050	09:28
Alr Blank	0.000	09:28
Control Test	0.050	09:29
Alr Blank	0.000	09:30
Control Test Status		
Average	0.0500	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

  
Operator's Signature


PALM BEACH CO SF  
Intoxilyzer - Alcotest Analyzer  
Model: 8000 SN 80-001741  
02/16/2016  
Software: 6100.27

Test	g/210L	Time
Alr Blank	0.079	09:32
Control Test	0.079	09:33
Alr Blank	0.000	09:33
Control Test	0.079	09:34
Alr Blank	0.000	09:34
Control Test	0.079	09:35
Alr Blank	0.000	09:36
Control Test Status		
Average	0.0790	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

  
Operator's Signature


PALM BEACH CO SF  
Intoxilyzer - Alcotest Analyzer  
Model: 8000 SN 80-001741  
02/16/2016  
Software: 6100.27

Test	g/210L	Time
Alr Blank	0.000	09:38
Control Test	0.199	09:39
Alr Blank	0.000	09:39
Control Test	0.200	09:40
Alr Blank	0.000	09:41
Control Test	0.200	09:41
Alr Blank	0.000	09:42
Control Test Status		
Average	0.1997	
Std Dev	0.0006	
Rel Std Dev(%)	0.2892	

  
Operator's Signature

PALM BEACH CO SF  
Intoxilyzer - Alcotest Analyzer  
Model: 8000 SN 80-001741  
02/16/2016  
Software: 6100.27

Test	g/210L	Time
Alr Blank	0.000	09:46
Control Test	0.080	09:47
Alr Blank	0.000	09:47
Control Test	0.080	09:47
Alr Blank	0.000	09:48
Control Test	0.080	09:48
Alr Blank	0.000	09:49
Control Test Status		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

  
Operator's Signature

YBK

ANALYZER - Alcon Analyzer  
 Model: 8000  
 12/16/2016 08:22:16

Auto Calibration  
 Max Power Res Value = 56  
 Max Range Res Value = 34

SOI Value = 0.000 g/210L \*\*\*  
 Fit Value = 0.000 mg/L \*\*\*\*  
 Samples Taken = 4, Discarded = 1  
 Run To = 12787, Run To = 12782

\*\*\*\*\* CHANNEL 1 \*\*\*\*\*

Sample #1 = 0.0970 (% RDS Ref)  
 Sample #2 = 0.0910 (-0.0220)  
 Sample #3 = 0.0780 (-0.0440)  
 Sample #4 = 0.0930 (-0.0340)

Req % RDS = 0.0837 (-0.0253)  
 STD DEV = 0.0081 (-0.0242)  
 REL STD DEV = 9.734 (55.501)

SOI Value = 0.000 g/210L \*\*\*  
 Fit Value = 0.000 mg/L \*\*\*\*  
 Samples Taken = 4, Discarded = 1  
 Run To = 12779, Run To = 12699

\*\*\*\*\* CHANNEL 1 \*\*\*\*\*

Sample #1 = 0.0940 (% RDS Ref)  
 Sample #2 = 0.0920 (-0.0120)  
 Sample #3 = 0.0650 (-0.0010)  
 Sample #4 = 0.1050 (-0.0560)

Req % RDS = 0.0887 (-0.0073)  
 STD DEV = 0.0182 (-0.0091)  
 REL STD DEV = 21.560 (123.733)

SOI Value = 0.345 g/210L \*\*\*  
 Fit Value = 0.1905 mg/L \*\*\*\*  
 Samples Taken = 4, Discarded = 1  
 Run To = 12779, Run To = 12699

\*\*\*\*\* CHANNEL 1 \*\*\*\*\*

Sample #1 = 0.0460 (% RDS Ref)  
 Sample #2 = 0.0090 (-0.0200)  
 Sample #3 = 0.0090 (-0.0200)  
 Sample #4 = 0.0100 (-0.0600)

Req % RDS = 0.0093 (-0.0360)  
 STD DEV = 0.0006 (-0.0212)  
 REL STD DEV = 0.071 (58.794)

\*\*\*\*\* CHANNEL 1 \*\*\*\*\*

Sample #1 = 1.5150 (% RDS Ref)  
 Sample #2 = 1.5150 (-0.0110)  
 Sample #3 = 1.4870 (-0.0010)  
 Sample #4 = 1.4960 (-0.0150)

Req % RDS = 1.4993 (-0.0017)  
 STD DEV = 0.0143 (-0.0130)  
 REL STD DEV = 0.953 (780.769)

SOI Value = 0.100 g/210L \*\*\*  
 Fit Value = 0.4762 mg/L \*\*\*\*  
 Samples Taken = 4, Discarded = 1  
 Run To = 12757, Run To = 12693

\*\*\*\*\* CHANNEL 1 \*\*\*\*\*

Sample #1 = 1.9160 (% RDS Ref)  
 Sample #2 = 1.9510 (-0.0200)  
 Sample #3 = 1.9320 (-0.0090)  
 Sample #4 = 1.9030 (-0.0250)

Req % RDS = 1.9287 (-0.0013)  
 STD DEV = 0.0242 (-0.0235)  
 REL STD DEV = 1.233 (1759.439)

SOI Value = 0.435 g/210L \*\*\*  
 Fit Value = 1.533 mg/L \*\*\*\*  
 Samples Taken = 4, Discarded = 1  
 Run To = 12756, Run To = 12689

\*\*\*\*\* CHANNEL 1 \*\*\*\*\*

Sample #1 = 7.0940 (% RDS Ref)  
 Sample #2 = 7.1240 (-0.0020)  
 Sample #3 = 7.1130 (-0.0130)  
 Sample #4 = 7.0890 (-0.0050)

Req % RDS = 7.1087 (-0.0067)  
 STD DEV = 0.0179 (-0.0057)  
 REL STD DEV = 0.252 (85.294)

\*\*\*\*\* CHANNEL 2 \*\*\*\*\*

Sample #1 = 3.5900 (% RDS Ref)  
 Sample #2 = 3.5200 (-0.0210)  
 Sample #3 = 3.5900 (-0.0040)  
 Sample #4 = 3.6150 (-0.0020)

Req % RDS = 3.6137 (-0.0097)  
 STD DEV = 0.0150 (-0.0099)  
 REL STD DEV = 0.416 (113.936)

SOI Value = 0.230 g/210L \*\*\*  
 Fit Value = 0.9524 mg/L \*\*\*\*  
 Samples Taken = 4, Discarded = 1  
 Run To = 12754, Run To = 12653

\*\*\*\*\* CHANNEL 1 \*\*\*\*\*

Sample #1 = 3.7110 (% RDS Ref)  
 Sample #2 = 3.7140 (-0.0150)  
 Sample #3 = 3.7260 (-0.0340)  
 Sample #4 = 3.7460 (-0.0220)

Req % RDS = 3.7287 (-0.0237)  
 STD DEV = 0.0162 (-0.0096)  
 REL STD DEV = 0.438 (40.602)

\*\*\*\*\* CHANNEL 2 \*\*\*\*\*

Sample #1 = 6.9800 (% RDS Ref)  
 Sample #2 = 6.9540 (-0.0180)  
 Sample #3 = 6.9830 (-0.0120)  
 Sample #4 = 6.9800 (-0.0150)

Req % RDS = 6.9723 (-0.0150)  
 STD DEV = 0.0159 (-0.0030)  
 REL STD DEV = 0.229 (28.000)

\*\*\*\*\* CHANNEL 1 \*\*\*\*\*

SOI Val = 0.000 mg/L or 0.000 g/210L  
 % RDS = 1.084  
 Std Dev = 1.01 Rel Std Dev = 3.73  
 SOI Val = 0.1905 mg/L or 0.040 g/210L  
 % RDS = 0.809  
 Std Dev = 0.070 Rel Std Dev = 0.07  
 SOI Val = 0.4762 mg/L or 0.100 g/210L  
 % RDS = 1.929  
 Std Dev = 0.02 Rel Std Dev = 1.25  
 SOI Val = 0.9524 mg/L or 0.200 g/210L  
 % RDS = 3.729  
 Std Dev = 0.02 Rel Std Dev = 0.43  
 SOI Val = 1.9048 mg/L or 0.400 g/210L  
 % RDS = 7.109  
 Std Dev = 0.02 Rel Std Dev = 0.25  
 Zero Order Coef = -177.94  
 First Order Coef = 2591.72  
 Second Order Coef = 28.43  
 Standard Deviation = 27.925714

\*\*\*\*\* CHANNEL 2 \*\*\*\*\*

SOI Val = 0.3900 mg/L or 0.000 g/210L  
 % RDS = 0.389  
 Std Dev = 0.02 Rel Std Dev = 21.56  
 SOI Val = 0.1905 mg/L or 0.040 g/210L  
 % RDS = 1.499  
 Std Dev = 0.01 Rel Std Dev = 0.95  
 SOI Val = 0.4762 mg/L or 0.100 g/210L  
 % RDS = 3.514  
 Std Dev = 0.02 Rel Std Dev = 0.42  
 SOI Val = 0.9524 mg/L or 0.200 g/210L  
 % RDS = 5.912  
 Std Dev = 0.02 Rel Std Dev = 0.23  
 SOI Val = 1.9048 mg/L or 0.400 g/210L  
 % RDS = 13.073  
 Std Dev = 0.03 Rel Std Dev = 0.20  
 Zero Order Coef = -87.60  
 First Order Coef = 1289.24  
 Second Order Coef = 13.31  
 Standard Deviation = 25.042782

\*\*\*\*\* CHANNEL 1 \*\*\*\*\*

SOI Value = 0.280 g/210L \*\*\*  
 Fit Value = 0.3810 mg/L \*\*\*\*  
 Samples Taken = 4, Discarded = 1

\*\*\*\*\* CHANNEL 1 \*\*\*\*\*

Sample #1 = 2.2130  
 Sample #2 = 3.1860  
 Sample #3 = 3.0220  
 Sample #4 = 3.0220

Average Result = 3223.3333  
 STD DEV = 68.1567  
 REL STD DEV = 2.114

\*\*\*\*\* CHANNEL 2 \*\*\*\*\*

Sample #1 = 3.4230  
 Sample #2 = 3.4390  
 Sample #3 = 3.4620  
 Sample #4 = 3.4960

Average Result = 3465.6667  
 STD DEV = 28.6764  
 REL STD DEV = 0.827

\*\*\*\*\* CHANNEL 1 \*\*\*\*\*

SOI Value = 0.380 g/210L \*\*\*  
 Fit Value = 0.3810 mg/L \*\*\*\*  
 Samples Taken = 4, Discarded = 1

\*\*\*\*\* CHANNEL 1 \*\*\*\*\*

Sample #1 = 2.2130  
 Sample #2 = 3.1860  
 Sample #3 = 3.0220  
 Sample #4 = 3.0220

Average Result = 3223.3333  
 STD DEV = 68.1567  
 REL STD DEV = 2.114

\*\*\*\*\* CHANNEL 2 \*\*\*\*\*

Sample #1 = 3.4230  
 Sample #2 = 3.4390  
 Sample #3 = 3.4620  
 Sample #4 = 3.4960

Average Result = 3465.6667  
 STD DEV = 28.6764  
 REL STD DEV = 0.827

Optical Calibration		
SN: 80-001741		
Agency: Palm Beach County		
Date: 02/16/2016		
Quadratic Fit: +/-0.002g/210L		
By: <i>Bill</i>		

Solution Stats Quadratic Fit Chan 1:			
Act	Fit	Residual	
0.000	0.000	-0.0000	
0.009	0.009	-0.0007	
0.040	0.039	0.0008	
0.100	0.100	0.0002	
0.200	0.200	-0.0005	
0.400	0.400	0.0001	

Solution Stats Quadratic Fit Chan 2:			
Act	Fit	Residual	
0.000	0.001	-0.0005	
0.009	0.009	0.0005	
0.040	0.039	0.0005	
0.100	0.100	0.0004	
0.200	0.201	-0.0005	
0.400	0.400	0.0001	

Solution Stats Quadratic Fit Chan 1:			
Act	Fit	Residual	
0.000	0.000	-0.0000	
0.009	0.009	-0.0007	
0.040	0.039	0.0008	
0.100	0.100	0.0002	
0.200	0.200	-0.0005	
0.400	0.400	0.0001	

Solution Stats Quadratic Fit Chan 2:			
Act	Fit	Residual	
0.000	0.001	-0.0005	
0.009	0.009	0.0005	
0.040	0.039	0.0005	
0.100	0.100	0.0004	
0.200	0.201	-0.0005	
0.400	0.400	0.0001	

*Bill*