



Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Port St. Lucie PD S/N 80-001323

Date In 10/3/16 Date Out 10/1/16 Ship P/U H/D CMI EE

Intake Performed By <u>DS</u> <input type="checkbox"/> Registration <input checked="" type="checkbox"/> Annual <input type="checkbox"/> Return from CMI <input type="checkbox"/> Return from Enforcement Electronics <input type="checkbox"/> Other _____ Visual Inspection: <u>OK</u> Case <u>OK</u> Handle <u>OK</u> Dry Gas Holder <u>OK</u> Feet <u>OK</u> Keyboard/Plug <u>OK</u> Back/Plugs <u>OK</u> Screws tight <u>OK</u> Breath Hose Other Equipment: <input type="checkbox"/> Power cord <input type="checkbox"/> Printer Cable <input checked="" type="checkbox"/> Other <u>Static Bag</u> Notes: _____ _____ _____	Quality Checks Performed By <u>SP</u> <input checked="" type="checkbox"/> Breath Tube Screen <input checked="" type="checkbox"/> Replace O-Rings <input checked="" type="checkbox"/> Instrument Set Up Verified <input checked="" type="checkbox"/> R-Value <u>138</u> <input checked="" type="checkbox"/> Flow Verification (L/s) Flow Column # <u>ATP102</u> 32mm <u>.144</u> (.139 - .169) 36mm <u>.160</u> (.156 - .190) 53mm <u>.234</u> (.228 - .278) 103mm <u>.496</u> (.447 - .547) <input checked="" type="checkbox"/> Barometric Pressure Check Gauge ID # <u>28427</u> <input checked="" type="checkbox"/> Stability Checks <table border="1"> <thead> <tr> <th>Simulator</th> <th>Serial #</th> <th>Lot #/Exp</th> </tr> </thead> <tbody> <tr> <td>0.05</td> <td>SD1018</td> <td>201507A 7-14-17</td> </tr> <tr> <td>0.08</td> <td>SD1011</td> <td>201601F 1-26-18</td> </tr> <tr> <td>0.20</td> <td>SD1025</td> <td>201604C 4-5-18</td> </tr> <tr> <td>0.08 DGS</td> <td>N/A</td> <td>AG612405 5-3-18</td> </tr> </tbody> </table>	Simulator	Serial #	Lot #/Exp	0.05	SD1018	201507A 7-14-17	0.08	SD1011	201601F 1-26-18	0.20	SD1025	201604C 4-5-18	0.08 DGS	N/A	AG612405 5-3-18	Flow Calibration Performed By _____ <input checked="" type="checkbox"/> Flow Calibration N/A <input type="checkbox"/> Flow Calibration Complete Flow Column # <u>OCT 10 2016</u> <input type="checkbox"/> 5L/min - 17mm <input type="checkbox"/> 15L/min - 53mm <input type="checkbox"/> 30L/min - 103mm <input type="checkbox"/> R-Value _____ <input type="checkbox"/> Post Calibration Verification (_____) Flow Column # _____ 32mm _____ (.139 - .169) 36mm _____ (.156 - .190) 53mm _____ (.228 - .278) 103mm _____ (.447 - .547)
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Maintenance Performed By _____ <input type="checkbox"/> Battery Replacement <input type="checkbox"/> Dry Gas Regulator Replacement <input type="checkbox"/> Breath Tube Replacement <input type="checkbox"/> Other _____																	
Suggested Service _____ _____ _____																	

RECEIVED
OCT 10 2016
FDLE
Alcohol Testing Program

Optical Bench Calibration Performed By <u>SP</u> <input type="checkbox"/> Optical Bench Calibration N/A <input checked="" type="checkbox"/> Optical Bench Calibration Complete Barometric Pressure Gauge <u>1008</u> ID# <u>26932</u> <table border="1"> <thead> <tr> <th>Simulator</th> <th>Serial Number</th> <th>Lot Number</th> <th>Expiration</th> </tr> </thead> <tbody> <tr> <td>0.000</td> <td>G4444</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>0.040</td> <td>G2882</td> <td>16101</td> <td>2-2-18</td> </tr> <tr> <td>0.100</td> <td>G8078</td> <td>16001</td> <td>5-8-18</td> </tr> <tr> <td>0.200</td> <td>G2408</td> <td>16103</td> <td>6-14-18</td> </tr> <tr> <td>0.400</td> <td>G5358</td> <td>16102</td> <td>3-22-18</td> </tr> <tr> <td>0.080 DGS</td> <td>N/A</td> <td>03415080A1</td> <td>3-5-17</td> </tr> </tbody> </table> <input checked="" type="checkbox"/> Post Calibration Stability Checks <table border="1"> <thead> <tr> <th>Simulator</th> <th>Serial Number</th> <th>Lot Number</th> <th>Expiration</th> </tr> </thead> <tbody> <tr> <td>0.05</td> <td>SD1018</td> <td>201507A</td> <td>7-14-17</td> </tr> <tr> <td>0.08</td> <td>SD1011</td> <td>201601F</td> <td>1-26-18</td> </tr> <tr> <td>0.20</td> <td>SD1025</td> <td>201604C</td> <td>4-5-18</td> </tr> <tr> <td>0.08 DGS</td> <td>N/A</td> <td>AG619605</td> <td>7-14-18</td> </tr> </tbody> </table>	Simulator	Serial Number	Lot Number	Expiration	0.000	G4444	N/A	N/A	0.040	G2882	16101	2-2-18	0.100	G8078	16001	5-8-18	0.200	G2408	16103	6-14-18	0.400	G5358	16102	3-22-18	0.080 DGS	N/A	03415080A1	3-5-17	Simulator	Serial Number	Lot Number	Expiration	0.05	SD1018	201507A	7-14-17	0.08	SD1011	201601F	1-26-18	0.20	SD1025	201604C	4-5-18	0.08 DGS	N/A	AG619605	7-14-18	Department Inspection Performed By <u>SP</u> <input checked="" type="checkbox"/> Barometric Pressure <u>1009</u> Gauge ID# <u>28427</u> <u>1007</u> Instrument Mouth Alcohol Solution Lot # <u>2015-A</u> Acetone Stock Solution Lot # <u>2016-B</u> <table border="1"> <thead> <tr> <th>Simulator</th> <th>Serial Number</th> </tr> </thead> <tbody> <tr> <td>0.00</td> <td>SD1019</td> </tr> <tr> <td>Interferent</td> <td>SD1021</td> </tr> <tr> <td>0.05</td> <td>SD1018</td> </tr> <tr> <td>0.08</td> <td>SD1011</td> </tr> <tr> <td>0.20</td> <td>SD1025</td> </tr> </tbody> </table>	Simulator	Serial Number	0.00	SD1019	Interferent	SD1021	0.05	SD1018	0.08	SD1011	0.20	SD1025
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Attachments <input checked="" type="checkbox"/> Form 41 <input checked="" type="checkbox"/> Pre-Stability Tests <input type="checkbox"/> Flow Calibration <input checked="" type="checkbox"/> Optical Bench Cal <input checked="" type="checkbox"/> Post-Stability Tests <input type="checkbox"/> Other _____																																																													

Notes: PERFORMED OPTICAL BENCH CAL TO BRING VALUES CLOSER TO NOMINALS
AC: DS

 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 Hankland

Quality Control Review

10/10/16

Date

STABILITY CHECKS

INSTRUMENT # 80-001323 - PORT ST. LUCIE PD - 10/6/16 SP

AK

Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-001323
 10/06/2016
 Software: 8100.27

Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-001323
 10/06/2016
 Software: 8100.27

Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-001323
 10/06/2016
 Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:05
Control Test	0.050	11:06
Air Blank	0.000	11:06
Control Test	0.051	11:07
Air Blank	0.000	11:07
Control Test	0.050	11:08
Air Blank	0.000	11:09
Control Test Stats		
Average	0.0503	
Std Dev	0.0006	
Rel Std Dev(%)	1.1471	

Test	g/210L	Time
Air Blank	0.000	11:12
Control Test	0.079	11:13
Air Blank	0.000	11:13
Control Test	0.080	11:14
Air Blank	0.000	11:14
Control Test	0.080	11:15
Air Blank	0.000	11:16
Control Test Stats		
Average	0.0797	
Std Dev	0.0006	
Rel Std Dev(%)	0.7247	

Test	g/210L	Time
Air Blank	0.000	11:17
Control Test	0.191	11:17
Air Blank	0.000	11:18
Control Test	0.194	11:19
Air Blank	0.000	11:19
Control Test	0.195	11:20
Air Blank	0.000	11:20
Control Test Stats		
Average	0.1933	
Std Dev	0.0021	
Rel Std Dev(%)	1.0767	

SP

Operator's Signature

SP

Operator's Signature

SP

Operator's Signature

Suspected Sim Issue
 RERAN to CONFIRM SP.

PORT ST
 Intoxilyzer
 Model 8000 SN 80-001323
 10/06/2016
 Software: 8100.27

PORT ST LUCIE PD
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-001323
 10/06/2016
 Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:21
Control Test	0.193	11:22
Air Blank	0.000	11:22
Control Test	0.192	11:23
Air Blank	0.000	11:24
Control Test	0.193	11:24
Air Blank	0.000	11:25
Control Test Stats		
Average	0.1927	
Std Dev	0.0006	
Rel Std Dev(%)	0.2997	

Test	g/210L	Time
Air Blank	0.000	11:26
Control Test	0.078	11:26
Air Blank	0.000	11:27
Control Test	0.078	11:27
Air Blank	0.000	11:28
Control Test	0.078	11:28
Air Blank	0.000	11:29
Control Test Stats		
Average	0.0780	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

SP

Operator's Signature

SP

Operator's Signature

OPTICAL BENCH CALIBRATION - INSTRUMENT # 80-001323 - PORT ST. LUCIE PD

10/7/16 SP

PORT ST LUCIE PD
 Intoxilyzer - Alconol Analyzer
 Model 8000
 SN 80-001323
 09:05:36

Auto Calibration
 Max Power Res Value = 45
 Auto Range Res Value = 24

 <<<<< CHANNEL 2 >>>>>
 Sample % Abs (% Abs Ref)
 Sample #1 = 1.4950 (-0.0130)
 Sample #2 = 1.4840 (0.0030)
 Sample #3 = 1.5030 (0.0060)
 Sample #4 = 1.5030 (0.0010)
 Avg % Abs = 1.4967 (0.0033)
 STD DEV = 0.0110 (0.0025)
 REL STD DEV = 0.733 (75.498)

 Sol Value = 0.100 g/210L ***
 Fit value = 0.4762 mg/l %
 Samples Taken = 4, Discarded = 1
 Sum Io = 12809, 9um Io = 13418

 <<<<< CHANNEL 1 >>>>>
 Sample % Abs (% Abs Ref)
 Sample #1 = 1.9170 (-0.0160)
 Sample #2 = 1.8790 (0.0100)
 Sample #3 = 1.8870 (0.0410)
 Sample #4 = 1.8850 (0.0550)
 Avg % Abs = 1.8837 (0.0353)
 STD DEV = 0.0042 (0.0230)
 REL STD DEV = 0.221 (65.176)

 <<<<< CHANNEL 2 >>>>>
 Sample % Abs (% Abs Ref)
 Sample #1 = 3.5720 (-0.0030)
 Sample #2 = 3.5660 (0.0030)
 Sample #3 = 3.5750 (0.0140)
 Sample #4 = 3.5770 (0.0140)
 Avg % Abs = 3.5727 (0.0103)
 STD DEV = 0.0059 (0.0064)
 REL STD DEV = 0.164 (61.460)

 Sol Value = 0.200 g/210L ***
 Fit value = 0.9524 mg/l %
 Samples Taken = 4, Discarded = 1
 Sum Io = 12800, 9um Io = 13413

 <<<<< CHANNEL 1 >>>>>
 Sample % Abs (% Abs Ref)
 Sample #1 = 3.6730 (-0.0170)
 Sample #2 = 3.6540 (0.0100)
 Sample #3 = 3.6590 (0.0270)
 Sample #4 = 3.6690 (0.0340)
 Avg % Abs = 3.6540 (0.0237)
 STD DEV = 0.0150 (0.0123)
 REL STD DEV = 0.411 (62.151)

 <<<<< CHANNEL 2 >>>>>
 Sample % Abs (% Abs Ref)
 Sample #1 = 0.1250 (-0.0090)
 Sample #2 = 0.1240 (0.0020)
 Sample #3 = 0.1170 (0.0260)
 Sample #4 = 0.1220 (0.0360)
 Avg % Abs = 0.1210 (0.0213)
 STD DEV = 0.0036 (0.0175)
 REL STD DEV = 2.980 (81.908)

 Sol Value = 0.040 g/210L ***
 Fit value = 0.1905 mg/l %
 Samples Taken = 4, Discarded = 1
 Sum Io = 12819, 9um Io = 13422

 <<<<< CHANNEL 1 >>>>>
 Sample % Abs (% Abs Ref)
 Sample #1 = 0.8340 (-0.0160)
 Sample #2 = 0.8250 (0.0010)
 Sample #3 = 0.8130 (0.0370)
 Sample #4 = 0.8180 (0.0470)
 Avg % Abs = 0.8187 (0.0283)
 STD DEV = 0.0060 (0.0242)
 REL STD DEV = 0.736 (85.389)

 ***** AUTO CAL DATA *****
 <<<<< CHANNEL 1 >>>>>
 Sol Val = 0.0000 mg/l or 0.000 g/210L
 % Abs = 0.131
 Std Dev = 0.01 Rel Std Dev = 9.26
 Sol Val = 0.1905 mg/l or 0.040 g/210L
 % Abs = 0.819
 Std Dev = 0.01 Rel Std Dev = 0.74
 Sol Val = 0.4762 mg/l or 0.100 g/210L
 % Abs = 1.884
 Std Dev = 0.00 Rel Std Dev = 0.22
 Sol Val = 0.9524 mg/l or 0.200 g/210L
 % Abs = 3.654
 Std Dev = 0.02 Rel Std Dev = 0.41
 Sol Val = 1.9048 mg/l or 0.400 g/210L
 % Abs = 6.929
 Std Dev = 0.01 Rel Std Dev = 0.16
 Zero Order Coef = -289.14
 First Order Coef = 2662.79
 Second Order Coef = 26.90
 Standard Deviation = 52.231396

 <<<<< CHANNEL 2 >>>>>
 Sol Val = 0.0000 mg/l or 0.000 g/210L
 % Abs = 0.121
 Std Dev = 0.00 Rel Std Dev = 2.98
 Sol Val = 0.1905 mg/l or 0.040 g/210L
 % Abs = 1.497
 Std Dev = 0.01 Rel Std Dev = 0.73
 Sol Val = 0.4762 mg/l or 0.100 g/210L
 % Abs = 3.573
 Std Dev = 0.01 Rel Std Dev = 0.16
 Sol Val = 0.9524 mg/l or 0.200 g/210L
 % Abs = 6.935
 Std Dev = 0.01 Rel Std Dev = 0.11
 Sol Val = 1.9048 mg/l or 0.400 g/210L
 % Abs = 12.914
 Std Dev = 0.03 Rel Std Dev = 0.22
 Zero Order Coef = -110.20
 First Order Coef = 1298.24
 Second Order Coef = 14.27
 Standard Deviation = 49.494408

 <<<<< CHANNEL 1 >>>>>
 Sol Value = 0.400 g/210L ***
 Fit value = 1.9048 mg/l %
 Samples Taken = 4, Discarded = 1
 Sum Io = 12793, 9um Io = 13412

 <<<<< CHANNEL 2 >>>>>
 Sol Val = 0.0000 mg/l or 0.000 g/210L
 % Abs = 0.121
 Std Dev = 0.00 Rel Std Dev = 2.98
 Sol Val = 0.1905 mg/l or 0.040 g/210L
 % Abs = 1.497
 Std Dev = 0.01 Rel Std Dev = 0.73
 Sol Val = 0.4762 mg/l or 0.100 g/210L
 % Abs = 3.573
 Std Dev = 0.01 Rel Std Dev = 0.16
 Sol Val = 0.9524 mg/l or 0.200 g/210L
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 Std Dev = 0.01 Rel Std Dev = 0.11
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 % Abs = 12.914
 Std Dev = 0.03 Rel Std Dev = 0.22
 Zero Order Coef = -110.20
 First Order Coef = 1298.24
 Second Order Coef = 14.27
 Standard Deviation = 49.494408

 <<<<< CHANNEL 1 >>>>>
 Sol Value = 0.100 g/210L ***
 Fit value = 0.4762 mg/l %
 Samples Taken = 4, Discarded = 1
 Sum Io = 12809, 9um Io = 13418

 <<<<< CHANNEL 2 >>>>>
 Sol Value = 0.200 g/210L ***
 Fit value = 0.9524 mg/l %
 Samples Taken = 4, Discarded = 1
 Sum Io = 12800, 9um Io = 13413

Solution Stats Quadratic Fit Chan 1

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.001	-0.0011
0.040	0.039	0.0009
0.100	0.099	0.0011
0.200	0.201	-0.0012
0.400	0.400	0.0002

Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.001	-0.0010
0.040	0.039	0.0008
0.100	0.099	0.0011
0.200	0.201	-0.0012
0.400	0.400	0.0003

Sol Value = 0.060 g/210L ***
 Fit value = 0.3810 mg/l %
 Samples Taken = 4, Discarded = 1
 ***** CHANNEL 1 *****
 Sample #1 = 3108.00
 Sample #2 = 3134.00
 Sample #3 = 3126.00
 Sample #4 = 3182.00
 Average Result = 3147.3333
 STD DEV = 30.2875
 REL STD DEV = 0.962

***** CHANNEL 2 *****
 Sample #1 = 3381.00
 Sample #2 = 3413.00
 Sample #3 = 3394.00
 Sample #4 = 3414.00
 Average Result = 3407.0000
 STD DEV = 11.2694
 REL STD DEV = 0.331

 Dry Gas H2O Adjust Results *****
 Barometric Pressure = 1007
 3 um H2O Adjust (mg/l*10,000) = 662
 9 um H2O Adjust (mg/l*10,000) = 402
 **** AUTO CAL PASS

RDS
 BLC

POST CALIBRATION STABILITY CHECKS - INSTRUMENT # 80-001323 - PORT ST. LUCIE PD 10/7/16 SP

PORT ST LUCIE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001323
10/07/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:43
Control Test	0.079	09:43
Air Blank	0.000	09:43
Control Test	0.080	09:44
Air Blank	0.000	09:44
Control Test	0.080	09:45
Air Blank	0.000	09:45
Control Test Stats		
Average	0.0797	
Std Dev	0.0006	
Rel Std Dev(%)	0.7247	

DGS

SP

Operator's Signature

PORT ST LUCIE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001323
10/07/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:46
Control Test	0.050	09:47
Air Blank	0.000	09:47
Control Test	0.050	09:48
Air Blank	0.000	09:48
Control Test	0.050	09:49
Air Blank	0.000	09:50
Control Test Stats		
Average	0.0500	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

SP

Operator's Signature

PORT ST LUCIE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001323
10/07/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:50
Control Test	0.081	09:51
Air Blank	0.000	09:52
Control Test	0.080	09:52
Air Blank	0.000	09:53
Control Test	0.081	09:54
Air Blank	0.000	09:54
Control Test Stats		
Average	0.0807	
Std Dev	0.0006	
Rel Std Dev(%)	0.7157	

SP

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PORT ST LUCIE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001323
10/07/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:55
Control Test	0.198	09:56
Air Blank	0.000	09:56
Control Test	0.198	09:57
Air Blank	0.000	09:57
Control Test	0.199	09:58
Air Blank	0.000	09:59
Control Test Stats		
Average	0.1983	
Std Dev	0.0006	
Rel Std Dev(%)	0.2911	

BK

SP

Operator's Signature

DGS