



Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Port St. Lucie PD

S/N 80-001962

Date In 10/3/16

Date Out 10/7/16

Ship P/U H/D CMI EE

Intake Performed By <u>SP</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 type="checkbox"/> Other _____ 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>2.08</u> <input checked="" type="checkbox"/> Flow Verification (L/s) Flow Column # <u>ATP102</u> 32mm <u>0.144</u> (.139 - .169) 36mm <u>0.160</u> (.156 - .190) 53mm <u>0.230</u> (.228 - .278) 103mm <u>0.501</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 # _____ <input type="checkbox"/> 5L/min - 53mm <input type="checkbox"/> 15L/min - 53mm <input type="checkbox"/> 30L/min - 103mm <input type="checkbox"/> R-Value _____ <input type="checkbox"/> Post Calibration Verification (L/s) 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>G2078</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	G2078	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 checked="" type="checkbox"/> Other <u>FORM 40</u>																																																																			

Notes: PERFORMED OPTICAL BENCH CAL TO BRING VALUES CLOSER TO NOMINAL
DC-SDS

 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

10/10/16

Date

STABILITY CHECKS - INSTRUMENT # 80-001962 - PORT ST. LUCIE PD - 10/14/16 GP

PORT ST LUCIE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001962
10/06/2016
Software: 8100.27

Test	9/210L	Time
Air Blank	0.000	11:15
Control Test	0.053	11:16
Air Blank	0.000	11:16
Control Test	0.053	11:17
Air Blank	0.000	11:18
Control Test	0.053	11:18
Air Blank	0.000	11:19
Control Test Stats		
Average	0.0530	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

GP

Operator's Signature

PORT ST LUCIE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001962
10/06/2016
Software: 8100.27

Test	9/210L	Time
Air Blank	0.000	11:20
Control Test	0.083	11:20
Air Blank	0.000	11:21
Control Test	0.083	11:22
Air Blank	0.000	11:22
Control Test	0.083	11:23
Air Blank	0.000	11:23
Control Test Stats		
Average	0.0830	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

GP

Operator's Signature

PORT ST LUCIE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001962
10/06/2016
Software: 8100.27

Test	9/210L	Time
Air Blank	0.000	11:28
Control Test	0.202	11:28
Air Blank	0.000	11:29
Control Test	0.202	11:29
Air Blank	0.000	11:30
Control Test	0.201	11:31
Air Blank	0.000	11:31
Control Test Stats		
Average	0.2017	
Std Dev	0.0006	
Rel Std Dev(%)	0.2863	

GP

Operator's Signature

PORT ST LUCIE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001962
10/06/2016
Software: 8100.27

Test	9/210L	Time
Air Blank	0.000	11:24
Control Test	0.086	11:24
Air Blank	0.000	11:25
Control Test	0.085	11:25
Air Blank	0.000	11:26
Control Test	0.086	11:26
Air Blank	0.000	11:26
Control Test Stats		
Average	0.0857	
Std Dev	0.0006	
Rel Std Dev(%)	0.6740	

DGS

GP

Operator's Signature

GP GK

OPTICAL BENCH CALIBRATION - INSTRUMENT # 80-001962 - PORT ST. MUCIE PD - 107114 SP

Solution Stats Quadratic Fit Chan 1

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.001	-0.0013
0.040	0.038	0.0015
0.100	0.100	0.0003
0.200	0.201	-0.0008
0.400	0.400	0.0002

**** AUTO CAL DATA ****
 <<<<< CHANNEL 1 >>>>>
 Sol Val = 0.0000 mg/l or 0.000 g/210L
 % Abs = 0.314
 Std Dev = 0.01 Rel Std Dev = 3.38
 Sol Val = 0.1905 mg/l or 0.040 g/210L
 % Abs = 0.958
 Std Dev = 0.03 Rel Std Dev = 3.40
 Sol Val = 0.4762 mg/l or 0.100 g/210L
 % Abs = 1.999
 Std Dev = 0.01 Rel Std Dev = 0.50
 Sol Val = 0.9524 mg/l or 0.200 g/210L
 % Abs = 3.672
 Std Dev = 0.02 Rel Std Dev = 0.61
 Sol Val = 1.9048 mg/l or 0.400 g/210L
 % Abs = 6.811
 Std Dev = 0.01 Rel Std Dev = 0.19
 Zero Order Coef = -794.36
 First Order Coef = 2713.61
 Second Order Coef = 29.12
 Standard Deviation = 52.062216

<<<<< CHANNEL 2 >>>>>
 Sample % Abs (% Abs Ref)
 Sample #1 = 6.6760 (-0.0130)
 Sample #2 = 6.8480 (-0.0130)
 Sample #3 = 6.8830 (-0.0110)
 Sample #4 = 6.9090 (-0.0130)
 Avg % Abs = 6.8800 (0.0037)
 STD DEV = 0.0306 (0.0145)
 REL STD DEV = 0.445 (394.592)

<<<<< CHANNEL 2 >>>>>
 Sample % Abs (% Abs Ref)
 Sample #1 = 1.7310 (-0.0100)
 Sample #2 = 1.8040 (-0.0610)
 Sample #3 = 1.8080 (-0.0570)
 Sample #4 = 1.8420 (-0.0500)
 Avg % Abs = 1.8180 (-0.0560)
 STD DEV = 0.0209 (0.0056)
 REL STD DEV = 1.149 (9.942)

Auto Calibration
 Max Power Res Value = 53
 Auto Range Res Value = 41
 Sol Value = 0.300 g/210L ***
 Fit Value = 0.4762 mg/l ****
 Samples Taken = 4, Discarded = 1
 Sum 10 = 12633, Sum 10 = 13538
 <<<<< CHANNEL 1 >>>>>
 Sample % Abs (% Abs Ref)
 Sample #1 = 1.9990 (-0.0340)
 Sample #2 = 2.0000 (-0.0040)
 Sample #3 = 1.9880 (0.0000)
 Sample #4 = 2.0080 (0.0260)
 Avg % Abs = 1.9987 (0.0073)
 STD DEV = 0.0101 (0.0163)
 REL STD DEV = 0.504 (222.123)

Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.001	-0.0011
0.040	0.039	0.0010
0.100	0.099	0.0010
0.200	0.201	-0.0012
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 = 2372.00
 Sample #2 = 2324.00
 Sample #3 = 2392.00
 Sample #4 = 2487.00
 Average Result = 2401.0000
 STD DEV = 81.8718
 REL STD DEV = 3.410

 ***** CHANNEL 2
 Sample #1 = 2298.00
 Sample #2 = 2275.00
 Sample #3 = 2320.00
 Sample #4 = 2322.00
 Average Result = 2305.6667
 STD DEV = 26.5769
 REL STD DEV = 1.153

 Dry Gas H2O Adjust Results *****
 Barometric Pressure = 1007
 3 um H2O Adjust (mg/l*10.000) = 1408
 9 um H2O Adjust (mg/l*10.000) = 1504
 **** AUTO CAL PASS

<<<<< CHANNEL 2 >>>>>
 Sol Val = 0.400 g/210L ***
 Fit Value = 1.9048 mg/l ****
 Samples Taken = 4, Discarded = 1
 Sum 10 = 12626, Sum 10 = 13537
 <<<<< CHANNEL 1 >>>>>
 Sample % Abs (% Abs Ref)
 Sample #1 = 6.7440 (-0.0120)
 Sample #2 = 6.8000 (0.0030)
 Sample #3 = 6.8250 (0.0020)
 Sample #4 = 6.8000 (0.0030)
 Avg % Abs = 6.8110 (0.0160)
 STD DEV = 0.0128 (0.0234)
 REL STD DEV = 0.187 (146.175)

<<<<< CHANNEL 2 >>>>>
 Sample % Abs (% Abs Ref)
 Sample #1 = 12.3830 (0.0120)
 Sample #2 = 12.4620 (0.0370)
 Sample #3 = 12.5000 (0.0230)
 Sample #4 = 12.4860 (0.0520)
 Avg % Abs = 12.4827 (0.0373)
 STD DEV = 0.0192 (0.0145)
 REL STD DEV = 0.154 (38.847)

<<<<< CHANNEL 2 >>>>>
 Sample % Abs (% Abs Ref)
 Sample #1 = 3.6620 (-0.0170)
 Sample #2 = 3.7290 (-0.0050)
 Sample #3 = 3.7470 (-0.0050)
 Sample #4 = 3.7720 (0.0020)
 Avg % Abs = 3.7493 (-0.0027)
 STD DEV = 0.0216 (0.0040)
 REL STD DEV = 0.576 (151.554)

<<<<< CHANNEL 2 >>>>>
 Sol Val = 0.200 g/210L ***
 Fit Value = 0.9524 mg/l ****
 Samples Taken = 4, Discarded = 1
 Sum 10 = 12628, Sum 10 = 13536
 <<<<< CHANNEL 1 >>>>>
 Sample % Abs (% Abs Ref)
 Sample #1 = 3.5850 (-0.0220)
 Sample #2 = 3.6460 (0.0010)
 Sample #3 = 3.6840 (0.0190)
 Sample #4 = 3.6860 (0.0220)
 Avg % Abs = 3.6720 (0.0140)
 STD DEV = 0.0225 (0.0114)
 REL STD DEV = 0.614 (81.127)

<<<<< CHANNEL 2 >>>>>
 Sol Val = 0.040 g/210L ***
 Fit Value = 0.1905 mg/l ****
 Samples Taken = 4, Discarded = 1
 Sum 10 = 12636, Sum 10 = 13535
 <<<<< CHANNEL 1 >>>>>
 Sample % Abs (% Abs Ref)
 Sample #1 = 0.9120 (-0.0180)
 Sample #2 = 0.9210 (-0.0040)
 Sample #3 = 0.9690 (-0.0200)
 Sample #4 = 0.9930 (-0.0020)
 Avg % Abs = 0.9577 (-0.0087)
 STD DEV = 0.0325 (0.0099)
 REL STD DEV = 3.395 (113.836)

<<<<< CHANNEL 2 >>>>>
 Sol Val = 0.040 g/210L ***
 Fit Value = 0.1905 mg/l ****
 Samples Taken = 4, Discarded = 1
 Sum 10 = 12636, Sum 10 = 13535
 <<<<< CHANNEL 1 >>>>>
 Sample % Abs (% Abs Ref)
 Sample #1 = 0.9120 (-0.0180)
 Sample #2 = 0.9210 (-0.0040)
 Sample #3 = 0.9690 (-0.0200)
 Sample #4 = 0.9930 (-0.0020)
 Avg % Abs = 0.9577 (-0.0087)
 STD DEV = 0.0325 (0.0099)
 REL STD DEV = 3.395 (113.836)

<<<<< CHANNEL 2 >>>>>
 Sol Val = 0.040 g/210L ***
 Fit Value = 0.1905 mg/l ****
 Samples Taken = 4, Discarded = 1
 Sum 10 = 12636, Sum 10 = 13535
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 Sample % Abs (% Abs Ref)
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 Avg % Abs = 0.9577 (-0.0087)
 STD DEV = 0.0325 (0.0099)
 REL STD DEV = 3.395 (113.836)

<<<<< CHANNEL 2 >>>>>
 Sol Val = 0.040 g/210L ***
 Fit Value = 0.1905 mg/l ****
 Samples Taken = 4, Discarded = 1
 Sum 10 = 12636, Sum 10 = 13535
 <<<<< CHANNEL 1 >>>>>
 Sample % Abs (% Abs Ref)
 Sample #1 = 0.9120 (-0.0180)
 Sample #2 = 0.9210 (-0.0040)
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 Sample #4 = 0.9930 (-0.0020)
 Avg % Abs = 0.9577 (-0.0087)
 STD DEV = 0.0325 (0.0099)
 REL STD DEV = 3.395 (113.836)

ASB ASK

POST CALIBRATION STABILITY CHECKS - INSTRUMENT # 80-001962 - PORT ST. LUCIE PD 10/7/16 SP

PORT ST LUCIE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001962
10/07/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:39
Control Test	0.081	09:39
Air Blank	0.000	09:40
Control Test	0.081	09:40
Air Blank	0.000	09:41
Control Test	0.081	09:41
Air Blank	0.000	09:41
Control Test Stats		
Average	0.0810	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

DGS

[Signature]
Operator's Signature

PORT ST LUCIE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001962
10/07/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:43
Control Test	0.050	09:44
Air Blank	0.000	09:44
Control Test	0.052	09:45
Air Blank	0.000	09:45
Control Test	0.051	09:46
Air Blank	0.000	09:47
Control Test Stats		
Average	0.0510	
Std Dev	0.0010	
Rel Std Dev(%)	1.9608	

[Signature]
Operator's Signature

PORT ST LUCIE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001962
10/07/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:48
Control Test	0.079	09:48
Air Blank	0.000	09:49
Control Test	0.081	09:49
Air Blank	0.000	09:50
Control Test	0.082	09:51
Air Blank	0.000	09:51
Control Test Stats		
Average	0.0807	
Std Dev	0.0015	
Rel Std Dev(%)	1.8936	

[Signature]
Operator's Signature

PORT ST LUCIE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001962
10/07/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:52
Control Test	0.196	09:53
Air Blank	0.000	09:53
Control Test	0.198	09:54
Air Blank	0.000	09:55
Control Test	0.198	09:55
Air Blank	0.000	09:56
Control Test Stats		
Average	0.1973	
Std Dev	0.0012	
Rel Std Dev(%)	0.5852	

AK
[Signature]

[Signature]
Operator's Signature