



Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Pinellas County SO S/N 80-001367

Date In 6/7/16 Date Out 7/14/16  Ship  P/U  H/D  CMI  EE

<b>Intake</b> Performed By <u>AB</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: _____ _____ _____	<b>Quality Checks</b> Performed By <u>AB</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>173</u> <input checked="" type="checkbox"/> Flow Verification (L/s) Flow Column # <u>ATP102</u> 32mm <u>0.156</u> (.139 - .169) 36mm <u>0.171</u> (.156 - .190) 53mm <u>0.238</u> (.228 - .278) 103mm <u>0.500</u> (.447 - .547) <input 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>SD3962</td> <td>201507A 7/14/17</td> </tr> <tr> <td>0.08</td> <td>SD3964</td> <td>201601F 1/26/18</td> </tr> <tr> <td>0.20</td> <td>G4444</td> <td>201505A 5/12/17</td> </tr> <tr> <td>0.08 DGS</td> <td>N/A</td> <td>AG600504 1/5/18</td> </tr> </tbody> </table>	Simulator	Serial #	Lot #/Exp	0.05	SD3962	201507A 7/14/17	0.08	SD3964	201601F 1/26/18	0.20	G4444	201505A 5/12/17	0.08 DGS	N/A	AG600504 1/5/18	<b>Flow Calibration</b> Performed By _____ <input checked="" type="checkbox"/> Flow Calibration N/A <input type="checkbox"/> Flow Calibration Complete Flow Column # _____ <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 (L/s) Flow Column # _____ 32mm _____ (.139 - .169) 36mm _____ (.156 - .190) 53mm _____ (.228 - .278) 103mm _____ (.447 - .547)
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		<b>Maintenance</b> Performed By _____ <input type="checkbox"/> Battery Replacement <input type="checkbox"/> Dry Gas Regulator Replacement <input type="checkbox"/> Breath Tube Replacement <input type="checkbox"/> Other _____ <b>Suggested Service</b> _____ _____															

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Alcohol Testing Program

<b>Optical Bench Calibration</b> Performed By <u>AB</u> <input type="checkbox"/> Optical Bench Calibration N/A <input checked="" type="checkbox"/> Optical Bench Calibration Complete Barometric Pressure Gauge <u>1017</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>DR1275</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>15001</td> <td>5/20/17</td> </tr> <tr> <td>0.200</td> <td>G2408</td> <td>15104</td> <td>5/27/17</td> </tr> <tr> <td>0.400</td> <td>G5358</td> <td>15105</td> <td>4/10/17</td> </tr> <tr> <td>0.080 DGS</td> <td>N/A</td> <td>0341508DA1</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>201505A</td> <td>5/12/17</td> </tr> <tr> <td>0.08 DGS</td> <td>N/A</td> <td>AG61240S</td> <td>5/3/18</td> </tr> </tbody> </table>	Simulator	Serial Number	Lot Number	Expiration	0.000	DR1275	N/A	N/A	0.040	G2882	16101	2/2/18	0.100	G2078	15001	5/20/17	0.200	G2408	15104	5/27/17	0.400	G5358	15105	4/10/17	0.080 DGS	N/A	0341508DA1	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	201505A	5/12/17	0.08 DGS	N/A	AG61240S	5/3/18	<b>Department Inspection</b> Performed By <u>AB</u> <input checked="" type="checkbox"/> Barometric Pressure <u>1018</u> Gauge ID# <u>28427</u> <u>1016</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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Notes: <u>Performed optical bench calibration to bring values closer to nominal AB</u> <u>QC 7/5/16</u>	<b>Attachments</b> <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 _____																																																												

<input checked="" type="checkbox"/> Instrument Complies with Chapter 11D-8, FAC <input type="checkbox"/> Instrument Does Not Comply with Chapter 11D-8, FAC <input checked="" type="checkbox"/> Return to/Place into Evidentiary Use <input type="checkbox"/> Remain Out of Evidentiary Use <input checked="" type="checkbox"/> Conduct an Agency Inspection Before Evidentiary Use	<u>7/15/16</u> Date
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Brett Kirkland

Quality Control Review

Stability Checks # 80-001367 Pinellas County S.D. 6/23/16 ~~DBS~~ BX

PINELLAS COUNTY SO  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-001367  
06/23/2016  
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	17:06
Control Test	0.084	17:06
Air Blank	0.000	17:07
Control Test	0.083	17:07
Air Blank	0.000	17:08
Control Test	0.083	17:08
Air Blank	0.000	17:09
Control Test	0.083	17:09
Control Test Stats		
Average	0.0833	
Std Dev	0.0006	
Rel Std Dev(%)	0.6928	

Operator's Signature

PINELLAS COUNTY SO  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-001367  
06/23/2016  
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	17:16
Control Test	0.192	17:16
Air Blank	0.000	17:17
Control Test	0.190	17:18
Air Blank	0.000	17:18
Control Test	0.188	17:19
Air Blank	0.000	17:19
Control Test	0.000	17:19
Control Test Stats		
Average	0.1900	
Std Dev	0.0020	
Rel Std Dev(%)	1.0526	

Operator's Signature

PINELLAS COUNTY SO  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-001367  
06/23/2016  
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	17:01
Control Test	0.204	17:02
Air Blank	0.000	17:03
Control Test	0.196	17:03
Air Blank	0.000	17:04
Control Test	0.196	17:04
Air Blank	0.000	17:05
Control Test	0.000	17:05
Control Test Stats		
Average	0.1987	
Std Dev	0.0046	
Rel Std Dev(%)	2.3249	

Changed tubing on SCRs. DBS

Operator's Signature

PINELLAS COUNTY SO  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-001367  
06/23/2016  
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	16:56
Control Test	0.079	16:57
Air Blank	0.000	16:57
Control Test	0.079	16:58
Air Blank	0.000	16:59
Control Test	0.078	16:59
Air Blank	0.000	17:00
Control Test	0.000	17:00
Control Test Stats		
Average	0.0787	
Std Dev	0.0006	
Rel Std Dev(%)	0.7339	

Operator's Signature

PINELLAS COUNTY SO  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-001367  
06/23/2016  
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	16:51
Control Test	0.048	16:52
Air Blank	0.000	16:53
Control Test	0.049	16:53
Air Blank	0.000	16:54
Control Test	0.050	16:54
Air Blank	0.000	16:55
Control Test	0.000	16:55
Control Test Stats		
Average	0.0490	
Std Dev	0.0010	
Rel Std Dev(%)	2.0408	

Operator's Signature

# Calibration Data (Optical Bench) # 80-001367 Pinellas County S.O. 7/14/16

PINELLAS COUNTY SO  
Intoxilyzer - Alcotest Analyzer  
Model 8000  
07/14/2016  
SN 80-001367  
12:01:43

Auto Calibration  
Max Power Res Value = 33  
Auto Range Res Value = 20

\*\*\*\*\* AUTO CAL DATA \*\*\*\*\*  
<<<<< CHANNEL 1 >>>>>  
Sol Val = 0.0000 mg/l or 0.000 g/210L  
% Abs = 0.078  
Std Dev = 0.01 Rel Std Dev = 7.69  
Sol Val = 0.1905 mg/l or 0.040 g/210L  
% Abs = 0.819  
Std Dev = 0.00 Rel Std Dev = 0.39  
Sol Val = 0.4762 mg/l or 0.100 g/210L  
% Abs = 1.938  
Std Dev = 0.01 Rel Std Dev = 0.47  
Sol Val = 0.9524 mg/l or 0.200 g/210L  
% Abs = 3.739  
Std Dev = 0.02 Rel Std Dev = 0.64  
Sol Val = 1.9048 mg/l or 0.400 g/210L  
% Abs = 7.107  
Std Dev = 0.00 Rel Std Dev = 0.03  
Zero Order Coef = -172.45  
First Order Coef = 2480.00  
Second Order Coef = 31.47  
Standard Deviation = 19.793974

<<<<< CHANNEL 2 >>>>>  
Sample % Abs (% Abs Ref)  
Sample #1 = 7.0240 (0.0000)  
Sample #2 = 7.0560 (-0.0160)  
Sample #3 = 7.0800 (-0.0180)  
Sample #4 = 7.0670 (-0.0070)  
Avg % Abs = 7.0677 (-0.0137)  
STD DEV = 0.0120 (0.0059)  
REL STD DEV = 0.170 (42.674)

Sol Value = 0.100 g/210L \*\*\*  
Fit value = 0.4762 mg/l \*\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Io = 12778, Sum Io = 13715  
<<<<< CHANNEL 1 >>>>>  
Sample % Abs (% Abs Ref)  
Sample #1 = 1.9250 (-0.0240)  
Sample #2 = 1.9300 (0.0030)  
Sample #3 = 1.9480 (-0.0080)  
Sample #4 = 1.9360 (-0.0030)  
Avg % Abs = 1.9380 (-0.0027)  
STD DEV = 0.0092 (0.0055)  
REL STD DEV = 0.473 (206.534)

Sol Value = 0.400 g/210L \*\*\*  
Fit value = 1.9048 mg/l \*\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Io = 12769, Sum Io = 13708  
<<<<< CHANNEL 1 >>>>>  
Sample % Abs (% Abs Ref)  
Sample #1 = 7.0970 (-0.0260)  
Sample #2 = 7.1050 (-0.0260)  
Sample #3 = 7.1090 (-0.0140)  
Sample #4 = 7.1080 (-0.0050)  
Avg % Abs = 7.1073 (-0.0150)  
STD DEV = 0.0021 (0.0105)  
REL STD DEV = 0.029 (70.238)

<<<<< CHANNEL 2 >>>>>  
Sample % Abs (% Abs Ref)  
Sample #1 = 3.6600 (0.0000)  
Sample #2 = 3.6350 (0.0170)  
Sample #3 = 3.6710 (0.0000)  
Sample #4 = 3.6510 (0.0010)  
Avg % Abs = 3.6523 (0.0060)  
STD DEV = 0.0180 (0.0095)  
REL STD DEV = 0.494 (158.990)

<<<<< CHANNEL 2 >>>>>  
Sample % Abs (% Abs Ref)  
Sample #1 = 13.2490 (-0.0090)  
Sample #2 = 13.2330 (0.0000)  
Sample #3 = 13.2500 (-0.0030)  
Sample #4 = 13.2180 (0.0120)  
Avg % Abs = 13.2337 (0.0030)  
STD DEV = 0.0160 (0.0079)  
REL STD DEV = 0.121 (264.575)

Sol Value = 0.200 g/210L \*\*\*  
Fit value = 0.9524 mg/l \*\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Io = 12775, Sum Io = 13710  
<<<<< CHANNEL 1 >>>>>  
Sample % Abs (% Abs Ref)  
Sample #1 = 3.7210 (-0.0030)  
Sample #2 = 3.7180 (-0.0080)  
Sample #3 = 3.7650 (-0.0080)  
Sample #4 = 3.7350 (0.0030)  
Avg % Abs = 3.7393 (-0.0043)  
STD DEV = 0.0238 (0.0064)  
REL STD DEV = 0.636 (146.558)

<<<<< CHANNEL 1 >>>>>  
Sample % Abs (% Abs Ref)  
Sample #1 = 0.0800 (-0.0080)  
Sample #2 = 0.0680 (-0.0100)  
Sample #3 = 0.0750 (0.0110)  
Sample #4 = 0.0540 (-0.0007)  
Avg % Abs = 0.0657 (-0.0007)  
STD DEV = 0.0107 (0.0107)  
REL STD DEV = 16.283 (1603.982)

Solution Stats Quadratic Fit Chan 1  
Act Fit Residual  
g/210L g/210L g/210L  
0.000 0.000 -0.0005  
0.040 0.039 0.0005  
0.100 0.100 0.0002  
0.200 0.200 -0.0004  
0.400 0.400 0.0001

Solution Stats Quadratic Fit Chan 2  
Act Fit Residual  
g/210L g/210L g/210L  
0.000 0.001 -0.0008  
0.040 0.039 0.0009  
0.100 0.100 0.0004  
0.200 0.201 -0.0006  
0.400 0.400 0.0001

Sol Value = 0.080 g/210L \*\*\*  
Fit value = 0.3810 mg/l \*\*\*\*  
Samples Taken = 4, Discarded = 1  
\*\*\*\*\* CHANNEL 1 \*\*\*\*\*  
Sample #1 = 3104.00  
Sample #2 = 3065.00  
Sample #3 = 3132.00  
Sample #4 = 3149.00  
Average Result = 3115.3333  
STD DEV = 44.4110  
REL STD DEV = 1.426  
\*\*\*\*\* CHANNEL 2 \*\*\*\*\*  
Sample #1 = 3355.00  
Sample #2 = 3374.00  
Sample #3 = 3421.00  
Sample #4 = 3404.00  
Average Result = 3359.6667  
STD DEV = 23.7978  
REL STD DEV = 0.700  
\*\*\*\*\*

Dry Gas H2O Adjust Results \*\*\*\*\*  
Barometric Pressure = 1016  
3 um H2O Adjust (mg/l\*10,000) = 694  
9 um H2O Adjust (mg/l\*10,000) = 410  
\*\*\*\* AUTO CAL PASS

AK

Post-Cal Stability Checks # 80-001367 Pinellas County S.O. 7/14/16 *RMS*  
*BSK*

*BSK*

PINELLAS COUNTY SO  
 Intoxilyzer - Alcohol Analyzer  
 Model 8000 SN 80-001367  
 07/14/2016  
 Software: 8100.27

Test	9/210L	Time
Air Blank	0.000	12:57
Control Test	0.048	12:58
Air Blank	0.000	12:58
Control Test	0.049	12:59
Air Blank	0.000	13:00
Control Test	0.049	13:00
Air Blank	0.000	13:01
Control Test Stats		
Average	0.0487	
Std Dev	0.0006*	
Rel Std Dev(%)	1.1863	

*RMS*  
 Operator's Signature

PINELLAS COUNTY SO  
 Intoxilyzer - Alcohol Analyzer  
 Model 8000 SN 80-001367  
 07/14/2016  
 Software: 8100.27

Test	9/210L	Time
Air Blank	0.000	13:03
Control Test	0.080	13:04
Air Blank	0.000	13:05
Control Test	0.079	13:05
Air Blank	0.000	13:06
Control Test	0.080	13:07
Air Blank	0.000	13:07
Control Test Stats		
Average	0.0797	
Std Dev	0.0006	
Rel Std Dev(%)	0.7247	

*RMS*  
 Operator's Signature

PINELLAS COUNTY SO  
 Intoxilyzer - Alcohol Analyzer  
 Model 8000 SN 80-001367  
 07/14/2016  
 Software: 8100.27

Test	9/210L	Time
Air Blank	0.000	13:14
Control Test	0.198	13:14
Air Blank	0.000	13:15
Control Test	0.198	13:16
Air Blank	0.000	13:16
Control Test	0.199	13:17
Air Blank	0.000	13:17
Control Test Stats		
Average	0.1983	
Std Dev	0.0006	
Rel Std Dev(%)	0.2911	

*RMS*  
 Operator's Signature

PINELLAS COUNTY SO  
 Intoxilyzer - Alcohol Analyzer  
 Model 8000 SN 80-001367  
 07/14/2016  
 Software: 8100.27

Test	9/210L	Time
Air Blank	0.000	13:20
Control Test	0.080	13:20
Air Blank	0.000	13:20
Control Test	0.080	13:21
Air Blank	0.000	13:21
Control Test	0.080	13:22
Air Blank	0.000	13:22
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

*RMS*  
 Operator's Signature