



Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

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MAR 28 2017

Agency FHP - Pasco

S/N 80-006637

Date In 3/23/17

Date Out 3/27/17

Ship P/U H/D CMI FEE
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: One screw missing from DG Holder

Quality Checks Performed By DS

Breath Tube Screen
 Replace O-Rings
 Instrument Set Up Verified
 R-Value 219
 Flow Verification (L/s)
 Flow Column # ATP 102
 32mm 0.160 (.139 - .169)
 36mm 0.175 (.156 - .190)
 53mm 0.242 (.228 - .278)
 103mm 0.519 (.447 - .547)

Barometric Pressure Check
 Gauge ID # 28427

Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	<u>G3709</u>	<u>201603D 3/8/18</u>
0.08	<u>DR1279</u>	<u>201601F 1/26/18</u>
0.20	<u>DR3856</u>	<u>201604C 4/5/18</u>
0.08 DGS	N/A	<u>AG626605 9/22/18</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

Optical Bench Calibration Performed By DS

Optical Bench Calibration N/A
 Optical Bench Calibration Complete
 Barometric Pressure Gauge 281017 ID # 28421

Simulator	Serial Number	Lot Number	Expiration
0.000	<u>SD1016</u>	N/A	N/A
0.040	<u>SD1024</u>	<u>15108</u>	<u>3/18/17</u>
0.100	<u>SD1022</u>	<u>15001</u>	<u>5/20/17</u>
0.200	<u>DR3855</u>	<u>15104</u>	<u>5/27/17</u>
0.400	<u>G2407</u>	<u>16102</u>	<u>3/22/18</u>
0.080 DGS	N/A	<u>15615D80AZ</u>	<u>7/5/17</u>

Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	<u>G3709</u>	<u>201603D</u>	<u>3/8/18</u>
0.08	<u>DR1279</u>	<u>3/8/18 201601F</u>	<u>1/26/18</u>
0.20	<u>DR3856</u>	<u>201604C</u>	<u>4/5/18</u>
0.08 DGS	N/A		

Department Inspection Performed By DS

Barometric Pressure
 ID# 28427 1016 Gauge
1015 Instrument

Mouth Alcohol Solution Lot # 2016-C
 Acetone Stock Solution Lot # 2016-B

Simulator	Serial Number
0.00	<u>G2880</u>
Interferent	<u>G2834</u>
0.05	<u>G3709</u>
0.08	<u>DR1279</u>
0.20	<u>DR3856</u>

Attachments

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

Notes: Performed optical bench calibration adjustment to bring values closer to nominal
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

Quality Control Review 3/27/17 Brett Kurland

3/28/17
Date

Pre-Adjustment
Stability

Checks # 80-000637 Florida Highway Patrol 3/24/17 ~~RS~~

RS

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006637
03/24/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:59
Control Test	0.047	13:59
Air Blank	0.000	14:00
Control Test	0.048	14:00
Air Blank	0.000	14:01
Control Test	0.047	14:02
Air Blank	0.000	14:02
Control Test Stats		
Average	0.0473	
Std Dev	0.0006	
Rel Std Dev(%)	1.2198	

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006637
03/24/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:03
Control Test	0.077	14:04
Air Blank	0.000	14:05
Control Test	0.075	14:05
Air Blank	0.000	14:06
Control Test	0.076	14:07
Air Blank	0.000	14:07
Control Test Stats		
Average	0.0760	
Std Dev	0.0010	
Rel Std Dev(%)	1.3158	

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006637
03/24/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:49
Control Test	0.191	13:50
Air Blank	0.000	13:51
Control Test	0.193	13:51
Air Blank	0.000	13:52
Control Test	0.194	13:53
Air Blank	0.000	13:53
Control Test Stats		
Average	0.1927	
Std Dev	0.0015	
Rel Std Dev(%)	0.7928	

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006637
03/24/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:54
Control Test	0.079	13:55
Air Blank	0.000	13:55
Control Test	0.079	13:56
Air Blank	0.000	13:56
Control Test	0.079	13:56
Air Blank	0.000	13:57
Control Test Stats		
Average	0.0790	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

RS *RSK*

RS

Operator's Signature

RS

Operator's Signature

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Operator's Signature

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Operator's Signature

Optical Bench Calibration Adjustment Data # 80-006637 FL Highway Patrol 3/27/17 DWS

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006637
03/27/2017 11:40:45
Auto Calibration
Max Power Res Value = 90
Auto Range Res Value = 59

<<<<< CHANNEL 2 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 1.5250 (0.0430)
Sample #2 = 1.4950 (0.0570)
Sample #3 = 1.5100 (0.0760)
Sample #4 = 1.5320 (0.0540)
Avg % Abs = 1.5123 (0.0623)
STD DEV = 0.0186 (0.0119)
REL STD DEV = 1.231 (19.140)

<<<<< CHANNEL 2 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 6.8250 (0.0060)
Sample #2 = 6.6910 (0.1580)
Sample #3 = 6.7490 (0.1520)
Sample #4 = 6.7530 (0.1480)
Avg % Abs = 6.7310 (0.1527)
STD DEV = 0.0347 (0.0050)
REL STD DEV = 0.516 (3.297)

***** AUTO CAL DATA *****
<<<<< CHANNEL 1 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.020
Std Dev = 0.03 Rel Std Dev = 143.92
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.739
Std Dev = 0.02 Rel Std Dev = 3.10
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.850
Std Dev = 0.02 Rel Std Dev = 1.17
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.629
Std Dev = 0.02 Rel Std Dev = 0.68
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.915
Std Dev = 0.02 Rel Std Dev = 0.33
Zero Order Coef = -12.01
First Order Coef = 2503.68
Second Order Coef = 36.39
Standard Deviation = 34.815460

Solution Stats Quadratic Fit Chan 1
Act Fit Residual
g/210L g/210L g/210L
0.000 0.001 -0.0008
0.040 0.039 0.0010
0.100 0.100 0.0004
0.200 0.201 -0.0006
0.400 0.400 0.0001

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12455, Sum Io = 12951

<<<<< CHANNEL 1 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 1.8670 (-0.0080)
Sample #2 = 1.8750 (0.0190)
Sample #3 = 1.8350 (0.0430)
Sample #4 = 1.8410 (0.0610)
Avg % Abs = 1.8503 (0.0410)
STD DEV = 0.0216 (0.0211)
REL STD DEV = 1.166 (51.393)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12450, Sum Io = 12952

<<<<< CHANNEL 1 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 7.0490 (0.0000)
Sample #2 = 6.8930 (0.1830)
Sample #3 = 6.9390 (0.1740)
Sample #4 = 6.9130 (0.1950)
Avg % Abs = 6.9150 (0.1840)
STD DEV = 0.0231 (0.0105)
REL STD DEV = 0.334 (5.726)

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%
Samples Taken = 4, Discarded = 1

***** CHANNEL 1 *****
Sample #1 = 3421.00
Sample #2 = 3411.00
Sample #3 = 3461.00
Sample #4 = 3377.00
Average Result = 3416.3333
STD DEV = 42.2532
REL STD DEV = 1.237
***** CHANNEL 2 *****
Sample #1 = 3365.00
Sample #2 = 3347.00
Sample #3 = 3386.00
Sample #4 = 3321.00
Average Result = 3351.3333
STD DEV = 32.7160
REL STD DEV = 0.976
***** CHANNEL 2 *****
Dry Gas H2O Adjust Results *****
Barometric Pressure = 1016
3 um H2O Adjust (mg/l*10.000) = 393
9 um H2O Adjust (mg/l*10.000) = 458
**** AUTO CAL PASS

Solution Stats Quadratic Fit Chan 2
Act Fit Residual
g/210L g/210L g/210L
0.000 0.000 -0.0002
0.040 0.040 -0.0005
0.100 0.099 0.0014
0.200 0.201 -0.0009
0.400 0.400 0.0002

<<<<< CHANNEL 2 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 0.0840 (0.0160)
Sample #2 = 0.0880 (0.0050)
Sample #3 = 0.1190 (-0.0170)
Sample #4 = 0.0550 (0.0010)
Avg % Abs = 0.0873 (-0.0023)
STD DEV = 0.0320 (0.0133)
REL STD DEV = 36.647 (570.714)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12452, Sum Io = 12953

<<<<< CHANNEL 1 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 3.6860 (-0.0030)
Sample #2 = 3.6040 (0.0900)
Sample #3 = 3.6310 (0.0710)
Sample #4 = 3.6530 (0.0750)
Avg % Abs = 3.6293 (0.0787)
STD DEV = 0.0245 (0.0100)
REL STD DEV = 0.676 (12.733)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12460, Sum Io = 12960

<<<<< CHANNEL 1 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 0.8150 (-0.0290)
Sample #2 = 0.7650 (0.0290)
Sample #3 = 0.7320 (0.0380)
Sample #4 = 0.7210 (0.0570)
Avg % Abs = 0.7393 (0.0413)
STD DEV = 0.0229 (0.0143)
REL STD DEV = 3.097 (34.584)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12452, Sum Io = 12953

<<<<< CHANNEL 1 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 3.6860 (-0.0030)
Sample #2 = 3.6040 (0.0900)
Sample #3 = 3.6310 (0.0710)
Sample #4 = 3.6530 (0.0750)
Avg % Abs = 3.6293 (0.0787)
STD DEV = 0.0245 (0.0100)
REL STD DEV = 0.676 (12.733)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12455, Sum Io = 12951

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Sample % Abs (% Abs Ref)
Sample #1 = 1.8670 (-0.0080)
Sample #2 = 1.8750 (0.0190)
Sample #3 = 1.8350 (0.0430)
Sample #4 = 1.8410 (0.0610)
Avg % Abs = 1.8503 (0.0410)
STD DEV = 0.0216 (0.0211)
REL STD DEV = 1.166 (51.393)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12450, Sum Io = 12952

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Sample #1 = 7.0490 (0.0000)
Sample #2 = 6.8930 (0.1830)
Sample #3 = 6.9390 (0.1740)
Sample #4 = 6.9130 (0.1950)
Avg % Abs = 6.9150 (0.1840)
STD DEV = 0.0231 (0.0105)
REL STD DEV = 0.334 (5.726)

Sol Value = 0.080 g/210L ***
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Average Result = 3351.3333
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***** CHANNEL 2 *****
Dry Gas H2O Adjust Results *****
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**** AUTO CAL PASS

Solution Stats Quadratic Fit Chan 2
Act Fit Residual
g/210L g/210L g/210L
0.000 0.000 -0.0002
0.040 0.040 -0.0005
0.100 0.099 0.0014
0.200 0.201 -0.0009
0.400 0.400 0.0002

Post-Cal Adjustment
Stability Checks

80-006637 FL Highway Patrol 3/27/17

RMS

DES

FL HIGHWAY PATROL
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Model 8000 SN 80-006637
03/27/2017
Software: 8100.27

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FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006637
03/27/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:48
Control Test	0.049	12:49
Air Blank	0.000	12:50
Control Test	0.051	12:50
Air Blank	0.000	12:51
Control Test	0.051	12:52
Air Blank	0.000	12:53
Control Test Stats		
Average	0.0503	
Std Dev	0.0012	
Rel Std Dev(%)	2.2941	

Test	g/210L	Time
Air Blank	0.000	12:54
Control Test	0.078	12:55
Air Blank	0.000	12:56
Control Test	0.080	12:56
Air Blank	0.000	12:57
Control Test	0.082	12:58
Air Blank	0.000	12:58
Control Test Stats		
Average	0.0800	
Std Dev	0.0020	
Rel Std Dev(%)	2.5000	

Test	g/210L	Time
Air Blank	0.000	12:59
Control Test	0.200	13:00
Air Blank	0.000	13:01
Control Test	0.201	13:02
Air Blank	0.000	13:02
Control Test	0.201	13:03
Air Blank	0.000	13:04
Control Test Stats		
Average	0.2007	
Std Dev	0.0006	
Rel Std Dev(%)	0.2877	

Test	g/210L	Time
Air Blank	0.000	13:05
Control Test	0.081	13:05
Air Blank	0.000	13:06
Control Test	0.080	13:06
Air Blank	0.000	13:07
Control Test	0.081	13:07
Air Blank	0.000	13:08
Control Test Stats		
Average	0.0807	
Std Dev	0.0006	
Rel Std Dev(%)	0.7157	

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Operator's Signature

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