FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

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MAR 28 2017
FDLE
Alcohol Testing Program

Agency Pinellas County S/N 80-001066

Date In 3/22/17 Date Out 3/27/17 ☑ Ship ☐ P/U ☐ H/D ☐ CMI ☐ EE

Intake — Performed By SB

- ☐ Registration
- ☑ Annual
- ☐ Return from CMI
- ☐ Return from Enforcement Electronics
- ☐ Other _____

Visual Inspection:

- ok Case
- ok Dry Gas Holder
- ok Keyboard/Plug
- ok Screws tight
- ok Handle
- ok Feet
- ok Back/Plugs
- OK Breath Hose

Other Equipment:

- ☐ Power cord
- ☐ Printer Cable
- ☐ Other _____

Notes: _____

Quality Checks — Performed By DMR

- ☑ Breath Tube Screen
- ☑ Replace O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 187
- ☑ Flow Verification (L/s)

Flow Column # ATP102

32mm 0.144 (.139 - .169)
36mm 0.160 (.156 - .190)
53mm 0.230 (.228 - .278)
103mm 0.496 (.447 - .547)

- ☑ Barometric Pressure Check

Gauge ID # 28427

- ☑ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	G3709	201603D 3/8/18
0.08	DR1279	201601F 1/26/18
0.20	DR3856	201604C 4/5/18
0.08 DGS	N/A	AG6206605 9/22/18

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 DMS

- ☐ Optical Bench Calibration N/A
- ☑ Optical Bench Calibration Complete

Barometric Pressure Gauge 1017 ID # 28421

Simulator	Serial Number	Lot Number	Expiration
0.000	SD1016	N/A	N/A
0.040	SD1024	15108	8/18/17
0.100	SD1022	15001	5/20/17
0.200	DR3855	15104	5/27/17
0.400	G2407	16102	3/22/18
0.080 DGS	N/A	15615080A2	7/15/17 DMS

- ☑ Post Calibration Stability Checks

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

Department Inspection — Performed By DMS

- ☑ Barometric Pressure ID# 28427 — 1016 Gauge, 1015 Instrument

Mouth Alcohol Solution Lot # _____

Acetone Stock Solution Lot # _____

Simulator	Serial Number
0.00	G2880
Interferent	G2834
0.05	G3709
0.08	DR1279
0.20	DR3856

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. DMS

- ☑ **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**

QC 3/27/17 Brett Kirkland — Quality Control Review

3/28/17 — Date

Revised November 2012

Pre-Adjustment

Stability Checks #80-001066 Pinellas County S.O. 3/24/17 RMS

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001066
03/24/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:09
Control Test	0.047	14:09
Air Blank	0.000	14:10
Control Test	0.047	14:10
Air Blank	0.000	14:11
Control Test	0.048	14:12
Air Blank	0.000	14:12
Control Test Stats		
Average	0.0473	
Std Dev	0.0006	
Rel Std Dev(%)	1.2198	

Operator's Signature

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001066
03/24/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:14
Control Test	0.076	14:15
Air Blank	0.000	14:15
Control Test	0.076	14:16
Air Blank	0.000	14:16
Control Test	0.077	14:17
Air Blank	0.000	14:18
Control Test Stats		
Average	0.0763	
Std Dev	0.0006	
Rel Std Dev(%)	0.7564	

Operator's Signature

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001066
03/24/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:19
Control Test	0.193	14:19
Air Blank	0.000	14:20
Control Test	0.194	14:21
Air Blank	0.000	14:21
Control Test	0.195	14:22
Air Blank	0.000	14:22
Control Test Stats		
Average	0.1940	
Std Dev	0.0010	
Rel Std Dev(%)	0.5155	

Operator's Signature

DBS

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001066
03/24/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:59
Control Test	0.081	14:00
Air Blank	0.000	14:00
Control Test	0.081	14:01
Air Blank	0.000	14:01
Control Test	0.081	14:01
Air Blank	0.000	14:02
Control Test Stats		
Average	0.0810	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

BK

Operator's Signature

Optical bench calibration adjustment data #80-001066 Pinellas County S.O. 3/27/17 RMB

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 . SN 80-001066
03/27/2017 11:40:03

Auto Calibration
Max Power Res Value = 25
Auto Range Res Value = 12

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12686, 9um Io = 12520

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1030	(-0.0170)
Sample #2 =	0.1020	(0.0020)
Sample #3 =	0.0780	(0.0080)
Sample #4 =	0.0790	(0.0310)

Avg % Abs = 0.0863 (0.0137)
STD DEV = 0.0136 (0.0153)
REL STD DEV = 15.726 (112.009)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1510	(0.0000)
Sample #2 =	0.1560	(0.0110)
Sample #3 =	0.1570	(0.0100)
Sample #4 =	0.1800	(0.0030)

Avg % Abs = 0.1643 (0.0080)
STD DEV = 0.0136 (0.0044)
REL STD DEV = 8.262 (54.486)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12681, 9um Io = 12519

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7990	(-0.0250)
Sample #2 =	0.8060	(-0.0020)
Sample #3 =	0.7910	(0.0130)
Sample #4 =	0.7940	(0.0100)

Avg % Abs = 0.7970 (0.0070)
STD DEV = 0.0079 (0.0079)
REL STD DEV = 0.996 (113.389)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5940	(-0.0050)
Sample #2 =	1.5820	(0.0150)
Sample #3 =	1.5930	(0.0040)
Sample #4 =	1.6030	(0.0020)

Avg % Abs = 1.5927 (0.0070)
STD DEV = 0.0105 (0.0070)
REL STD DEV = 0.660 (100.000)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12675, 9um Io = 12518

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8330	(-0.0190)
Sample #2 =	1.8440	(-0.0360)
Sample #3 =	1.8250	(-0.0110)
Sample #4 =	1.8280	(-0.0060)

Avg % Abs = 1.8323 (-0.0177)
STD DEV = 0.0102 (0.0161)
REL STD DEV = 0.557 (90.978)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6980	(0.0000)
Sample #2 =	3.6910	(0.0120)
Sample #3 =	3.6940	(0.0040)
Sample #4 =	3.6950	(0.0160)

Avg % Abs = 3.6933 (0.0107)
STD DEV = 0.0021 (0.0061)
REL STD DEV = 0.056 (57.282)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12674, 9um Io = 12516

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5500	(-0.0160)
Sample #2 =	3.5660	(-0.0320)
Sample #3 =	3.5250	(0.0030)
Sample #4 =	3.5500	(0.0000)

Avg % Abs = 3.5470 (-0.0097)
STD DEV = 0.0207 (0.0194)
REL STD DEV = 0.583 (200.683)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.0790	(-0.0120)
Sample #2 =	7.0630	(0.0070)
Sample #3 =	7.0260	(0.0360)
Sample #4 =	7.0520	(0.0260)

Avg % Abs = 7.0470 (0.0230)
STD DEV = 0.0190 (0.0147)
REL STD DEV = 0.270 (64.047)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12675, 9um Io = 12514

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.7480	(-0.0190)
Sample #2 =	6.7200	(0.0300)
Sample #3 =	6.7350	(0.0260)
Sample #4 =	6.7310	(0.0300)

Avg % Abs = 6.7287 (0.0287)
STD DEV = 0.0078 (0.0023)
REL STD DEV = 0.115 (8.056)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	13.1000	(-0.0170)
Sample #2 =	13.0840	(0.0450)
Sample #3 =	13.0650	(0.0640)
Sample #4 =	13.0730	(0.0640)

Avg % Abs = 13.0740 (0.0577)
STD DEV = 0.0095 (0.0110)
REL STD DEV = 0.073 (19.023)

BK

***** AUTO CAL DATA *****

<<<<< CHANNEL 1 >>>>>

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.086
Std Dev = 0.01 Rel Std Dev = 15.73
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.797
Std Dev = 0.01 Rel Std Dev = 1.00
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.832
Std Dev = 0.01 Rel Std Dev = 0.56
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.547
Std Dev = 0.02 Rel Std Dev = 0.58
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.729
Std Dev = 0.01 Rel Std Dev = 0.12
Zero Order Coef = -214.42
First Order Coef = 2632.93
Second Order Coef = 34.02
Standard Deviation = 24.775566

<<<<< CHANNEL 2 >>>>>

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.164
Std Dev = 0.01 Rel Std Dev = 8.26
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.593
Std Dev = 0.01 Rel Std Dev = 0.66
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.693
Std Dev = 0.00 Rel Std Dev = 0.06
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 7.047
Std Dev = 0.02 Rel Std Dev = 0.27
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 13.074
Std Dev = 0.01 Rel Std Dev = 0.07
Zero Order Coef = -187.74
First Order Coef = 1278.60
Second Order Coef = 14.70
Standard Deviation = 24.794025

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.000	-0.0003
0.040	0.040	-0.0000
0.100	0.099	0.0008
0.200	0.201	-0.0006
0.400	0.400	0.0001

Solution Stats Quadratic Fit Chan 2

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.000	-0.0005
0.040	0.040	0.0004
0.100	0.099	0.0006
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 = 3194.00
Sample #2 = 3151.00
Sample #3 = 3230.00
Sample #4 = 3160.00
Average Result = 3180.3333
STD DEV = 43.2474
REL STD DEV = 1.360
****
***** CHANNEL 2
Sample #1 = 3211.00
Sample #2 = 3209.00
Sample #3 = 3232.00
Sample #4 = 3229.00
Average Result = 3223.3333
STD DEV = 12.5033
REL STD DEV = 0.388
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1016
3 um H2O Adjust (mg/l*10,000) = 629
9 um H2O Adjust (mg/l*10,000) = 586
**** AUTO CAL PASS

Post-Cal Adjustment
Stability Checks #80-001066 Pinellas County S.O. 3/27/17 DBS

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001066
03/27/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:53
Control Test	0.049	12:54
Air Blank	0.000	12:54
Control Test	0.049	12:55
Air Blank	0.000	12:56
Control Test	0.049	12:56
Air Blank	0.000	12:57
Control Test Stats		
Average	0.0490	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001066
03/27/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:58
Control Test	0.078	12:59
Air Blank	0.000	12:59
Control Test	0.078	13:00
Air Blank	0.000	13:01
Control Test	0.077	13:01
Air Blank	0.000	13:02
Control Test Stats		
Average	0.0777	
Std Dev	0.0006	
Rel Std Dev(%)	0.7434	

Operator's Signature

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001066
03/27/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:03
Control Test	0.196	13:04
Air Blank	0.000	13:05
Control Test	0.197	13:05
Air Blank	0.000	13:06
Control Test	0.197	13:07
Air Blank	0.000	13:07
Control Test Stats		
Average	0.1967	
Std Dev	0.0006	
Rel Std Dev(%)	0.2936	

Operator's Signature

BK

DBS

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001066
03/27/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:09
Control Test	0.080	13:09
Air Blank	0.000	13:09
Control Test	0.080	13:10
Air Blank	0.000	13:10
Control Test	0.080	13:11
Air Blank	0.000	13:11
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature