FDLE
Alcohol Testing Program

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FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Pinellas County S/N 80-005290

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

Intake Performed By [initials]

- ☐ 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 ______

Notes: ______

Quality Checks Performed By RWB

- ☑ Breath Tube Screen
- ☑ Replace O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 140
- ☑ Flow Verification (L/s)

Flow Column # ATP102

32mm 0.156 (.139 - .169)
36mm 0.167 (.156 - .190)
53mm 0.238 (.228 - .278)
103mm 0.500 (.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	AG626605 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 RWB

- ☐ 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	1561508DA2	7/5/17

- ☑ 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 RWB

- ☑ Barometric Pressure 1016 Gauge

ID# 28427 1015 Instrument

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

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 Add'l 0.08 Stability Checks

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

- ☑ **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 [initials] 3/27/17 Brett Kirkland 3/28/17
Quality Control Review Date

Pre-Adjustment
Stability Checks #80-005290 Pinellas County S.O. 3/24/17

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005290
03/24/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:47
Control Test	0.047	13:47
Air Blank	0.000	13:48
Control Test	0.048	13:48
Air Blank	0.000	13:49
Control Test	0.048	13:50
Air Blank	0.000	13:50
Control Test Stats		
Average	0.0477	
Std Dev	0.0006	
Rel Std Dev(%)	1.2112	

Operator's Signature

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005290
03/24/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:53
Control Test	0.076	13:54
Air Blank	0.000	13:54
Control Test	0.078	13:55
Air Blank	0.000	13:55
Control Test	0.076	13:56
Air Blank	0.000	13:57
Control Test Stats		
Average	0.0767	
Std Dev	0.0012	
Rel Std Dev(%)	1.5061	

Operator's Signature

BK

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005290
03/24/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:58
Control Test	0.193	13:59
Air Blank	0.000	14:00
Control Test	0.194	14:00
Air Blank	0.000	14:01
Control Test	0.195	14:02
Air Blank	0.000	14:02
Control Test Stats		
Average	0.1940	
Std Dev	0.0010	
Rel Std Dev(%)	0.5155	

Operator's Signature

DGS

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005290
03/24/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:04
Control Test	0.082	14:04
Air Blank	0.000	14:04
Control Test	0.082	14:05
Air Blank	0.000	14:05
Control Test	0.081	14:06
Air Blank	0.000	14:06
Control Test Stats		
Average	0.0817	
Std Dev	0.0006	
Rel Std Dev(%)	0.7070	

Operator's Signature

Optical bench calibration adjustment data # 80-005290 Pinellas County S.O. 3/27/17 [initials]

```
PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000                SN 80-005250
03/27/2017                    11:40:34

Auto Calibration
Max Power Res Value = 46
Auto Range Res Value = 28

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l  %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12687, 9um Io = 13250
    <<<<<  CHANNEL 1  >>>>>
 Sample        % Abs     (% Abs Ref)
Sample #1 =  0.0250     (-0.0100)
Sample #2 =  0.0660     (-0.0110)
Sample #3 =  0.0330     (0.0060)
Sample #4 =  0.0840     (-0.0060)
Avg % Abs = 0.0610  (-0.0037)
STD DEV =  0.0259  (0.0087)
REL STD DEV = 42.402  (238.279)
   -------------------

    <<<<<  CHANNEL 2  >>>>>
 Sample        % Abs     (% Abs Ref)
Sample #1 =  0.1210     (-0.0010)
Sample #2 =  0.1490     (-0.0170)
Sample #3 =  0.1560     (-0.0360)
Sample #4 =  0.1840     (-0.0470)
Avg % Abs = 0.1630  (-0.0333)
STD DEV =  0.0185  (0.0152)
REL STD DEV = 11.362  (45.530)
   -------------------

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l  %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12682, 9um Io = 13252
    <<<<<  CHANNEL 1  >>>>>
 Sample        % Abs     (% Abs Ref)
Sample #1 =  0.7480     (-0.0070)
Sample #2 =  0.7840     (-0.0200)
Sample #3 =  0.7430     (0.0060)
Sample #4 =  0.7820     (0.0000)
Avg % Abs = 0.7697  (-0.0047)
STD DEV =  0.0231  (0.0136)
REL STD DEV = 3.003  (291.723)
   -------------------

    <<<<<  CHANNEL 2  >>>>>
 Sample        % Abs     (% Abs Ref)
Sample #1 =  1.5410     (-0.0020)
Sample #2 =  1.5960     (-0.0190)
Sample #3 =  1.5470     (0.0070)
Sample #4 =  1.5660     (-0.0120)
Avg % Abs = 1.5697  (-0.0080)
STD DEV =  0.0247  (0.0135)
REL STD DEV = 1.574  (168.170)
   -------------------

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l  %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12681, 9um Io = 13254
    <<<<<  CHANNEL 1  >>>>>
 Sample        % Abs     (% Abs Ref)
Sample #1 =  1.8550     (-0.0240)
Sample #2 =  1.8860     (-0.0020)
Sample #3 =  1.8220     (0.0310)
Sample #4 =  1.8460     (0.0120)
Avg % Abs = 1.8513  (0.0137)
STD DEV =  0.0323  (0.0166)
REL STD DEV = 1.746  (121.193)
   -------------------

    <<<<<  CHANNEL 2  >>>>>
 Sample        % Abs     (% Abs Ref)
Sample #1 =  3.6440     (0.0020)
Sample #2 =  3.6250     (0.0230)
Sample #3 =  3.6330     (0.0200)
Sample #4 =  3.6380     (0.0210)
Avg % Abs = 3.6320  (0.0213)
STD DEV =  0.0066  (0.0015)
REL STD DEV = 0.181  (7.160)
   -------------------

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l  %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12678, 9um Io = 13252
    <<<<<  CHANNEL 1  >>>>>
 Sample        % Abs     (% Abs Ref)
Sample #1 =  3.6400     (-0.0040)
Sample #2 =  3.6210     (0.0300)
Sample #3 =  3.6390     (0.0140)
Sample #4 =  3.6410     (0.0180)
Avg % Abs = 3.6337  (0.0207)
STD DEV =  0.0110  (0.0083)
REL STD DEV = 0.303  (40.290)
   -------------------

    <<<<<  CHANNEL 2  >>>>>
 Sample        % Abs     (% Abs Ref)
Sample #1 =  7.0060     (-0.0140)
Sample #2 =  6.9410     (0.0390)
Sample #3 =  6.9700     (0.0250)
Sample #4 =  6.9520     (0.0370)
Avg % Abs = 6.9543  (0.0337)
STD DEV =  0.0146  (0.0076)
REL STD DEV = 0.211  (22.491)
   -------------------

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l  %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12673, 9um Io = 13247
    <<<<<  CHANNEL 1  >>>>>
 Sample        % Abs     (% Abs Ref)
Sample #1 =  6.9230     (-0.0060)
Sample #2 =  6.8720     (0.0240)
Sample #3 =  6.8560     (0.0400)
Sample #4 =  6.8600     (0.0360)
Avg % Abs = 6.8627  (0.0333)
STD DEV =  0.0083  (0.0083)
REL STD DEV = 0.121  (24.980)
   -------------------

    <<<<<  CHANNEL 2  >>>>>
 Sample        % Abs     (% Abs Ref)
Sample #1 = 12.9410     (-0.0160)
Sample #2 = 12.8900     (0.0450)
Sample #3 = 12.8650     (0.0600)
Sample #4 = 12.8940     (0.0490)
Avg % Abs = 12.8830  (0.0513)
STD DEV =  0.0157  (0.0078)
REL STD DEV = 0.122  (15.131)
   -------------------
```

√@ BK

```
   ***** AUTO CAL DATA *****
   <<<<<  CHANNEL 1  >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
 % Abs =    0.061
  Std Dev =   0.03 Rel Std Dev =  42.40
Sol Val = 0.1905 mg/l or 0.040 g/210L
 % Abs =    0.770
  Std Dev =   0.02 Rel Std Dev =   3.00
Sol Val = 0.4762 mg/l or 0.100 g/210L
 % Abs =    1.851
  Std Dev =   0.03 Rel Std Dev =   1.75
Sol Val = 0.9524 mg/l or 0.200 g/210L
 % Abs =    3.634
  Std Dev =   0.01 Rel Std Dev =   0.30
Sol Val = 1.9048 mg/l or 0.400 g/210L
 % Abs =    6.863
  Std Dev =   0.01 Rel Std Dev =   0.12
Zero Order Coef = -104.15
First Order Coef = 2527.46
Second Order Coef =  38.10
Standard Deviation =  52.458080
   -------------------

   <<<<<  CHANNEL 2  >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
 % Abs =    0.163
  Std Dev =   0.02 Rel Std Dev =  11.36
Sol Val = 0.1905 mg/l or 0.040 g/210L
 % Abs =    1.570
  Std Dev =   0.02 Rel Std Dev =   1.57
Sol Val = 0.4762 mg/l or 0.100 g/210L
 % Abs =    3.632
  Std Dev =   0.01 Rel Std Dev =   0.18
Sol Val = 0.9524 mg/l or 0.200 g/210L
 % Abs =    6.954
  Std Dev =   0.01 Rel Std Dev =   0.21
Sol Val = 1.9048 mg/l or 0.400 g/210L
 % Abs =   12.883
  Std Dev =   0.02 Rel Std Dev =   0.12
Zero Order Coef = -184.43
First Order Coef = 1295.36
Second Order Coef =  15.27
Standard Deviation =  32.642830
   -------------------
```

```
---------------------------------------
: 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       0.0012       :
: 0.200      0.201      -0.0012       :
: 0.400      0.400       0.0003       :
---------------------------------------

---------------------------------------
: Solution Stats Quadratic Fit Chan 2 :
:  Act        Fit       Residual      :
: g/210L     g/210L     g/210L        :
: 0.000      0.001      -0.0006       :
: 0.040      0.040       0.0004       :
: 0.100      0.099       0.0008       :
: 0.200      0.201      -0.0008       :
: 0.400      0.400       0.0002       :
---------------------------------------
Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l  %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 =  3303.00
Sample #2 =  3368.00
Sample #3 =  3306.00
Sample #4 =  3355.00
Average Result = 3343.0000
STD DEV = 32.6956
REL STD DEV = 0.978
**********
***** CHANNEL 2
Sample #1 =  3222.00
Sample #2 =  3246.00
Sample #3 =  3246.00
Sample #4 =  3233.00
Average Result = 3241.6667
STD DEV = 7.5056
REL STD DEV = 0.232
**********
Dry Gas H20 Adjust Results **********
  Barometric Pressure = 1016
  3 um H20 Adjust (mg/l*10,000) = 466
  9 um H20 Adjust (mg/l*10,000) = 568
**** AUTO CAL PASS
```

Post-Cal Adjustment

Stability Checks # 80-005290 Pinellas County S.O. 3/27/17 [illegible]

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005290
03/27/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:58
Control Test	0.050	12:58
Air Blank	0.000	12:59
Control Test	0.049	13:00
Air Blank	0.000	13:00
Control Test	0.049	13:01
Air Blank	0.000	13:01
Control Test Stats		
Average	0.0493	
Std Dev	0.0006	
Rel Std Dev(%)	1.1703	

[illegible]
Operator's Signature

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005290
03/27/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:03
Control Test	0.078	13:04
Air Blank	0.000	13:04
Control Test	0.077	13:05
Air Blank	0.000	13:06
Control Test	0.078	13:06
Air Blank	0.000	13:07
Control Test Stats		
Average	0.0777	
Std Dev	0.0006	
Rel Std Dev(%)	0.7434	

Removed condensation from tubing. [illegible]

[illegible]
Operator's Signature

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005290
03/27/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:25
Control Test	0.078	13:26
Air Blank	0.000	13:26
Control Test	0.079	13:27
Air Blank	0.000	13:27
Control Test	0.079	13:28
Air Blank	0.000	13:29
Control Test Stats		
Average	0.0787	
Std Dev	0.0006	
Rel Std Dev(%)	0.7339	

BK

[illegible]
Operator's Signature

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005290
03/27/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:08
Control Test	0.196	13:09
Air Blank	0.000	13:10
Control Test	0.197	13:10
Air Blank	0.000	13:11
Control Test	0.198	13:12
Air Blank	0.000	13:12
Control Test Stats		
Average	0.1970	
Std Dev	0.0010	
Rel Std Dev(%)	0.5076	

[illegible]
Operator's Signature

DGS

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005290
03/27/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:15
Control Test	0.081	13:15
Air Blank	0.000	13:16
Control Test	0.081	13:16
Air Blank	0.000	13:17
Control Test	0.081	13:17
Air Blank	0.000	13:18
Control Test Stats		
Average	0.0810	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

[illegible]
Operator's Signature

Post-Dept. Inspection Stability Checks of
0.08 g/210L Solution to confirm initial low value was related to A/c turning on & blowing on simulator.

80-005290

Pinellas County S.O.

3/27/17

RWB

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005290
03/27/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:13
Control Test	0.077	15:14
Air Blank	0.000	15:15
Control Test	0.078	15:15
Air Blank	0.000	15:16
Control Test	0.078	15:17
Air Blank	0.000	15:17
Control Test	0.078	15:18
Air Blank	0.000	15:18
Control Test	0.078	15:19
Air Blank	0.000	15:20
Control Test	0.079	15:20
Air Blank	0.000	15:21
Control Test	0.079	15:21
Air Blank	0.000	15:22
Control Test	0.079	15:23
Air Blank	0.000	15:23
Control Test	0.079	15:24
Air Blank	0.000	15:25
Control Test	0.079	15:25
Air Blank	0.000	15:26

Control Test Stats

Average	0.0784	
Std Dev	0.0007	
Rel Std Dev(%)	0.8918	

BK

RWB
Operator's Signature