



Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Brevard CountyS/N 80-001253Date In 5/24/17Date Out 6/6/17☒ Ship ☐ P/U ☐ H/D ☐ CMI ☐ EE

Intake ☐ Registration ☒ Annual ☐ Return from CMI ☐ Return from Enforcement ☐ Electronics ☐ Other _____ Visual Inspection: ☒ Case ☒ Handle ☒ Dry Gas Holder ☒ Feet ☒ Keyboard/Plug ☒ Back/Plugs ☒ Screws tight ☒ Breath Hose Other Equipment: ☒ Power cord ☐ Printer Cable ☐ Other _____ Notes: _____ _____ _____ _____		Quality Checks Performed By <u>SP</u> ☒ Lab Temp °C <u>19.9</u> ☒ Breath Tube Screen <u>21.0</u> ☒ Replace External O-Rings ☒ Instrument Set Up Verified ☒ R-Value <u>179</u> ☒ Flow Verification (L/s) <u>ATP103</u> Flow Column # 32mm <u>.144</u> (.139 - .169) 36mm <u>.167</u> (.156 - .190) 53mm <u>.234</u> (.228 - .278) 103mm <u>.500</u> (.447 - .547) ☒ Barometric Pressure Check Gauge ID # <u>28427</u> ☒ Stability Checks		Flow Calibration Performed By _____ ☒ Flow Calibration N/A ☐ Flow Calibration Complete Flow Column # ☐ 5L/min - <u>17mm</u> ☐ 15L/min - <u>53mm</u> ☐ 30L/min - <u>103mm</u> ☐ 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 _____ Quality Checks Cont. Performed By <u>SP</u> Simulator Temperatures °C External Digital Therm. ID#: <u>300505</u> ☒ 34°C +/- .2 Serial #: <u>SD3962</u> ☒ 34°C +/- .2 Serial #: <u>SD3964</u> ☒ 34°C +/- .2 Serial #: <u>SD3933</u>			

Calibration Adjustment Performed By SP
☐ Calibration Adjustment N/A
☒ Calibration Adjustment Complete
 Barometric Pressure Gauge 1005 ID # 28421

Simulator	Serial Number	Lot Number	Expiration
0.000	<u>SD1019</u>	<u>N/A</u>	<u>N/A</u>
0.040	<u>SD1018</u>	<u>16320</u>	<u>10/21/18</u>
0.100	<u>SD1013</u>	<u>17060</u>	<u>2/14/19</u>
0.200	<u>SD1011</u>	<u>17090</u>	<u>2/24/19</u>
0.300	<u>DR1275</u>	<u>16410</u>	<u>12/19/18</u>
0.080 DGS	<u>N/A</u>	<u>15615050A2</u>	<u>7-5-17</u>

☒ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	<u>SD3962</u>	<u>201603D</u>	<u>3-8-18</u>
0.08	<u>SD3964</u>	<u>201611B</u>	<u>11-15-18</u>
0.20	<u>SD3933</u>	<u>201604C</u>	<u>4-5-18</u>
0.08 DGS	<u>N/A</u>	<u>AG626605</u>	<u>9-22-18</u>

Department Inspection Performed By SP
☒ Barometric Pressure
 ID# 28427 1005 Gauge
1005 Instrument

 Mouth Alcohol Solution Lot # 2016-C
 Acetone Stock Solution Lot # 2017-A

Simulator	Serial Number
0.00	<u>G2880</u>
Interferent	<u>G2834</u>
0.05	<u>SD3962</u>
0.08	<u>SD3964</u>
0.20	<u>SD3933</u>

Attachments
☒ Form 41
☒ Pre-Stability Tests
☐ Flow Calibration
☒ Calibration Adjustment
☒ Post-Stability Tests
☐ Other _____

Notes/Suggested Service:

Performed optical bench calibration
 adjustment to bring values closer
 to nominal. SP

QA/QC SPSP6/6/17

Quality Control Review

Date

☒ 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

STABILITY CHECKS - #80-001253 - BREVARD COUNTY SO

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000
05/31/2017
Software: 8100.27

SN 80-001253

Test	g/210L	Time
Air Blank	0.000	09:42
Control Test	0.049	09:42
Air Blank	0.000	09:43
Control Test	0.050	09:44
Air Blank	0.000	09:44
Control Test	0.050	09:45
Air Blank	0.000	09:45
Control Test Stats		
Average	0.0497	
Std Dev	0.0006	
Rel Std Dev(%)	1.1625	

SP

Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000
05/31/2017
Software: 8100.27

SN 80-001253

Test	g/210L	Time
Air Blank	0.000	09:36
Control Test	0.078	09:36
Air Blank	0.000	09:37
Control Test	0.078	09:38
Air Blank	0.000	09:38
Control Test	0.078	09:39
Air Blank	0.000	09:39
Control Test Stats		
Average	0.0780	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

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Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000
05/31/2017
Software: 8100.27

SN 80-001253

Test	g/210L	Time
Air Blank	0.000	09:30
Control Test	0.197	09:30
Air Blank	0.000	09:31
Control Test	0.194	09:32
Air Blank	0.000	09:32
Control Test	0.194	09:33
Air Blank	0.000	09:33
Control Test Stats		
Average	0.1950	
Std Dev	0.0017	
Rel Std Dev(%)	0.8882	

SP

Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000
05/31/2017
Software: 8100.27

SN 80-001253

Test	g/210L	Time
Air Blank	0.000	09:25
Control Test	0.077	09:25
Air Blank	0.000	09:26
Control Test	0.077	09:26
Air Blank	0.000	09:27
Control Test	0.076	09:27
Air Blank	0.000	09:28
Control Test Stats		
Average	0.0767	
Std Dev	0.0006	
Rel Std Dev(%)	0.7531	

DGS

SP

SP

Operator's Signature

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BREARD COUNTY S.O.

Intoxilyzer - Alcohol Analyzer

Model 8000

SN 80-001253

06/06/2017

08:20:38

Auto Calibration

Max Power Res Value = 40

Auto Range Res Value = 29

Sol Value = 0.000 g/210L ***

Fit Value = 0.0000 mg/l %%%

Samples Taken = 4, Discarded = 1

Sum Io = 12799, Sum Io = 14244

***** CHANNEL 1 *****

Sample % Abs (% Abs Ref)

Sample #1 = 0.1330 (0.0040)

Sample #2 = 0.1240 (0.0180)

Sample #3 = 0.1000 (0.0610)

Sample #4 = 0.1320 (0.0710)

Avg % Abs = 0.1187 (0.0500)

STD DEV = 0.0167 (0.0282)

REL STD DEV = 14.034 (56.321)

***** CHANNEL 2 *****

Sample % Abs (% Abs Ref)

Sample #1 = 0.1050 (-0.0070)

Sample #2 = 0.0880 (-0.0090)

Sample #3 = 0.0940 (0.0040)

Sample #4 = 0.1190 (0.0000)

Avg % Abs = 0.1003 (-0.0017)

STD DEV = 0.0164 (0.0067)

REL STD DEV = 16.387 (399.500)

***** CHANNEL 2 *****

Sample % Abs (% Abs Ref)

Sample #1 = 1.6040 (-0.0180)

Sample #2 = 1.5680 (0.0200)

Sample #3 = 1.5930 (0.0070)

Sample #4 = 1.5860 (0.0210)

Avg % Abs = 1.5823 (0.0160)

STD DEV = 0.0129 (0.0078)

REL STD DEV = 0.815 (48.814)

Sol Value = 0.100 g/210L ***

Fit Value = 0.4762 mg/l %%%

Samples Taken = 4, Discarded = 1

Sum Io = 12777, Sum Io = 14234

***** CHANNEL 1 *****

Sample % Abs (% Abs Ref)

Sample #1 = 1.9820 (-0.0020)

Sample #2 = 1.9930 (0.0100)

Sample #3 = 2.0050 (0.0370)

Sample #4 = 1.9990 (0.0480)

Avg % Abs = 1.9990 (0.0317)

STD DEV = 0.0060 (0.0196)

REL STD DEV = 0.300 (61.747)

***** CHANNEL 2 *****

Sample % Abs (% Abs Ref)

Sample #1 = 3.7860 (0.0000)

Sample #2 = 3.7920 (0.0290)

Sample #3 = 3.8130 (0.0290)

Sample #4 = 3.8080 (0.0410)

Avg % Abs = 3.8043 (0.0330)

STD DEV = 0.0110 (0.0069)

REL STD DEV = 0.288 (20.995)

Sol Value = 0.200 g/210L ***

Fit Value = 0.9524 mg/l %%%

Samples Taken = 4, Discarded = 1

Sum Io = 12770, Sum Io = 14230

***** CHANNEL 1 *****

Sample % Abs (% Abs Ref)

Sample #1 = 3.7250 (0.0020)

Sample #2 = 3.6730 (0.0430)

Sample #3 = 3.7000 (0.0630)

Sample #4 = 3.7250 (0.0650)

Avg % Abs = 3.6993 (0.0570)

STD DEV = 0.0260 (0.0122)

REL STD DEV = 0.703 (21.343)

Sol Value = 0.040 g/210L ***

Fit Value = 0.1905 mg/l %%%

Samples Taken = 4, Discarded = 1

Sum Io = 12787, Sum Io = 14242

***** CHANNEL 1 *****

Sample % Abs (% Abs Ref)

Sample #1 = 0.8590 (0.0010)

Sample #2 = 0.8720 (-0.0020)

Sample #3 = 0.8710 (0.0200)

Sample #4 = 0.8480 (0.0530)

Avg % Abs = 0.8637 (0.0237)

STD DEV = 0.0136 (0.0277)

REL STD DEV = 1.572 (116.969)

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

***** CHANNEL 1 *****

Sol Val = 0.0000 mg/l or 0.000 g/210L

% Abs = 0.119

Std Dev = 0.02 Rel Std Dev = 14.03

Sol Val = 0.1905 mg/l or 0.040 g/210L

% Abs = 0.864

Std Dev = 0.01 Rel Std Dev = 1.57

Sol Val = 0.4762 mg/l or 0.100 g/210L

% Abs = 1.999

Std Dev = 0.01 Rel Std Dev = 0.30

Sol Val = 0.9524 mg/l or 0.200 g/210L

% Abs = 3.699

Std Dev = 0.03 Rel Std Dev = 0.70

Sol Val = 1.4286 mg/l or 0.300 g/210L

% Abs = 5.473

Std Dev = 0.01 Rel Std Dev = 0.18

Zero Order Coef = -327.39

First Order Coef = 2552.18

Second Order Coef = 22.64

Standard Deviation = 74.751266

***** CHANNEL 2 *****

Sol Val = 0.0000 mg/l or 0.000 g/210L

% Abs = 0.100

Std Dev = 0.02 Rel Std Dev = 16.39

Sol Val = 0.1905 mg/l or 0.040 g/210L

% Abs = 1.582

Std Dev = 0.01 Rel Std Dev = 0.82

Sol Val = 0.4762 mg/l or 0.100 g/210L

% Abs = 3.804

Std Dev = 0.01 Rel Std Dev = 0.29

Sol Val = 0.9524 mg/l or 0.200 g/210L

% Abs = 7.151

Std Dev = 0.03 Rel Std Dev = 0.42

Sol Val = 1.4286 mg/l or 0.300 g/210L

% Abs = 10.504

Std Dev = 0.01 Rel Std Dev = 0.13

Zero Order Coef = -141.56

First Order Coef = 1269.62

Second Order Coef = 10.10

Standard Deviation = 52.514420

Solution Stats Quadratic Fit Chan 1

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	-0.001	0.0005
0.040	0.040	0.0002
0.100	0.102	-0.0022
0.200	0.198	0.0021
0.300	0.301	-0.0007

Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	-0.000	0.0003
0.040	0.040	0.0003
0.100	0.102	-0.0015
0.200	0.199	0.0015
0.300	0.300	-0.0005

Sol Value = 0.080 g/210L ***

Fit Value = 0.3810 mg/l %%%

Samples Taken = 4, Discarded = 1

***** CHANNEL 1 *****

Sample #1 = 2742.00

Sample #2 = 2794.00

Sample #3 = 2744.00

Sample #4 = 2772.00

Average Result = 2770.0000

STD DEV = 25.0599

REL STD DEV = 0.905

***** CHANNEL 2 *****

Sample #1 = 3300.00

Sample #2 = 3347.00

Sample #3 = 3301.00

Sample #4 = 3331.00

Average Result = 3326.3333

STD DEV = 23.3524

REL STD DEV = 0.702

***** CHANNEL 1 *****

Dry Gas H2O Adjust Results *****

Barometric Pressure = 1005

3 um H2O Adjust (mg/l*10,000) = 1039

9 um H2O Adjust (mg/l*10,000) = 483

***** AUTO CAL PASS *****

CALIBRATION
ADJUSTMENT SP

#80-001253

POST-CALIBRATION STABILITY CHECKS - # 80-001253 - BREVARD CSO

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001253
06/06/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:49
Control Test	0.051	09:50
Air Blank	0.000	09:50
Control Test	0.051	09:51
Air Blank	0.000	09:52
Control Test	0.050	09:52
Air Blank	0.000	09:53
Control Test Stats		
Average	0.0507	
Std Dev	0.0006	
Rel Std Dev(%)	1.1395	

SP

Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001253
06/06/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:39
Control Test	0.081	09:40
Air Blank	0.000	09:40
Control Test	0.081	09:41
Air Blank	0.000	09:41
Control Test	0.081	09:42
Air Blank	0.000	09:43
Control Test Stats		
Average	0.0810	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

SP

Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001253
06/06/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:34
Control Test	0.199	09:35
Air Blank	0.000	09:35
Control Test	0.199	09:36
Air Blank	0.000	09:37
Control Test	0.200	09:37
Air Blank	0.000	09:38
Control Test Stats		
Average	0.1993	
Std Dev	0.0006	
Rel Std Dev(%)	0.2896	

SP

Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001253
06/06/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:22
Control Test	0.081	09:22
Air Blank	0.000	09:23
Control Test	0.081	09:23
Air Blank	0.000	09:24
Control Test	0.080	09:24
Air Blank	0.000	09:24
Control Test Stats		
Average	0.0807	
Std Dev	0.0006	
Rel Std Dev(%)	0.7157	

DAS

SP

Operator's Signature

SP