FDLE

Florida Department of Law Enforcement

INSTRUMENT PROCESSING SHEET

Agency FHP

S/N ~~80-006413~~ 80-003413

Date In 12/7/17 DI Completion Date 12/8/17 ☒Ship ☐P/U ☐H/D ☐CMI ☐EE

Intake Performed By [initials]

☑ Annual
☐ Registration
☐ Return from CMI / EE

Visual Inspection:
☑ Case ☑ Handle
☑ Keyboard ☑ Dry Gas Shelf
☑ Feet ☑ Breath Tube
☑ Ports ☑ Screws Tight

Other Equipment/ Accessories:
☐ Power cord ☐ Printer Cable
☑ Static Bag ☐ 12V DC Cable

Notes:

Final Release Date

FDLE
DEC 11 2017
Alcohol Testing Program

Quality Checks Performed By [initials]

☒ Breath Tube Screen
☒ Replace External O-Rings
☒ Instrument Set Up Verified
☒ R-Value 177
☒ Flow Verification (L/s)

Flow Column # ATP105

32 mm	.164	(.139 - .169)
36 mm	.175	(.156 - .190)
53 mm	.253	(.228 - .278)
103 mm	.511	(.447 - .547)

☑ Barometric Pressure Check
Gauge ID # 28421
☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	G2835	201707D 7/25/19
0.080	DR1279	201707E 7/25/19
0.200	SD1025	201707C 7/24/19
0.080 DGS	N/A	AG715202 6/1/19

Flow Calibration Performed By

Flow Column #
☐ 5L/min – 17mm
☐ 15L/min – 53mm
☐ 30L/min – 103mm
☐ R-Value
☐ Post Calibration Verification (L/s)
Flow Column #

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

Maintenance Performed By

☐ Battery Replacement
☐ Dry Gas Regulator Replacement
☐ Breath Tube Replacement
☐ Other

Temperature Checks Performed By [initials]

☒ Lab Temp °C 22.2
External Digital Therm. ID#: 300505
☒ 34°C +-.2 Serial #: G2835
☒ 34°C +-.2 Serial #: DR1279
☒ 34°C +-.2 Serial #: SD1025

Calibration Adjustment Performed By [initials]

Barometric Pressure Gauge 1011 ID # 30793

Simulator	Serial Number	Lot Number	Expiration
0.000	SD1016	N/A	N/A
0.040	SD1024	16320	10/21/18
0.100	G2834	17280	9/11/19
0.200	SD1011	17090	2/24/19
0.300	DR1275	16410	12/19/18
0.080 DGS	N/A	17817080A2	8/5/19

☒ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.050	G2835	201707D	7/25/19
0.080	DR1279	201707E	7/25/19
0.200	SD1025	201707C	7/24/19
0.080 DGS	N/A	AG715202	6/1/19

Department Inspection Performed By [initials]

Barometric Pressure ID# 28421
Gauge 1010 Instrument 1010
Mouth Alcohol Solution Lot # 2016-C
Acetone Stock Solution Lot # 2017-A

Simulator	Serial Number
0.000	G2880
Interferent	G2840
0.050	G2835
0.080	DR1279
0.200	SD1025

Attachments

☒ Form 41 ☐ Flow Calibration
☒ Stability Checks ☐ Form 40
☒ Calibration Adjustment ☐ Other
☒ Post-Stability Checks

Notes/Suggested Service:
performed calibration adjust to bring barometric readings closer to nominal

☒ **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**

SP 12/11/17 [signature] 12/11/17
Tech Review / Date Admin Review / Date

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-003413
12/08/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:03
Control Test	0.050	08:04
Air Blank	0.000	08:04
Control Test	0.050	08:05
Air Blank	0.000	08:06
Control Test	0.050	08:06
Air Blank	0.000	08:07
Control Test Stats		
Average	0.0500	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

P Murphy
Operator's Signature

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-003413
12/08/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	07:58
Control Test	0.080	07:58
Air Blank	0.000	07:59
Control Test	0.082	07:59
Air Blank	0.000	08:00
Control Test	0.082	08:01
Air Blank	0.000	08:01
Control Test Stats		
Average	0.0813	
Std Dev	0.0012	
Rel Std Dev(%)	1.4197	

P Murphy
Operator's Signature

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-003413
12/08/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:09
Control Test	0.204	08:09
Air Blank	0.000	08:10
Control Test	0.205	08:11
Air Blank	0.000	08:11
Control Test	0.205	08:12
Air Blank	0.000	08:12
Control Test Stats		
Average	0.2047	
Std Dev	0.0006	
Rel Std Dev(%)	0.2821	

P Murphy
Operator's Signature

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-003413
12/08/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:33
Control Test	0.081	08:33
Air Blank	0.000	08:34
Control Test	0.081	08:34
Air Blank	0.000	08:34
Control Test	0.081	08:35
Air Blank	0.000	08:35
Control Test Stats		
Average	0.0810	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

DGS

P Murphy
Operator's Signature

SP

12/11/17
JJ

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-003413
12/08/2017 08:52:29

Auto Calibration
Max Power Res Value = 82
Auto Range Res Value = 60

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12635, 9um Io = 12962
<<<<< CHANNEL 1 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 0.0780 (-0.0070)
Sample #2 = 0.0830 (0.0130)
Sample #3 = 0.0620 (0.0400)
Sample #4 = 0.0880 (0.0510)
Avg % Abs = 0.0777 (0.0347)
STD DEV = 0.0138 (0.0196)
REL STD DEV = 17.763 (56.404)

<<<<< CHANNEL 2 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 0.1440 (-0.0130)
Sample #2 = 0.1330 (-0.0050)
Sample #3 = 0.1160 (-0.0010)
Sample #4 = 0.1320 (0.0060)
Avg % Abs = 0.1270 (0.0000)
STD DEV = 0.0095 (0.0056)
REL STD DEV = 7.511 (0.000)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12622, 9um Io = 12959
<<<<< CHANNEL 1 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 0.7290 (-0.0040)
Sample #2 = 0.7690 (-0.0120)
Sample #3 = 0.7820 (-0.0060)
Sample #4 = 0.7270 (0.0250)
Avg % Abs = 0.7593 (0.0023)
STD DEV = 0.0287 (0.0199)
REL STD DEV = 3.786 (851.050)

<<<<< CHANNEL 2 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 1.4810 (0.0000)
Sample #2 = 1.5050 (-0.0040)
Sample #3 = 1.5050 (-0.0040)
Sample #4 = 1.5000 (0.0090)
Avg % Abs = 1.5033 (0.0003)
STD DEV = 0.0029 (0.0075)
REL STD DEV = 0.192 (2251.668)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12617, 9um Io = 12958
<<<<< CHANNEL 1 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 1.8050 (-0.0140)
Sample #2 = 1.7540 (0.0230)
Sample #3 = 1.7550 (0.0360)
Sample #4 = 1.7970 (0.0180)
Avg % Abs = 1.7687 (0.0257)
STD DEV = 0.0245 (0.0093)
REL STD DEV = 1.388 (36.201)

<<<<< CHANNEL 2 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 3.5480 (-0.0060)
Sample #2 = 3.5510 (0.0060)
Sample #3 = 3.5450 (0.0200)
Sample #4 = 3.5730 (0.0040)
Avg % Abs = 3.5563 (0.0100)
STD DEV = 0.0147 (0.0087)
REL STD DEV = 0.415 (87.178)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12612, 9um Io = 12956
<<<<< CHANNEL 1 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 3.4870 (-0.0150)
Sample #2 = 3.4570 (0.0150)
Sample #3 = 3.4630 (0.0090)
Sample #4 = 3.4940 (0.0100)
Avg % Abs = 3.4713 (0.0113)
STD DEV = 0.0199 (0.0032)
REL STD DEV = 0.572 (28.364)

<<<<< CHANNEL 2 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 6.8380 (0.0000)
Sample #2 = 6.8290 (0.0160)
Sample #3 = 6.8430 (0.0180)
Sample #4 = 6.8670 (0.0100)
Avg % Abs = 6.8463 (0.0147)
STD DEV = 0.0192 (0.0042)
REL STD DEV = 0.281 (28.386)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12606, 9um Io = 12952
<<<<< CHANNEL 1 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 5.0780 (-0.0150)
Sample #2 = 5.1070 (-0.0020)
Sample #3 = 5.1170 (-0.0120)
Sample #4 = 5.0840 (0.0100)
Avg % Abs = 5.1027 (-0.0013)
STD DEV = 0.0169 (0.0110)
REL STD DEV = 0.332 (826.135)

<<<<< CHANNEL 2 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 9.9040 (0.0060)
Sample #2 = 9.9350 (0.0110)
Sample #3 = 9.9650 (-0.0130)
Sample #4 = 9.9260 (0.0100)
Avg % Abs = 9.9420 (0.0027)
STD DEV = 0.0204 (0.0136)
REL STD DEV = 0.205 (509.135)

***** 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 = 17.76
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.759
Std Dev = 0.03 Rel Std Dev = 3.79
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.769
Std Dev = 0.02 Rel Std Dev = 1.39
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.471
Std Dev = 0.02 Rel Std Dev = 0.57
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.103
Std Dev = 0.02 Rel Std Dev = 0.33
Zero Order Coef = -201.52
First Order Coef = 2759.98
Second Order Coef = 15.02
Standard Deviation = 26.875963

<<<<< CHANNEL 2 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.127
Std Dev = 0.01 Rel Std Dev = 7.51
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.503
Std Dev = 0.00 Rel Std Dev = 0.19
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.556
Std Dev = 0.01 Rel Std Dev = 0.41
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.846
Std Dev = 0.02 Rel Std Dev = 0.28
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.942
Std Dev = 0.02 Rel Std Dev = 0.21
Zero Order Coef = -153.85
First Order Coef = 1339.43
Second Order Coef = 11.27
Standard Deviation = 17.739388

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	0.0007
0.200	0.201	-0.0008
0.300	0.300	0.0003

12/11/17
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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	0.0004
0.100	0.100	0.0002
0.200	0.200	-0.0004
0.300	0.300	0.0002

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3414.00
Sample #2 = 3423.00
Sample #3 = 3398.00
Sample #4 = 3423.00
Average Result = 3414.6667
STD DEV = 14.4338
REL STD DEV = 0.423
****
***** CHANNEL 2
Sample #1 = 3486.00
Sample #2 = 3483.00
Sample #3 = 3505.00
Sample #4 = 3496.00
Average Result = 3494.6667
STD DEV = 11.0604
REL STD DEV = 0.316
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1011
3 um H20 Adjust (mg/l*10,000) = 395
9 um H20 Adjust (mg/l*10,000) = 315
**** AUTO CAL PASS

Post Calibration
Adjust Stabilities

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-003413
12/08/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:40
Control Test	0.049	09:41
Air Blank	0.000	09:41
Control Test	0.050	09:42
Air Blank	0.000	09:42
Control Test	0.050	09:43
Air Blank	0.000	09:43

Control Test Stats
Average 0.0497
Std Dev 0.0006
Rel Std Dev(%) 1.1625

P. Murphy
Operator's Signature

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-003413
12/08/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:35
Control Test	0.080	09:36
Air Blank	0.000	09:36
Control Test	0.080	09:37
Air Blank	0.000	09:38
Control Test	0.081	09:38
Air Blank	0.000	09:39

Control Test Stats
Average 0.0803
Std Dev 0.0006
Rel Std Dev(%) 0.7187

P. Murphy
Operator's Signature

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-003413
12/08/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:51
Control Test	0.200	09:51
Air Blank	0.000	09:52
Control Test	0.200	09:53
Air Blank	0.000	09:53
Control Test	0.200	09:54
Air Blank	0.000	09:54

Control Test Stats
Average 0.2000
Std Dev 0.0000
Rel Std Dev(%) 0.0000

P. Murphy
Operator's Signature

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-003413
12/08/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:46
Control Test	0.079	09:46
Air Blank	0.000	09:46
Control Test	0.079	09:47
Air Blank	0.000	09:47
Control Test	0.080	09:48
Air Blank	0.000	09:48

Control Test Stats
Average 0.0793
Std Dev 0.0006
Rel Std Dev(%) 0.7277

DGS

P. Murphy
Operator's Signature

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12/11/17
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