FDLE
Florida Department of Law Enforcement

INSTRUMENT PROCESSING SHEET

Agency Patrick AFB S/N 80-005146

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

Intake Performed By

☑ 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 12 2017
Alcohol Testing Program

Quality Checks Performed By SP

☒ Breath Tube Screen
☒ Replace External O-Rings
☒ Instrument Set Up Verified
☒ R-Value 174
☒ Flow Verification (L/s)

Flow Column # ATP102

32 mm	.148	(.139 - .169)
36 mm	.164	(.156 - .190)
53 mm	.234	(.228 - .278)
103 mm	.507	(.447 - .547)

☒ Barometric Pressure Check
Gauge ID # 28421
☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	SD3962	201707D 7-25-19
0.080	SD1013	201707E 7-25-19
0.200	DR3856	201707C 7-24-19
0.080 DGS	N/A	AG626604 9-22-18

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 SP

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

Temperature Checks Performed By SP

☒ Lab Temp °C 21.7
External Digital Therm. ID#: 300505
☒ 34°C +-.2 Serial #: SD3962
☒ 34°C +-.2 Serial #: SD1013
☒ 34°C +-.2 Serial #: DR3856

Calibration Adjustment Performed By SP

Barometric Pressure Gauge 1013 ID # 30793

Simulator	Serial Number	Lot Number	Expiration
0.000	SD1016	N/A	N/A
0.040	SD1018	16320	10-21-18
0.100	G2834	17280	9-11-19
0.200	SD1011	17090	2-24-19
0.300	DR1275	17140	5-15-19
0.080 DGS	N/A	17817080A2	8-5-19

☒ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.050	SD3962	201707D	7-25-19
0.080	SD1013	201707E	7-25-19
0.200	DR3856	201707C	7-24-19
0.080 DGS	N/A	AG626604	9-22-18

Department Inspection Performed By SP

Barometric Pressure ID# 28421
Gauge 1012 Instrument 1013
Mouth Alcohol Solution Lot # 2016-C
Acetone Stock Solution Lot # 2017-A

Simulator	Serial Number
0.000	SD1019
Interferent	SD1021
0.050	SD3962
0.080	SD1013
0.200	DR3856

Attachments

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

Notes/Suggested Service:

☒ **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**

12/12/17 Tech Review / Date
12/12/17 Admin Review / Date

STABILITY CHECKS # 80-005146

PATRICK AFB
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005146
12/12/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:08
Control Test	0.050	09:08
Air Blank	0.000	09:09
Control Test	0.050	09:10
Air Blank	0.000	09:10
Control Test	0.050	09:11
Air Blank	0.000	09:11
Control Test Stats		
Average	0.0500	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

SP
Operator's Signature

PATRICK AFB
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005146
12/12/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:12
Control Test	0.083	09:13
Air Blank	0.000	09:14
Control Test	0.083	09:14
Air Blank	0.000	09:15
Control Test	0.083	09:16
Air Blank	0.000	09:16
Control Test Stats		
Average	0.0830	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

SP
Operator's Signature

PATRICK AFB
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005146
12/12/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:17
Control Test	0.201	09:18
Air Blank	0.000	09:19
Control Test	0.201	09:19
Air Blank	0.000	09:20
Control Test	0.201	09:21
Air Blank	0.000	09:21
Control Test Stats		
Average	0.2010	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

SP
Operator's Signature

PATRICK AFB
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005146
12/12/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:03
Control Test	0.080	09:04
Air Blank	0.000	09:04
Control Test	0.078	09:04
Air Blank	0.000	09:05
Control Test	0.079	09:05
Air Blank	0.000	09:06
Control Test Stats		
Average	0.0790	
Std Dev	0.0010	
Rel Std Dev(%)	1.2658	

DGS

SP
Operator's Signature

12/12/17

PATRICK AFB
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005146
12/12/2017 10:24:33

Auto Calibration
Max Power Res Value = 33
Auto Range Res Value = 16

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12611, 9um Io = 12470
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0790	(0.0000)
Sample #2 =	0.0720	(0.0540)
Sample #3 =	0.1210	(0.0690)
Sample #4 =	0.0950	(0.1030)

Avg % Abs = 0.0960 (0.0753)
STD DEV = 0.0245 (0.0251)
REL STD DEV = 25.537 (33.327)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0950	(0.0010)
Sample #2 =	0.1220	(0.0060)
Sample #3 =	0.1480	(0.0200)
Sample #4 =	0.1530	(0.0090)

Avg % Abs = 0.1410 (0.0117)
STD DEV = 0.0166 (0.0074)
REL STD DEV = 11.804 (63.181)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12588, 9um Io = 12460
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8130	(-0.0010)
Sample #2 =	0.8120	(0.0220)
Sample #3 =	0.8250	(0.0250)
Sample #4 =	0.7790	(0.0550)

Avg % Abs = 0.8053 (0.0340)
STD DEV = 0.0237 (0.0182)
REL STD DEV = 2.945 (53.671)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4850	(-0.0150)
Sample #2 =	1.4840	(-0.0110)
Sample #3 =	1.4760	(0.0000)
Sample #4 =	1.5040	(0.0040)

Avg % Abs = 1.4880 (-0.0023)
STD DEV = 0.0144 (0.0078)
REL STD DEV = 0.969 (332.891)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12580, 9um Io = 12457
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.9000	(-0.0090)
Sample #2 =	1.8810	(0.0100)
Sample #3 =	1.8870	(0.0200)
Sample #4 =	1.9210	(0.0180)

Avg % Abs = 1.8963 (0.0160)
STD DEV = 0.0216 (0.0053)
REL STD DEV = 1.138 (33.072)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4760	(0.0040)
Sample #2 =	3.4610	(0.0060)
Sample #3 =	3.4860	(-0.0060)
Sample #4 =	3.4880	(0.0120)

Avg % Abs = 3.4783 (0.0040)
STD DEV = 0.0150 (0.0092)
REL STD DEV = 0.433 (229.129)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12574, 9um Io = 12456
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6360	(-0.0210)
Sample #2 =	3.6030	(0.0150)
Sample #3 =	3.6310	(0.0030)
Sample #4 =	3.6530	(0.0130)

Avg % Abs = 3.6290 (0.0103)
STD DEV = 0.0251 (0.0064)
REL STD DEV = 0.691 (62.217)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.6010	(-0.0050)
Sample #2 =	6.6120	(0.0190)
Sample #3 =	6.6490	(0.0110)
Sample #4 =	6.6730	(0.0140)

Avg % Abs = 6.6447 (0.0147)
STD DEV = 0.0307 (0.0040)
REL STD DEV = 0.462 (27.555)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12572, 9um Io = 12454
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.3050	(-0.0080)
Sample #2 =	5.2900	(0.0390)
Sample #3 =	5.2610	(0.0520)
Sample #4 =	5.2770	(0.0440)

Avg % Abs = 5.2760 (0.0450)
STD DEV = 0.0145 (0.0066)
REL STD DEV = 0.275 (14.572)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.5810	(-0.0130)
Sample #2 =	9.5830	(0.0280)
Sample #3 =	9.5640	(0.0410)
Sample #4 =	9.6150	(0.0360)

Avg % Abs = 9.5873 (0.0350)
STD DEV = 0.0258 (0.0066)
REL STD DEV = 0.269 (18.736)

***** AUTO CAL DATA *****
<<<<< CHANNEL 1 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.096
Std Dev = 0.02 Rel Std Dev = 25.54
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.805
Std Dev = 0.02 Rel Std Dev = 2.94
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.896
Std Dev = 0.02 Rel Std Dev = 1.14
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.629
Std Dev = 0.03 Rel Std Dev = 0.69
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.276
Std Dev = 0.01 Rel Std Dev = 0.28
Zero Order Coef = -220.52
First Order Coef = 2562.40
Second Order Coef = 35.17
Standard Deviation = 25.341089

<<<<< CHANNEL 2 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.141
Std Dev = 0.02 Rel Std Dev = 11.80
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.488
Std Dev = 0.01 Rel Std Dev = 0.97
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.478
Std Dev = 0.02 Rel Std Dev = 0.43
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.645
Std Dev = 0.03 Rel Std Dev = 0.46
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.587
Std Dev = 0.03 Rel Std Dev = 0.27
Zero Order Coef = -176.21
First Order Coef = 1363.97
Second Order Coef = 14.96
Standard Deviation = 18.862787

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.001	-0.0005
0.040	0.039	0.0008
0.100	0.100	-0.0001
0.200	0.200	-0.0004
0.300	0.300	0.0002

12/12/17
SP

CAL ADJUSTMENT
80-005146 SP

POST CAL ADJUSTMENT
STABILITY CHECKS

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	0.0003
0.200	0.200	-0.0005
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 = 3417.00
Sample #2 = 3279.00
Sample #3 = 3342.00
Sample #4 = 3350.00
Average Result = 3323.6667
STD DEV = 38.8887
REL STD DEV = 1.170
****
***** CHANNEL 2
Sample #1 = 3397.00
Sample #2 = 3364.00
Sample #3 = 3363.00
Sample #4 = 3375.00
Average Result = 3367.3333
STD DEV = 6.6583
REL STD DEV = 0.198
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1013
3 um H20 Adjust (mg/l*10,000) = 486
9 um H20 Adjust (mg/l*10,000) = 442
**** AUTO CAL PASS

PATRICK AFB
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005146
12/12/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:26
Control Test	0.049	11:27
Air Blank	0.000	11:28
Control Test	0.049	11:28
Air Blank	0.000	11:29
Control Test	0.049	11:30
Air Blank	0.000	11:30

Control Test Stats
Average 0.0490
Std Dev 0.0000
Rel Std Dev(%) 0.0000

SP
Operator's Signature

PATRICK AFB
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005146
12/12/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:17
Control Test	0.080	11:18
Air Blank	0.000	11:18
Control Test	0.082	11:19
Air Blank	0.000	11:19
Control Test	0.082	11:20
Air Blank	0.000	11:21

Control Test Stats
Average 0.0813
Std Dev 0.0012
Rel Std Dev(%) 1.4197

SP
Operator's Signature

(2)

PATRICK AFB
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005146
12/12/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:12
Control Test	0.199	11:13
Air Blank	0.000	11:13
Control Test	0.201	11:14
Air Blank	0.000	11:15
Control Test	0.200	11:15
Air Blank	0.000	11:16

Control Test Stats
Average 0.2000
Std Dev 0.0010
Rel Std Dev(%) 0.5000

SP
Operator's Signature

PATRICK AFB
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005146
12/12/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:22
Control Test	0.080	11:22
Air Blank	0.000	11:23
Control Test	0.080	11:23
Air Blank	0.000	11:24
Control Test	0.080	11:24
Air Blank	0.000	11:25

Control Test Stats
Average 0.0800
Std Dev 0.0000
Rel Std Dev(%) 0.0000

DGS

SP
Operator's Signature

12/12/17
JD