FDLE

Florida Department of Law Enforcement

INSTRUMENT PROCESSING SHEET

Agency Port Orange PD S/N 80-005402

Date In 11/13/17 DI Completion Date 11/20/2017 ☒ 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

NOV 21 2017

Quality Checks Performed By [initials]

☒ Breath Tube Screen
☒ Replace External O-Rings
☒ Instrument Set Up Verified
☒ R-Value 163
☒ Flow Verification (L/s)

Flow Column # ATP105

32 mm .160 (.139 - .169)
36 mm .171 (.156 - .190)
53 mm .230 (.228 - .278)
103 mm .496 (.447 - .547)

☒ Barometric Pressure Check

Gauge ID # 28427

☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	62835	2017070 7/25/19
0.080	DR1279	201707E 7/25/19
0.200	SD1025	201707C 7/24/19
0.080 DGS	N/A	AG619605 7/14/18

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 ____

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

Temperature Checks Performed By [initials]

☒ Lab Temp °C 22.0

External Digital Therm. ID#: 300504

☒ 34°C +-.2 Serial #: 62835
☒ 34°C +-.2 Serial #: DR1279
☒ 34°C +-.2 Serial #: SD1025

Calibration Adjustment Performed By [initials]

Barometric Pressure Gauge 1022 ID # 28421

Simulator	Serial Number	Lot Number	Expiration
0.000	SD1016	N/A	N/A
0.040	SD1024	16320	10/21/18
0.100	62834	17060	2/14/19
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	62835	2017070	7/25/19
0.080	DR1279	201707E	7/25/19
0.200	SD1025	201707C	7/24/19
0.080 DGS	N/A	AG619605	7/14/18

Department Inspection Performed By [initials]

Barometric Pressure ID# 28427

Gauge 1022 Instrument 1021

Mouth Alcohol Solution Lot # 2016-C

Acetone Stock Solution Lot # 2017-A

Simulator	Serial Number
0.000	62880
Interferent	62840
0.050	62835
0.080	DR1279
0.200	SD1025

Attachments

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

Notes/Suggested Service: All values within specifications, performed calibration adjust to bring barometer 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**

[signature] 11/20/17 [signature] 11/21/17

Tech Review / Date Admin Review / Date

PORT ORANGE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005402
11/16/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:36
Control Test	0.049	09:37
Air Blank	0.000	09:37
Control Test	0.050	09:38
Air Blank	0.000	09:38
Control Test	0.050	09:39
Air Blank	0.000	09:40

Control Test Stats

Average	0.0497
Std Dev	0.0006
Rel Std Dev(%)	1.1625

P Murphy
Operator's Signature

PORT ORANGE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005402
11/16/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:29
Control Test	0.080	09:30
Air Blank	0.000	09:30
Control Test	0.080	09:31
Air Blank	0.000	09:31
Control Test	0.079	09:32
Air Blank	0.000	09:33

Control Test Stats

Average	0.0797
Std Dev	0.0006
Rel Std Dev(%)	0.7247

P Murphy
Operator's Signature

PORT ORANGE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005402
11/16/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:46
Control Test	0.200	09:47
Air Blank	0.000	09:48
Control Test	0.200	09:48
Air Blank	0.000	09:49
Control Test	0.200	09:50
Air Blank	0.000	09:50

Control Test Stats

Average	0.2000
Std Dev	0.0000
Rel Std Dev(%)	0.0000

P Murphy
Operator's Signature

PORT ORANGE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005402
11/16/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:52
Control Test	0.082	09:53
Air Blank	0.000	09:53
Control Test	0.082	09:54
Air Blank	0.000	09:54
Control Test	0.082	09:54
Air Blank	0.000	09:55

Control Test Stats

Average	0.0820
Std Dev	0.0000
Rel Std Dev(%)	0.0000

DGS

P Murphy
Operator's Signature

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PORT ORANGE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005402
11/20/2017 09:01:36

Auto Calibration
Max Power Res Value = 37
Auto Range Res Value = 16

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12551, 9um Io = 12780
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1190	(-0.0190)
Sample #2 =	0.0490	(0.0460)
Sample #3 =	0.1010	(0.0500)
Sample #4 =	0.1110	(0.0640)

Avg % Abs = 0.0870 (0.0533)
STD DEV = 0.0333 (0.0095)
REL STD DEV = 38.260 (17.722)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1690	(-0.0160)
Sample #2 =	0.1600	(0.0120)
Sample #3 =	0.1820	(-0.0130)
Sample #4 =	0.1610	(0.0020)

Avg % Abs = 0.1677 (0.0003)
STD DEV = 0.0124 (0.0126)
REL STD DEV = 7.409 (3774.917)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12535, 9um Io = 12774
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8000	(-0.0110)
Sample #2 =	0.7590	(0.0140)
Sample #3 =	0.7270	(0.0620)
Sample #4 =	0.7950	(0.0420)

Avg % Abs = 0.7603 (0.0393)
STD DEV = 0.0340 (0.0241)
REL STD DEV = 4.474 (61.299)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5290	(-0.0110)
Sample #2 =	1.5150	(0.0110)
Sample #3 =	1.4920	(0.0150)
Sample #4 =	1.5150	(0.0110)

Avg % Abs = 1.5073 (0.0123)
STD DEV = 0.0133 (0.0023)
REL STD DEV = 0.881 (18.725)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12523, 9um Io = 12768
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8100	(-0.0140)
Sample #2 =	1.8100	(0.0100)
Sample #3 =	1.8470	(0.0050)
Sample #4 =	1.7880	(0.0420)

Avg % Abs = 1.8150 (0.0190)
STD DEV = 0.0298 (0.0201)
REL STD DEV = 1.643 (105.657)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5390	(0.0010)
Sample #2 =	3.5550	(-0.0060)
Sample #3 =	3.5570	(0.0060)
Sample #4 =	3.5420	(0.0290)

Avg % Abs = 3.5513 (0.0097)
STD DEV = 0.0081 (0.0178)
REL STD DEV = 0.229 (183.991)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12520, 9um Io = 12765
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5480	(-0.0100)
Sample #2 =	3.4860	(0.0440)
Sample #3 =	3.5040	(0.0340)
Sample #4 =	3.4890	(0.0650)

Avg % Abs = 3.4930 (0.0477)
STD DEV = 0.0096 (0.0158)
REL STD DEV = 0.276 (33.193)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.7580	(-0.0010)
Sample #2 =	6.7270	(0.0330)
Sample #3 =	6.7350	(0.0330)
Sample #4 =	6.7540	(0.0270)

Avg % Abs = 6.7387 (0.0310)
STD DEV = 0.0139 (0.0035)
REL STD DEV = 0.206 (11.175)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12513, 9um Io = 12762
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.1230	(-0.0250)
Sample #2 =	5.1590	(0.0030)
Sample #3 =	5.1640	(0.0110)
Sample #4 =	5.1510	(0.0190)

Avg % Abs = 5.1580 (0.0110)
STD DEV = 0.0066 (0.0080)
REL STD DEV = 0.127 (72.727)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.7570	(-0.0250)
Sample #2 =	9.7450	(0.0230)
Sample #3 =	9.7470	(0.0210)
Sample #4 =	9.7530	(0.0490)

Avg % Abs = 9.7483 (0.0310)
STD DEV = 0.0042 (0.0156)
REL STD DEV = 0.043 (50.389)

***** AUTO CAL DATA *****
<<<<< CHANNEL 1 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.087
Std Dev = 0.03 Rel Std Dev = 38.26
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.760
Std Dev = 0.03 Rel Std Dev = 4.47
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.815
Std Dev = 0.03 Rel Std Dev = 1.64
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.493
Std Dev = 0.01 Rel Std Dev = 0.28
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.158
Std Dev = 0.01 Rel Std Dev = 0.13
Zero Order Coef = -220.58
First Order Coef = 2733.09
Second Order Coef = 15.43
Standard Deviation = 25.972729

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<<<<< CHANNEL 2 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.168
Std Dev = 0.01 Rel Std Dev = 7.41
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.507
Std Dev = 0.01 Rel Std Dev = 0.88
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.551
Std Dev = 0.01 Rel Std Dev = 0.23
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.739
Std Dev = 0.01 Rel Std Dev = 0.21
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.748
Std Dev = 0.00 Rel Std Dev = 0.04
Zero Order Coef = -204.65
First Order Coef = 1353.50
Second Order Coef = 13.58
Standard Deviation = 23.604370

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.000	-0.0004
0.040	0.039	0.0008
0.100	0.101	-0.0006
0.200	0.200	0.0002
0.300	0.300	-0.0000

Solution Stats Quadratic Fit Chan 2

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

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3505.00
Sample #2 = 3426.00
Sample #3 = 3439.00
Sample #4 = 3412.00
Average Result = 3425.6667
STD DEV = 13.5031
REL STD DEV = 0.394
****
***** CHANNEL 2
Sample #1 = 3381.00
Sample #2 = 3385.00
Sample #3 = 3382.00
Sample #4 = 3367.00
Average Result = 3378.0000
STD DEV = 9.6437
REL STD DEV = 0.285
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1021
3 um H20 Adjust (mg/l*10,000) = 384
9 um H20 Adjust (mg/l*10,000) = 431
**** AUTO CAL PASS

80-005402

11/21/17
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PORT ORANGE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005402
11/20/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:51
Control Test	0.050	09:52
Air Blank	0.000	09:52
Control Test	0.049	09:53
Air Blank	0.000	09:54
Control Test	0.049	09:54
Air Blank	0.000	09:55

Control Test Stats

Average	0.0493	
Std Dev	0.0006	
Rel Std Dev(%)	1.1703	

P Murphy
Operator's Signature

PORT ORANGE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005402
11/20/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:59
Control Test	0.081	10:00
Air Blank	0.000	10:01
Control Test	0.080	10:01
Air Blank	0.000	10:02
Control Test	0.080	10:03
Air Blank	0.000	10:03

Control Test Stats

Average	0.0803	
Std Dev	0.0006	
Rel Std Dev(%)	0.7187	

P Murphy
Operator's Signature

PORT ORANGE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005402
11/20/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:05
Control Test	0.201	10:05
Air Blank	0.000	10:06
Control Test	0.201	10:07
Air Blank	0.000	10:07
Control Test	0.200	10:08
Air Blank	0.000	10:08

Control Test Stats

Average	0.2007	
Std Dev	0.0006	
Rel Std Dev(%)	0.2877	

P Murphy
Operator's Signature

PORT ORANGE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005402
11/20/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:11
Control Test	0.080	10:11
Air Blank	0.000	10:12
Control Test	0.080	10:12
Air Blank	0.000	10:12
Control Test	0.080	10:13
Air Blank	0.000	10:13

Control Test Stats

Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

DGS

P Murphy
Operator's Signature

POST CALIBRATION ADJUST STABILITIES

11/21/17
JD