FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Sarasota County So S/N 80-001348

Date In 3/29/16 Date Out 3/30/16 ☒ Ship ☐ P/U ☐ H/D ☐ CMI ☐ EE

RECEIVED
APR 11 2016
FDLE
Alcohol Testing Program

Intake Performed By TB

- ☐ Registration
- ☑ Annual
- ☐ Return from CMI
- ☐ Return from Enforcement
- ☐ Other

Visual Inspection:

- ☒ Case
- ☒ Dry Gas Holder
- ☒ Keyboard/Plug
- ☒ Screws tight
- ☒ Handle
- ☒ Feet
- ☒ Back/Plugs
- ☒ Breath Hose

Other Equipment:

- ☐ Power cord
- ☐ Printer Cable
- ☑ Other Static Bag

Notes:

Quality Checks Performed By PWS

- ☒ Breath Tube Screen
- ☒ Replace O-Rings
- ☒ Instrument Set Up Verified
- ☒ R-Value 152
- ☒ Flow Verification (L/s)
  - Flow Column # ATP103
  - 32mm 113 (.139 - .169)
  - 36mm 128 (.156 - .190)
  - 53mm 207 (.228 - .278)
  - 103mm 488 (.447 - .547)
- ☒ Barometric Pressure Check
  - Gauge ID # 28427 >1%
- ☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	SD1018	201507A 7/14/17
0.08	SD1011	201601F 1/26/18
0.20	PWS SD G4444	201505A 5/12/17
0.08 DGS	N/A	AG511701 4/27/17

Flow Calibration Performed By PWS

- ☐ Flow Calibration N/A
- ☒ Flow Calibration Complete
  - Flow Column # ATP102
  - ☒ 5L/min – 17mm
  - ☒ 15L/min – 53mm
  - ☒ 30L/min – 103mm
- ☒ R-Value 151
- ☒ Post Calibration Verification (L/s)
  - Flow Column # ATP103
  - 32mm 144 (.139 - .169)
  - 36mm 164 (.156 - .190)
  - 53mm 230 (.228 - .278)
  - 103mm 500 (.447 - .547)

Maintenance Performed By

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

Suggested Service

Optical Bench Calibration Performed By PWS

- ☐ Optical Bench Calibration N/A
- ☒ Optical Bench Calibration Complete

Barometric Pressure Gauge 1020 ID # 26932

Simulator	Serial Number	Lot Number	Expiration
0.000	DR1275	N/A	N/A
0.040	SD39162	16101	2/2/18
0.100	G2078	15001	5/20/17
0.200	G 2408	15104	5/27/17
0.400	SD3933	15105	6/10/17
0.080 DGS	N/A	120140801A1	6/1/16

☒ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD1018	201507A	7/14/17
0.08	SD1011	201601F	1/26/18
0.20	G4444	201505A	5/12/17
0.08 DGS	N/A	AG511701	4/27/17

Department Inspection Performed By PWS

☒ Barometric Pressure ID# 28427 — 1020 Gauge / 1019 Instrument

Mouth Alcohol Solution Lot # 2015-A

Acetone Stock Solution Lot # 2016-B

Simulator	Serial Number
0.00	SD1022
Interferent	SD1021
0.05	SD1018
0.08	SD1011
0.20	A4444

Attachments

- ☒ Form 41
- ☒ Pre-Stability Tests
- ☒ Flow Calibration
- ☒ Optical Bench Cal
- ☒ Post-Stability Tests
- ☐ Other

Notes: Calibrated Optical Bench due to Barometric Pressure being off by more than 1%. All measurements before were within range. PWS
QA/QC OK. GSM

☒ **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**

TBrett Rutherford
Quality Control Review

4/11/16
Date

Revised November 2012

Stability Tests - Sarasota CSO # 80-001348 3/30/16
Pre Calibration + Flow Calibration

BK

SARASOTA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001348
03/30/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:18
Control Test	0.050	09:19
Air Blank	0.000	09:20
Control Test	0.051	09:20
Air Blank	0.000	09:21
Control Test	0.050	09:21
Air Blank	0.000	09:22
Control Test Stats		
Average	0.0503	
Std Dev	0.0006	
Rel Std Dev(%)	1.1471	

PJGM

PWS

Operator's Signature

SARASOTA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001348
03/30/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:10
Control Test	0.078	09:11
Air Blank	0.000	09:11
Control Test	0.079	09:12
Air Blank	0.000	09:13
Control Test	0.078	09:13
Air Blank	0.000	09:14
Control Test Stats		
Average	0.0783	
Std Dev	0.0006	
Rel Std Dev(%)	0.7370	

PWS

Operator's Signature

SARASOTA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001348
03/30/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:28
Control Test	0.200	09:29
Air Blank	0.000	09:29
Control Test	0.201	09:30
Air Blank	0.000	09:30
Control Test	0.199	09:31
Air Blank	0.000	09:32
Control Test Stats		
Average	0.2000	
Std Dev	0.0010	
Rel Std Dev(%)	0.5000	

PWS

Operator's Signature

SARASOTA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001348
03/30/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:24
Control Test	0.080	09:24
Air Blank	0.000	09:25
Control Test	0.081	09:25
Air Blank	0.000	09:25
Control Test	0.081	09:26
Air Blank	0.000	09:26
Control Test Stats		
Average	0.0807	
Std Dev	0.0006	
Rel Std Dev(%)	0.7157	

DGS

PWS

Operator's Signature

SARASOTA COUNTY SO
Intoxilyzer - Alcohol Analyzer SN 80-001348
Model 8000
03/30/2016
Software: 8100.27

Flow Rate Calibration********
1: Rate (Liters/min) = 5
SQRT(Diff)) = 6.480
2: Rate (Liters/min) = 15
SQRT(Diff)) = 11.531
3: Rate (Liters/min) = 30
SQRT(Diff)) = 20.758
Dependent Data Scale Factor = 100000 L/min
Independent Data Scale Factor = 256
Rounded Slope = 678
Rounded Intercept = -576379
Correlation = 0.99863

Optical Bench
Calibration

Sara Sota CSO
80-001348
3/30/16

13K

BBM

SARASOTA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001348
03/30/2016 10:28:45

Auto Calibration
Max Power Res Value = 32
Auto Range Res Value = 21

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l ****
Samples Taken = 4, Discarded = 1
3um Io = 12884, 9um Io = 14203
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0950	(-0.0180)
Sample #2 =	0.0930	(0.0000)
Sample #3 =	0.0870	(0.0060)
Sample #4 =	0.0940	(0.0220)

Avg % Abs = 0.0913 (0.0093)
STD DEV = 0.0038 (0.0114)
REL STD DEV = 4.145 (121.848)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1010	(-0.0150)
Sample #2 =	0.1080	(-0.0060)
Sample #3 =	0.1060	(-0.0080)
Sample #4 =	0.0930	(0.0070)

Avg % Abs = 0.1023 (-0.0023)
STD DEV = 0.0081 (0.0081)
REL STD DEV = 7.959 (349.[illegible]

Sol Value = 0.040 g/210L
Fit value = 0.1905 mg/l
Samples Taken = 4, Discar[illegible]
3um Io = 12879, 9um Io = 14203
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8310	(-0.0240)
Sample #2 =	0.8340	(-0.0110)
Sample #3 =	0.8310	(-0.0080)
Sample #4 =	0.8450	(-0.0070)

Avg % Abs = 0.8367 (-0.0087)
STD DEV = 0.0074 (0.0021)
REL STD DEV = 0.881 (24.019)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5240	(-0.0040)
Sample #2 =	1.5270	(0.0040)
Sample #3 =	1.5200	(-0.0070)
Sample #4 =	1.5180	(0.0090)

Avg % Abs = 1.5217 (0.0020)
STD DEV = 0.0047 (0.0082)
REL STD DEV = 0.311 (409.268)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l ****
Samples Taken = 4, Discarded = 1
3um Io = 12879, 9um Io = 14199
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.9560	(-0.0080)
Sample #2 =	1.9610	(0.0030)
Sample #3 =	1.9700	(0.0020)
Sample #4 =	1.9660	(0.0060)

Avg % Abs = 1.9657 (0.0037)
STD DEV = 0.0045 (0.0021)
REL STD DEV = 0.229 (56.773)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6670	(-0.0190)
Sample #2 =	3.6580	(-0.0100)
Sample #3 =	3.6710	(-0.0140)
Sample #4 =	3.6630	(-0.0150)

Avg % Abs = 3.6648 (-0.0145)

'210L ***
ng/l ****
Samples Taken = 4, Discarded = 1
3um Io = 12879, 9um Io = 14200
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.7810	(-0.0080)
Sample #2 =	3.7990	(-0.0080)
Sample #3 =	3.8020	(0.0070)
Sample #4 =	3.7870	(0.0090)

Avg % Abs = 3.7960 (0.0027)
STD DEV = 0.0079 (0.0093)
REL [illegible]

Sa[illegible]

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.0400	(-0.0030)
Sample #2 =	7.0790	(-0.0070)
Sample #3 =	7.0720	(-0.0020)
Sample #4 =	7.0890	(-0.0050)

Avg % Abs = 7.0800 (-0.0047)
STD DEV = 0.0085 (0.0025)
REL STD DEV = 0.121 (53.927)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l ****
Samples Taken = 4, Discarded = 1
3um Io = 12877, 9um Io = 14201
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.2050	(-0.0120)
Sample #2 =	7.1610	(0.0080)
Sample #3 =	7.1460	(0.0140)
Sample #4 =	7.1730	(0.0180)

Avg % Abs = 7.1600 (0.0133)
STD DEV = 0.0135 (0.0050)
REL STD DEV = 0.189 (37.749)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	13.2220	(-0.0010)
Sample #2 =	13.1540	(0.0140)
Sample #3 =	13.1610	(0.0070)
Sample #4 =	13.1590	(0.0230)

Avg % Abs = 13.1588 (0.0107)
STD DEV
REL ST[illegible]

***** AUTO CAL DATA *****
<<<<< CHANNEL 1 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.091
Std Dev = 0.00 Rel Std Dev = 4.15
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.837
Std Dev = 0.01 Rel Std Dev = 0.88
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.966
Std Dev = 0.00 Rel Std Dev = 0.23
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.796
Std Dev = 0.01 Rel Std Dev = 0.21
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 7.160
Std Dev = 0.01 Rel Std Dev = 0.19
Zero Order Coef = -189.16
First Order Coef = 2435.09
Second Order Coef = 35.00
Standard Deviation = 32.725254

<<<<< CHANNEL 2 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.102
Std Dev = 0.01 Rel Std Dev = 7.96
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.522
Std Dev = 0.00 Rel Std Dev = 0.31
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.664
Std Dev = 0.01 Rel Std Dev = 0.18
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 7.080
Std Dev = 0.01 Rel Std Dev = 0.12
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 13.158
Std Dev = 0.00 Rel Std Dev = 0.03
Zero Order Coef = -86.85
First Order Coef = 1259.35
Second Order Coef = 14.75
Standard Deviation = 41.603371

dratic Fit Chan 1

		Residual
g/210L	g/210L	g/210L
0.000	0.001	-0.0007
0.040	0.039	0.0007
0.100	0.099	0.0006
0.200	0.201	-0.0007
0.400	0.400	0.0002

Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.001	-0.0009
0.040	0.039	0.0009
0.100	0.099	0.0008
0.200	0.201	-0.0009
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 = 3118.00
Sample #2 = 3147.00
Sample #3 = 3117.00
Sample #4 = 3112.00
Average Result = 3125.3333
STD DEV = 18.9297
REL STD DEV = 0.606
****
***** CHANNEL 2
Sample #1 = 3409.00
Sample #2 = 3414.00
Sample #3 = 3409.00
Sample #4 = 3404.00
Average Result = 3409.0000
STD DEV = 5.0000
REL STD DEV = 0.147
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1019
[illegible],000) = 684
[illegible],000) = 400

Stability Tests - Sarasota CSO #80-001348 3/30/16
Post Calibration

BK

SARASOTA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001348
03/30/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:55
Control Test	0.048	12:56
Air Blank	0.000	12:56
Control Test	0.049	12:57
Air Blank	0.000	12:57
Control Test	0.049	12:58
Air Blank	0.000	12:59
Control Test Stats		
Average	0.0487	
Std Dev	0.0006	
Rel Std Dev(%)	1.1863	

BJM

PWS

Operator's Signature

SARASOTA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001348
03/30/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:00
Control Test	0.078	13:00
Air Blank	0.000	13:01
Control Test	0.079	13:01
Air Blank	0.000	13:02
Control Test	0.079	13:03
Air Blank	0.000	13:03
Control Test Stats		
Average	0.0787	
Std Dev	0.0006	
Rel Std Dev(%)	0.7339	

PWS

Operator's Signature

SARASOTA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001348
03/30/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:04
Control Test	0.196	13:05
Air Blank	0.000	13:06
Control Test	0.198	13:06
Air Blank	0.000	13:07
Control Test	0.199	13:08
Air Blank	0.000	13:08
Control Test Stats		
Average	0.1977	
Std Dev	0.0015	
Rel Std Dev(%)	0.7728	

PWS

Operator's Signature

SARASOTA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001348
03/30/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:10
Control Test	0.079	13:10
Air Blank	0.000	13:11
Control Test	0.080	13:11
Air Blank	0.000	13:12
Control Test	0.079	13:12
Air Blank	0.000	13:12
Control Test Stats		
Average	0.0793	
Std Dev	0.0006	
Rel Std Dev(%)	0.7277	

DGS

PWS

Operator's Signature