FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Manatee County SO S/N 80-006236

Date In 7/12/16 Date Out 7/19/16 ☒Ship ☐P/U ☐H/D ☐CMI ☐EE

RECEIVED JUL 21 2016 FDLE Alcohol Testing Program

Intake Performed By DP

- ☐ 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 241
- ☒ Flow Verification (L/s)
  - Flow Column # AAP102
  - 32mm 160 (.139 - .169)
  - 36mm 179 (.156 - .190)
  - 53mm 246 (.228 - .278)
  - 103mm 500 (.447 - .547)
- ☒ Barometric Pressure Check
  - Gauge ID # 28427
- ☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	SD1018	201507A 7/14/17
0.08	SD1011	201601F 1/26/18
0.20	SD1025	201505A 5/12/17
0.08 DGS	N/A	AG431502 ~~11/11/16~~ 11/11/16 PWS

Flow Calibration Performed By

- ☒ Flow Calibration N/A
- ☐ Flow Calibration Complete
  - Flow Column #
  - ☐ 5L/min – 17mm
  - ☐ 15L/min – 53mm
  - ☐ 30L/min – 103mm
- ☐ 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

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	G2882	16010.1	2/2/18
0.100	G2078	160001	5/8/18
0.200	G2408	15104	5/27/17
0.400	G5358	16102	3/22/18
0.080 DGS	N/A	034150801	3/5/17

☒ 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	SD1025	201505A	5/12/17
0.08 DGS	N/A	AG431502	11/11/16

Department Inspection Performed By PWS

- ☒ Barometric Pressure ID# 28427 — 1021 Gauge / 1018 Instrument

Mouth Alcohol Solution Lot # 2015-A

Acetone Stock Solution Lot # 2016-B

Simulator	Serial Number
0.00	SD1019
Interferent	SD1021
0.05	SD1018
0.08	SD1011
0.20	SD1025

Attachments

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

Notes: All stability checks within tolerance. Calibrated optical bench to bring values closer to nominal. PWS

QA/QC OK DBM

- ☒ **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**

Brett Hiteland — Quality Control Review

7/21/16 — Date

Revised November 2012

Stability Tests - Manatee CSO #80-006236 7/19/16
Pre-Calibration

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006236
07/19/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:57
Control Test	0.047	09:58
Air Blank	0.000	09:58
Control Test	0.047	09:59
Air Blank	0.000	09:59
Control Test	0.047	10:00
Air Blank	0.000	10:01
Control Test Stats		
Average	0.0470	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

RDM

Operator's Signature

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006236
07/19/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:11
Control Test	0.078	10:12
Air Blank	0.000	10:12
Control Test	0.078	10:13
Air Blank	0.000	10:14
Control Test	0.078	10:14
Air Blank	0.000	10:15
Control Test Stats		
Average	0.0780	
Std Dev	0.0003	
Rel Std Dev(%)	0.0000	

Operator's Signature

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006236
07/19/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:02
Control Test	0.199	10:03
Air Blank	0.000	10:04
Control Test	0.198	10:04
Air Blank	0.000	10:05
Control Test	0.199	10:05
Air Blank	0.000	10:06
Control Test Stats		
Average	0.1987	
Std Dev	0.0006	
Rel Std Dev(%)	0.2986	

Operator's Signature

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006236
07/19/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:07
Control Test	0.080	10:08
Air Blank	0.000	10:08
Control Test	0.080	10:58
Air Blank	0.000	10:09
Control Test	0.081	10:09
Air Blank	0.000	10:10
Control Test Stats		
Average	0.0803	
Std Dev	0.0006	
Rel Std Dev(%)	0.7187	

DAS

BK

Operator's Signature

Optical Bench Calibration

Manatee CSO
80-006236
7/19/16

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006236
07/19/2016 12:06:42

Auto Calibration
Max Power Res Value = 100
Auto Range Res Value = 66

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12538, 9um Io = 12900

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1260	(-0.0020)
Sample #2 =	0.1190	(0.0480)
Sample #3 =	0.0760	(0.1230)
Sample #4 =	0.1030	(0.1280)

Avg % Abs = 0.0993 (0.0997)
STD DEV = 0.0217 (0.0448)
REL STD DEV = 21.879 (44.964)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1620	(0.0000)
Sample #2 =	0.1710	(0.0070)
Sample #3 =	0.1530	(0.0170)
Sample #4 =	0.1790	(0.0140)

Avg % Abs = 0.1677 (0.0127)
STD DEV = 0.0133 (0.0051)
REL STD DEV = 7.942 (40.513)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12513, 9um Io = 12894

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7190	(0.0000)
Sample #2 =	0.7610	(0.0060)
Sample #3 =	0.7390	(0.0440)
Sample #4 =	0.7760	(0.0310)

Avg % Abs = 0.7587 (0.0270)
STD DEV = 0.0186 (0.0193)
REL STD DEV = 2.453 (71.530)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4710	(0.0020)
Sample #2 =	1.5020	(-0.0060)
Sample #3 =	1.4880	(0.0100)
Sample #4 =	1.5020	(0.0170)

Avg % Abs = 1.4973 (0.0070)
STD DEV = 0.0081 (0.0118)
REL STD DEV = 0.540 (168.426)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12595, 9um Io = 12890

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.7140	(0.0050)
Sample #2 =	1.7540	(0.0130)
Sample #3 =	1.7390	(0.0440)
Sample #4 =	1.7690	(0.0300)

Avg % Abs = 1.7540 (0.0290)
STD DEV = 0.0150 (0.0155)
REL STD DEV = 0.855 (53.532)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4500	(0.0100)
Sample #2 =	3.4990	(-0.0010)
Sample #3 =	3.4690	(0.0290)
Sample #4 =	3.5090	(0.0070)

Avg % Abs = 3.4923 (0.0117)
STD DEV = 0.0208 (0.0155)
REL STD DEV = 0.596 (133.156)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12501, 9um Io = 12889

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4020	(-0.0030)
Sample #2 =	3.3580	(0.0540)
Sample #3 =	3.3800	(0.0590)
Sample #4 =	3.4200	(0.0370)

Avg % Abs = 3.3860 (0.0500)
STD DEV = 0.0314 (0.0115)
REL STD DEV = 0.928 (23.065)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.7300	(-0.0100)
Sample #2 =	6.7110	(0.0560)
Sample #3 =	6.7490	(0.0520)
Sample #4 =	6.7820	(0.0450)

Avg % Abs = 6.7473 (0.0510)
STD DEV = 0.0355 (0.0056)
REL STD DEV = 0.527 (10.917)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12497, 9um Io = 12888

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.3800	(-0.0110)
Sample #2 =	6.3730	(0.0570)
Sample #3 =	6.3720	(0.0690)
Sample #4 =	6.3730	(0.0840)

Avg % Abs = 6.3727 (0.0700)
STD DEV = 0.0006 (0.0135)
REL STD DEV = 0.009 (19.325)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	12.4110	(0.0030)
Sample #2 =	12.3930	(0.1070)
Sample #3 =	12.4230	(0.1100)
Sample #4 =	12.4200	(0.1260)

Avg % Abs = 12.4120 (0.1143)
STD DEV = 0.0165 (0.0102)
REL STD DEV = 0.133 (8.934)

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

<<<<< CHANNEL 1 >>>>>

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.099
Std Dev = 0.02 Rel Std Dev = 21.98
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.759
Std Dev = 0.02 Rel Std Dev = 2.45
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.754
Std Dev = 0.02 Rel Std Dev = 0.86
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.386
Std Dev = 0.03 Rel Std Dev = 0.93
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.373
Std Dev = 0.00 Rel Std Dev = 0.01
Zero Order Coef = -236.28
First Order Coef = 2749.49
Second Order Coef = 43.17
Standard Deviation = 39.393608

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.168
Std Dev = 0.01 Rel Std Dev = 7.94
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.497
Std Dev = 0.01 Rel Std Dev = 0.54
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.492
Std Dev = 0.02 Rel Std Dev = 0.60
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.747
Std Dev = 0.04 Rel Std Dev = 0.53
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 12.412
Std Dev = 0.02 Rel Std Dev = 0.13
Zero Order Coef = -166.66
First Order Coef = 1328.85
Second Order Coef = 17.55
Standard Deviation = 63.841352

BK

Solution Stats Quadratic Fit Chan 1		
Act g/210L	Fit g/210L	Residual g/210L
0.000	0.001	-0.0008
0.040	0.039	0.0006
0.100	0.099	0.0009
0.200	0.201	-0.0009
0.400	0.400	0.0002

Solution Stats Quadratic Fit Chan 2		
Act g/210L	Fit g/210L	Residual g/210L
0.000	0.001	-0.0012
0.040	0.039	0.0009
0.100	0.098	0.0015
0.200	0.202	-0.0016
0.400	0.400	0.0004

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 2996.00
Sample #2 = 3040.00
Sample #3 = 2906.00
Sample #4 = 2994.00
Average Result = 2980.0000
STD DEV = 68.9882
REL STD DEV = 2.285
****
***** CHANNEL 2
Sample #1 = 3177.00
Sample #2 = 3213.00
Sample #3 = 3179.00
Sample #4 = 3216.00
Average Result = 3202.6667
STD DEV = 20.5508
REL STD DEV = 0.642
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1019
3 um H20 Adjust (mg/l*10,000) = 829
9 um H20 Adjust (mg/l*10,000) = 607
**** AUTO CAL PASS

Stability Tests - Manatee CSO # 80-006236 7/19/16
Post-Calibration

BK

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006236
07/19/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:14
Control Test	0.048	13:15
Air Blank	0.000	13:15
Control Test	0.050	13:16
Air Blank	0.000	13:17
Control Test	0.050	13:17
Air Blank	0.000	13:18
Control Test Stats		
Average	0.0493	
Std Dev	0.0012	
Rel Std Dev(%)	2.3406	

BJM

Operator's Signature

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006236
07/19/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:19
Control Test	0.081	13:20
Air Blank	0.000	13:20
Control Test	0.081	13:21
Air Blank	0.000	13:22
Control Test	0.080	13:22
Air Blank	0.000	13:23
Control Test Stats		
Average	0.0807	
Std Dev	0.0006	
Rel Std Dev(%)	0.7157	

Operator's Signature

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006236
07/19/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:24
Control Test	0.201	13:25
Air Blank	0.000	13:25
Control Test	0.202	13:26
Air Blank	0.000	13:27
Control Test	0.202	13:27
Air Blank	0.000	13:28
Control Test Stats		
Average	0.2017	
Std Dev	0.0006	
Rel Std Dev(%)	0.2863	

Operator's Signature

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006236
07/19/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:29
Control Test	0.081	13:30
Air Blank	0.000	13:30
Control Test	0.081	13:30
Air Blank	0.000	13:31
Control Test	0.081	13:31
Air Blank	0.000	13:32
Control Test Stats		
Average	0.0810	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

DGS

Operator's Signature