FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Manatee County SO S/N 80-006565

Date In 12/22/15 Date Out 1/6/16 ☒ Ship ☐ P/U ☐ H/D ☐ CMI ☐ GE

RECEIVED
JAN 07 2016
FDLE
Alcohol Testing Program

Intake Performed By TP

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

Visual Inspection:

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

Other Equipment:

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

Notes: Second power cord/car charger

Quality Checks Performed By JWS

- ☒ Breath Tube Screen
- ☒ Replace O-Rings
- ☒ Instrument Set Up Verified
- ☒ R-Value 199
- ☒ Flow Verification (L/s)

Flow Column # ATP103

32mm 156 (.139 - .169)
36mm 175 (.156 - .190)
53mm 246 (.228 - .278)
103mm 507 (.447 - .547)

- ☒ Barometric Pressure Check

Gauge ID # 28662

- ☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	SD1018	201507A 7/14/17
0.08	SD1011	201502G 2/24/17
0.20	SD1025	201505A 5/12/17
0.08 DGS	N/A	AG511701 4/27/17

Flow Calibration Performed By N/A

- ☒ 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 JWS

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

Barometric Pressure Gauge 1021 ID # 28421

Simulator	Serial Number	Lot Number	Expiration
0.000	G2880	N/A	N/A
0.040	SD3962	15108	8/18/17
0.100	SD3964	15001	5/20/17
0.200	SD3933	14104	6/25/16
0.400	G2403	15105	6/10/17
0.080 DGS	N/A	090140804	5/1/16

☒ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD1018	201507A	7/14/17
0.08	SD1011	201502G	2/24/17
0.20	SD1025	201505A	5/12/17
0.08 DGS	N/A	AG511701	4/27/17

Department Inspection Performed By JWS

☒ Barometric Pressure 1021 Gauge
ID# 28662 1020 Instrument

Mouth Alcohol Solution Lot # 2015-A
Acetone Stock Solution Lot # 2015-13

Simulator	Serial Number
0.00	SD1022
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 Form 40 Req. for Req.

Notes: All stability values within range. Calibrated Optical bench to bring values closer to nominal. JWS
QC-BK

Patrick Murphy
Quality Control Review

1/7/16
Date

- ☒ **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**

Revised November 2012

Stability Tests - Manatee CSO #80-006565 1/6/16
Pre-Calibration

PGM

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006565
01/06/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:21
Control Test	0.051	09:21
Air Blank	0.000	09:22
Control Test	0.051	09:22
Air Blank	0.000	09:23
Control Test	0.051	09:24
Air Blank	0.000	09:24
Control Test Stats		
Average	0.0510	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006565
01/06/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:26
Control Test	0.079	09:27
Air Blank	0.000	09:28
Control Test	0.079	09:28
Air Blank	0.000	09:29
Control Test	0.080	09:30
Air Blank	0.000	09:30
Control Test Stats		
Average	0.0793	
Std Dev	0.0006	
Rel Std Dev(%)	0.7277	

Operator's Signature

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006565
01/06/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:35
Control Test	0.206	09:35
Air Blank	0.000	09:36
Control Test	0.206	09:37
Air Blank	0.000	09:37
Control Test	0.206	09:38
Air Blank	0.000	09:38
Control Test Stats		
Average	0.2060	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006565
01/06/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:17
Control Test	0.079	09:18
Air Blank	0.000	09:18
Control Test	0.080	09:18
Air Blank	0.000	09:19
Control Test	0.080	09:19
Air Blank	0.000	09:20
Control Test Stats		
Average	0.0797	
Std Dev	0.0006	
Rel Std Dev(%)	0.7247	

DGS

BK

Operator's Signature

Optical Bench Calibration

Manatee C80

#80-006565

1/6/16

MANATEE COUNTY SO
Intoxilyzer - Alconcl Analyzer
Model 8000 SN 80-006565
01/06/2016 13:57:27

Auto Calibration
Max Power Res Value = 80
Auto Range Res Value = 58

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12646, 9um Io = 13402

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0330	(-0.0180)
Sample #2 =	0.0140	(0.0010)
Sample #3 =	0.0450	(-0.0140)
Sample #4 =	0.0090	(0.0140)

Avg % Abs = 0.0227 (0.0003)
STD DEV = 0.0195 (0.0140)
REL STD DEV = 86.039 (4203.570)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1620	(-0.0130)
Sample #2 =	0.1630	(-0.0070)
Sample #3 =	0.1560	(-0.0070)
Sample #4 =	0.1350	(0.0060)

Avg % Abs = 0.1513 (-0.0027)
STD DEV = 0.0146 (0.0075)
REL STD DEV = 9.629 (281.458)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12640, 9um Io = 13400

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7080	(-0.0120)
Sample #2 =	0.7680	(-0.0310)
Sample #3 =	0.7160	(-0.0040)
Sample #4 =	0.7620	(-0.0170)

Avg % Abs = 0.7487 (-0.0173)
STD DEV = 0.0284 (0.0135)
REL STD DEV = 3.800 (77.902)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5620	(-0.0180)
Sample #2 =	1.5710	(-0.0220)
Sample #3 =	1.5550	(-0.0060)
Sample #4 =	1.5650	(-0.0060)

Avg % Abs = 1.5637 (-0.0113)
STD DEV = 0.0081 (0.0092)
REL STD DEV = 0.517 (81.508)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12640, 9um Io = 13400

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8530	(-0.0100)
Sample #2 =	1.8650	(-0.0120)
Sample #3 =	1.8050	(0.0220)
Sample #4 =	1.8370	(0.0060)

Avg % Abs = 1.8357 (0.0053)
STD DEV = 0.0300 (0.0170)
REL STD DEV = 1.635 (318.934)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6780	(-0.0140)
Sample #2 =	3.6780	(-0.0070)
Sample #3 =	3.6500	(0.0110)
Sample #4 =	3.6630	(0.0000)

Avg % Abs = 3.6637 (0.0013)
STD DEV = 0.0140 (0.0091)
REL STD DEV = 0.382 (680.533)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12637, 9um Io = 13401

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5630	(-0.0180)
Sample #2 =	3.5010	(0.0280)
Sample #3 =	3.5430	(0.0020)
Sample #4 =	3.5580	(0.0100)

Avg % Abs = 3.5340 (0.0133)
STD DEV = 0.0295 (0.0133)
REL STD DEV = 0.836 (99.875)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.8650	(0.0000)
Sample #2 =	6.8350	(0.0370)
Sample #3 =	6.8560	(0.0260)
Sample #4 =	6.8670	(0.0300)

Avg % Abs = 6.8527 (0.0310)
STD DEV = 0.0163 (0.0056)
REL STD DEV = 0.237 (17.961)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12635, 9um Io = 13399

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.8980	(-0.0130)
Sample #2 =	6.8900	(0.0050)
Sample #3 =	6.8510	(0.0340)
Sample #4 =	6.8710	(0.0380)

Avg % Abs = 6.8707 (0.0257)
STD DEV = 0.0195 (0.0180)
REL STD DEV = 0.284 (70.166)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	12.9400	(-0.0070)
Sample #2 =	12.9270	(0.0310)
Sample #3 =	12.9150	(0.0450)
Sample #4 =	12.9340	(0.0370)

Avg % Abs = 12.9253 (0.0377)
STD DEV = 0.0096 (0.0070)
REL STD DEV = 0.074 (18.647)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.023
Std Dev = 0.02 Rel Std Dev = 86.04
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.749
Std Dev = 0.03 Rel Std Dev = 3.80
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.836
Std Dev = 0.03 Rel Std Dev = 1.64
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.534
Std Dev = 0.03 Rel Std Dev = 0.84
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.871
Std Dev = 0.02 Rel Std Dev = 0.28
Zero Order Coef = -75.26
First Order Coef = 2620.72
Second Order Coef = 23.80
Standard Deviation = 34.744083

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.151
Std Dev = 0.01 Rel Std Dev = 9.63
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.564
Std Dev = 0.01 Rel Std Dev = 0.52
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.664
Std Dev = 0.01 Rel Std Dev = 0.38
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.853
Std Dev = 0.02 Rel Std Dev = 0.24
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 12.925
Std Dev = 0.01 Rel Std Dev = 0.07
Zero Order Coef = -214.51
First Order Coef = 1328.78
Second Order Coef = 12.53
Standard Deviation = 38.338531

BK

Solution Stats Quadratic Fit Chan 1		
Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	-0.000	0.0003
0.040	0.040	0.0001
0.100	0.101	-0.0011
0.200	0.199	0.0008
0.400	0.400	-0.0001

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	0.0002
0.100	0.101	-0.0013
0.200	0.199	0.0009
0.400	0.400	-0.0001

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3483.00
Sample #2 = 3502.00
Sample #3 = 3507.00
Sample #4 = 3472.00
Average Result = 3493.6667
STD DEV = 18.9257
REL STD DEV = 0.542
****
***** CHANNEL 2
Sample #1 = 3380.00
Sample #2 = 3368.00
Sample #3 = 3378.00
Sample #4 = 3383.00
Average Result = 3376.3333
STD DEV = 7.6376
REL STD DEV = 0.226
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1020
3 um H20 Adjust (mg/l*10,000) = 316
9 um H20 Adjust (mg/l*10,000) = 433
**** AUTO CAL PASS

Stability Tests - Manatee CSO #80-006565 1/6/16
Post Calibration

PGM

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006565
01/06/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:11
Control Test	0.049	15:12
Air Blank	0.000	15:12
Control Test	0.050	15:13
Air Blank	0.000	15:13
Control Test	0.050	15:14
Air Blank	0.000	15:15
Control Test Stats		
Average	0.0497	
Std Dev	0.0006	
Rel Std Dev(%)	1.1625	

PWS
Operator's Signature

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006565
01/06/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:16
Control Test	0.078	15:17
Air Blank	0.000	15:17
Control Test	0.079	15:18
Air Blank	0.000	15:19
Control Test	0.078	15:19
Air Blank	0.000	15:20
Control Test Stats		
Average	0.0783	
Std Dev	0.0006	
Rel Std Dev(%)	0.7370	

PWS
Operator's Signature

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006565
01/06/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:21
Control Test	0.200	15:22
Air Blank	0.000	15:22
Control Test	0.201	15:23
Air Blank	0.000	15:24
Control Test	0.201	15:24
Air Blank	0.000	15:25
Control Test Stats		
Average	0.2007	
Std Dev	0.0006	
Rel Std Dev(%)	0.2877	

BK

PWS
Operator's Signature

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006565
01/06/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:26
Control Test	0.079	15:26
Air Blank	0.000	15:27
Control Test	0.079	15:27
Air Blank	0.000	15:27
Control Test	0.078	15:28
Air Blank	0.000	15:28
Control Test Stats		
Average	0.0787	
Std Dev	0.0006	
Rel Std Dev(%)	0.7339	

DGS

PWS
Operator's Signature