FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Hendry County SO S/N 80-000951

Date In 10/31/16 Date Out 11/1/16 ☒Ship ☐P/U ☐H/D ☐CMI ☐EE

RECEIVED
NOV 02 2016
Alcohol Testing Program
FDLE

Intake Performed By [illegible]

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

Visual Inspection:

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

Other Equipment:

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

Notes:

Quality Checks Performed By SP

- ☒ Breath Tube Screen
- ☒ Replace O-Rings
- ☒ Instrument Set Up Verified
- ☒ R-Value 151
- ☒ Flow Verification (L/s)

Flow Column # ATP105

32mm	.152 (.139 - .169)
36mm	.175 (.156 - .190)
53mm	.253 (.228 - .278)
103mm	.503 (.447 - .547)

- ☒ Barometric Pressure Check

Gauge ID # 26932

- ☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	SD3962	201507A 7-14-17
0.08	SD3964	201601F 1-26-18
0.20	SD3933	201604C 4-5-18
0.08 DGS	N/A	AG6A9605 7-14-18

Flow Calibration Performed By

- ☒ Flow Calibration N/A
- ☐ Flow Calibration Complete

Flow Column # NOV

- ☐ 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 SP

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

Barometric Pressure Gauge 1022 ID # 28427

Simulator	Serial Number	Lot Number	Expiration
0.000	G4444	N/A	N/A
0.040	G2882	16101	2-2-18
0.100	G2078	16001	5-8-18
0.200	G2408	16103	6-14-18
0.400	G5358	16102	3-22-18
0.080 DGS	N/A	03415080A2	3-5-17

☒ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD3962	201507A	7-14-17
0.08	SD3964	201601F	1-26-18
0.20	SD3933	201604C	4-5-18
0.08 DGS	N/A	AG6A9605	7-14-18

Department Inspection Performed By SP

☒ Barometric Pressure ID# 26932 — 1019 Gauge; 1020 Instrument

Mouth Alcohol Solution Lot # 2016-A

Acetone Stock Solution Lot # 2016-B

Simulator	Serial Number
0.00	G2880
Interferent	G2834
0.05	SD3962
0.08	SD3964
0.20	SD3933

Attachments

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

Notes: Performed optical bench cal to bring values closer to nominal sp.

QC KMB

- ☒ **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**

Scott Kirkland
Quality Control Review

11/2/16
Date

Revised November 2012

STABILITY CHECKS-INSTRUMENT#80-000951 - HENDRY COUNTY SO - 11/1/16 SP

HENDRY COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000951
11/01/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:01
Control Test	0.049	10:02
Air Blank	0.000	10:02
Control Test	0.048	10:03
Air Blank	0.000	10:03
Control Test	0.049	10:04
Air Blank	0.000	10:05
Control Test Stats		
Average	0.0487	
Std Dev	0.0006	
Rel Std Dev(%)	1.1863	

SP
Operator's Signature

DWB

HENDRY COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000951
11/01/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:06
Control Test	0.077	10:07
Air Blank	0.000	10:07
Control Test	0.078	10:08
Air Blank	0.000	10:08
Control Test	0.078	10:09
Air Blank	0.000	10:10
Control Test Stats		
Average	0.0777	
Std Dev	0.0006	
Rel Std Dev(%)	0.7434	

SP
Operator's Signature

HENDRY COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000951
11/01/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:16
Control Test	0.200	10:16
Air Blank	0.000	10:17
Control Test	0.199	10:18
Air Blank	0.000	10:18
Control Test	0.199	10:19
Air Blank	0.000	10:19
Control Test Stats		
Average	0.1993	
Std Dev	0.0006	
Rel Std Dev(%)	0.2896	

SP
Operator's Signature

HENDRY COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000951
11/01/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:22
Control Test	0.080	10:22
Air Blank	0.000	10:22
Control Test	0.080	10:23
Air Blank	0.000	10:23
Control Test	0.080	10:24
Air Blank	0.000	10:24
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

DGS

BK

SP
Operator's Signature

HENDRY COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000951
11/01/2016 12:30:15

Auto Calibration

Max Power Res Value = 33
Auto Range Res Value = 19

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12861, 9um Io = 13204

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0720	(-0.0130)
Sample #2 =	0.0810	(0.0430)
Sample #3 =	0.0740	(0.0420)
Sample #4 =	0.0770	(0.0860)
Avg % Abs =	0.0773	(0.0570)
STD DEV =	0.0035	(0.0251)
REL STD DEV =	4.541	(44.070)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0860	(0.0040)
Sample #2 =	0.0630	(0.0220)
Sample #3 =	0.0810	(0.0090)
Sample #4 =	0.0590	(0.0310)
Avg % Abs =	0.0677	(0.0207)
STD DEV =	0.0117	(0.0111)
REL STD DEV =	17.319	(53.518)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12845, 9um Io = 13198

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7730	(-0.0160)
Sample #2 =	0.7830	(-0.0110)
Sample #3 =	0.8160	(-0.0220)
Sample #4 =	0.8010	(0.0180)
Avg % Abs =	0.8000	(-0.0050)
STD DEV =	0.0165	(0.0207)
REL STD DEV =	2.065	(413.280)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4360	(-0.0070)
Sample #2 =	1.4540	(-0.0150)
Sample #3 =	1.4430	(-0.0110)
Sample #4 =	1.4690	(-0.0070)
Avg % Abs =	1.4553	(-0.0110)
STD DEV =	0.0131	(0.0040)
REL STD DEV =	0.897	(36.364)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12845, 9um Io = 13199

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.9070	(-0.0060)
Sample #2 =	1.9190	(0.0290)
Sample #3 =	1.8890	(0.0460)
Sample #4 =	1.9180	(0.0200)
Avg % Abs =	1.9087	(0.0317)
STD DEV =	0.0170	(0.0132)
REL STD DEV =	0.893	(41.695)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5300	(-0.0130)
Sample #2 =	3.5230	(0.0190)
Sample #3 =	3.5470	(0.0130)
Sample #4 =	3.5310	(0.0140)
Avg % Abs =	3.5337	(0.0153)
STD DEV =	0.0122	(0.0032)
REL STD DEV =	0.346	(20.964)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12844, 9um Io = 13199

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.7660	(-0.0060)
Sample #2 =	3.7230	(0.0180)
Sample #3 =	3.7290	(0.0470)
Sample #4 =	3.7340	(0.0230)
Avg % Abs =	3.7287	(0.0293)
STD DEV =	0.0055	(0.0155)
REL STD DEV =	0.148	(52.850)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.9000	(0.0020)
Sample #2 =	6.8700	(0.0260)
Sample #3 =	6.8820	(0.0420)
Sample #4 =	6.8800	(0.0290)
Avg % Abs =	6.8773	(0.0323)
STD DEV =	0.0064	(0.0085)
REL STD DEV =	0.093	(26.304)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12840, 9um Io = 13198

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.0570	(-0.0150)
Sample #2 =	7.0420	(0.0290)
Sample #3 =	7.0480	(0.0150)
Sample #4 =	7.0160	(0.0550)
Avg % Abs =	7.0353	(0.0330)
STD DEV =	0.0170	(0.0203)
REL STD DEV =	0.242	(61.508)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	12.8250	(0.0020)
Sample #2 =	12.8040	(0.0580)
Sample #3 =	12.7850	(0.0590)
Sample #4 =	12.7780	(0.0890)
Avg % Abs =	12.7890	(0.0687)
STD DEV =	0.0135	(0.0176)
REL STD DEV =	0.105	(25.655)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.077
Std Dev = 0.00 Rel Std Dev = 4.54
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.800
Std Dev = 0.02 Rel Std Dev = 2.07
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.909
Std Dev = 0.02 Rel Std Dev = 0.89
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.729
Std Dev = 0.01 Rel Std Dev = 0.15
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 7.035
Std Dev = 0.02 Rel Std Dev = 0.24
Zero Order Coef = -148.93
First Order Coef = 2473.30
Second Order Coef = 35.89
Standard Deviation = 51.112610

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.068
Std Dev = 0.01 Rel Std Dev = 17.32
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.455
Std Dev = 0.01 Rel Std Dev = 0.90
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.534
Std Dev = 0.01 Rel Std Dev = 0.35
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.877
Std Dev = 0.01 Rel Std Dev = 0.09
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 12.789
Std Dev = 0.01 Rel Std Dev = 0.11
Zero Order Coef = -43.88
First Order Coef = 1290.68
Second Order Coef = 15.73
Standard Deviation = 46.221207

Solution Stats Quadratic Fit Chan 1

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.001	-0.0011
0.040	0.039	0.0009
0.100	0.099	0.0011
0.200	0.201	-0.0012
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	0.0008
0.100	0.099	0.0010
0.200	0.201	-0.0011
0.400	0.400	0.0003

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3216.00
Sample #2 = 3221.00
Sample #3 = 3260.00
Sample #4 = 3223.00
Average Result = 3234.6667
STD DEV = 21.9621
REL STD DEV = 0.679
****
***** CHANNEL 2
Sample #1 = 3471.00
Sample #2 = 3449.00
Sample #3 = 3492.00
Sample #4 = 3487.00
Average Result = 3476.0000
STD DEV = 23.5160
REL STD DEV = 0.677
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1021
3 um H20 Adjust (mg/l*10,000) = 575
9 um H20 Adjust (mg/l*10,000) = 333
**** AUTO CAL PASS

OPTICAL BENCH CALIBRATION
INSTRUMENT#80-000951
HENDRY COUNTY SO
11/1/16 SP

BK

POST CALIBRATION STABILITY CHECKS- INSTRUMENT # 80-000951 - HENDRY COUNTY SO
11/1/16 SP

HENDRY COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000951
11/01/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:15
Control Test	0.050	13:16
Air Blank	0.000	13:16
Control Test	0.050	13:17
Air Blank	0.000	13:18
Control Test	0.051	13:18
Air Blank	0.000	13:19
Control Test Stats		
Average	0.0503	
Std Dev	0.0006	
Rel Std Dev(%)	1.1471	

SP
Operator's Signature

DGS

HENDRY COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000951
11/01/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:20
Control Test	0.080	13:21
Air Blank	0.000	13:21
Control Test	0.080	13:22
Air Blank	0.000	13:22
Control Test	0.080	13:23
Air Blank	0.000	13:23
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

SP
Operator's Signature

HENDRY COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000951
11/01/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:24
Control Test	0.199	13:25
Air Blank	0.000	13:26
Control Test	0.199	13:26
Air Blank	0.000	13:27
Control Test	0.199	13:28
Air Blank	0.000	13:28
Control Test Stats		
Average	0.1990	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

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Operator's Signature

HENDRY COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000951
11/01/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:12
Control Test	0.081	13:12
Air Blank	0.000	13:13
Control Test	0.080	13:13
Air Blank	0.000	13:13
Control Test	0.080	13:14
Air Blank	0.000	13:14
Control Test Stats		
Average	0.0803	
Std Dev	0.0006	
Rel Std Dev(%)	0.7187	

DGS

BK

SP
Operator's Signature