FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Florida Wildlife Conservation Commission S/N 80-000904

Date In 2/14/2017 Date Out 02/15/2017 ☐Ship ☐P/U ☑H/D ☐CMI ☐EE

Intake Performed By DELL

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

Notes: _____

Quality Checks Performed By DELL

- ☑ Breath Tube Screen
- ☑ Replace O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 191
- ☑ Flow Verification (L/s)

Flow Column # ATP101

32mm 152 (.139 - .169)
36mm 171 (.156 - .190)
53mm 238 (.228 - .278)
103mm 503 (.447 - .547)

- ☑ Barometric Pressure Check

Gauge ID # 28199

- ☑ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	SD3967	2016030
		03/08/2018
0.08	SD3968	2016011F
		01/26/2018
0.20	SD3969	201604C
		04/05/2018
0.08 DGS	N/A	AG605301
		02/22/2018

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)

RECEIVED
FEB 28 2017
FDLE
Alcohol Testing Program

Maintenance Performed By _____

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

Suggested Service

Optical Bench Calibration Performed By DELL

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

Barometric Pressure Gauge 1011 ID # 68639

Simulator	Serial Number	Lot Number	Expiration
0.000	2235	N/A	N/A
0.040	2226	15108	08/18/2017
0.100	2237	15001	05/20/2017
0.200	2238	15104	05/27/2017
0.400	2239	15105	06/10/2017
0.080 DGS	N/A	03415080A1	03/05/2017

- ☑ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD3967	2016030	03/08/2018
0.08	SD3968	2016011F	01/26/2018
0.20	SD3969	201604C	04/05/2018
0.08 DGS	N/A	AG605301	02/22/2018

Department Inspection Performed By DELL

- ☑ Barometric Pressure ID# 28199

1011 Gauge
1010 Instrument

Mouth Alcohol Solution Lot # 2016A

Acetone Stock Solution Lot # 2016B

Simulator	Serial Number
0.00	SD3965
Interferent	SD3966
0.05	SD3967
0.08	SD3968
0.20	SD3969

Attachments

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

Notes: E-MAILED 02/15/2017 APPROVED

Calibrated to bring values closer to nominal

QA/QC OK @ PM 2/27/2017

Brett Kirkland

Quality Control Review

2/28/17

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

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Post Stabilities	80-000904	Florida Wildlife Conservation Commission	2/15/2017	

BK

0.05g/210L

0.047 to 0.053 ☑

FFWCC SOUTH REGION
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000904
02/15/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:00
Control Test	0.050	11:01
Air Blank	0.000	11:01
Control Test	0.051	11:02
Air Blank	0.000	11:03
Control Test	0.050	11:03
Air Blank	0.000	11:04

Control Test Stats

Average	0.0503
Std Dev	0.0006
Rel Std Dev(%)	1.1471

Operator's Signature

0.08g/210L

0.077 to 0.083 ☑

FFWCC SOUTH REGION
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000904
02/15/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:05
Control Test	0.080	11:06
Air Blank	0.000	11:06
Control Test	0.080	11:07
Air Blank	0.000	11:07
Control Test	0.079	11:08
Air Blank	0.000	11:09

Control Test Stats

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

Operator's Signature

0.20g/210L

0.194 to 0.206 ☑

FFWCC SOUTH REGION
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000904
02/15/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:10
Control Test	0.199	11:10
Air Blank	0.000	11:11
Control Test	0.198	11:12
Air Blank	0.000	11:12
Control Test	0.197	11:13
Air Blank	0.000	11:13

Control Test Stats

Average	0.1980
Std Dev	0.0010
Rel Std Dev(%)	0.5051

Operator's Signature

DGS 0.08g/210L

0.077 to 0.083 ☑

FFWCC SOUTH REGION
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000904
02/15/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:15
Control Test	0.079	11:15
Air Blank	0.000	11:16
Control Test	0.080	11:16
Air Blank	0.000	11:16
Control Test	0.081	11:17
Air Blank	0.000	11:17

Control Test Stats

Average	0.0800
Std Dev	0.0010
Rel Std Dev(%)	1.2500

Operator's Signature

PPM

FFWCC SOUTH REGION
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000904
02/15/2017 09:59:52

Auto Calibration
Max Power Res Value = 50
Auto Range Res Value = 37

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 4
Sum Io = 12995, Sum Io = 12520

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0720	(-0.0110)
Sample #2 =	0.0780	(0.0240)
Sample #3 =	0.0710	(0.0060)
Sample #4 =	0.0890	(0.0110)

Avg % Abs = 0.0793 (0.0137)
STD DEV = 0.0091 (0.0093)
REL STD DEV = 11.438 (67.987)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0930	(-0.0220)
Sample #2 =	0.0840	(0.0110)
Sample #3 =	0.1130	(-0.0210)
Sample #4 =	0.0980	(-0.0030)

Avg % Abs = 0.0983 (-0.0043)
STD DEV = 0.0145 (0.0160)
REL STD DEV = 14.749 (370.191)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
Sum Io = 12899, Sum Io = 12520

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8360	(-0.0200)
Sample #2 =	0.8410	(-0.0270)
Sample #3 =	0.8290	(0.0160)
Sample #4 =	0.8280	(0.0030)

Avg % Abs = 0.8327 (-0.0020)
STD DEV = 0.0072 (0.0229)
REL STD DEV = 0.869 (1145.644)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4830	(-0.0040)
Sample #2 =	1.5070	(-0.0060)
Sample #3 =	1.4810	(0.0140)
Sample #4 =	1.4670	(0.0200)

Avg % Abs = 1.4850 (0.0093)
STD DEV = 0.0203 (0.0136)
REL STD DEV = 1.367 (145.851)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
Sum Io = 12894, Sum Io = 12516

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.9540	(-0.0230)
Sample #2 =	1.9640	(0.0130)
Sample #3 =	1.9770	(0.0000)
Sample #4 =	1.9630	(0.0060)

Avg % Abs = 1.9680 (0.0063)
STD DEV = 0.0078 (0.0065)
REL STD DEV = 0.397 (102.733)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5920	(-0.0040)
Sample #2 =	3.5900	(0.0300)
Sample #3 =	3.6360	(0.0160)
Sample #4 =	3.6380	(0.0440)

Avg % Abs = 3.6213 (0.0300)
STD DEV = 0.0272 (0.0140)
REL STD DEV = 0.750 (46.667)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
Sum Io = 12893, Sum Io = 12513

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.8310	(-0.0150)
Sample #2 =	3.8260	(0.0360)
Sample #3 =	3.8190	(0.0170)
Sample #4 =	3.8120	(0.0580)

Avg % Abs = 3.8190 (0.0370)
STD DEV = 0.0070 (0.0205)
REL STD DEV = 0.183 (55.455)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.0550	(-0.0240)
Sample #2 =	7.0340	(0.0380)
Sample #3 =	7.0380	(0.0310)
Sample #4 =	7.0140	(0.0600)

Avg % Abs = 7.0287 (0.0430)
STD DEV = 0.0129 (0.0151)
REL STD DEV = 0.183 (35.192)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
Sum Io = 12889, Sum Io = 12512

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.2740	(-0.0120)
Sample #2 =	7.2040	(0.0180)
Sample #3 =	7.2370	(0.0320)
Sample #4 =	7.2200	(0.0410)

Avg % Abs = 7.2203 (0.0303)
STD DEV = 0.0165 (0.0116)
REL STD DEV = 0.229 (38.210)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	13.1150	(-0.0080)
Sample #2 =	13.0050	(0.0780)
Sample #3 =	13.0490	(0.1060)
Sample #4 =	13.0460	(0.1870)

Avg % Abs = 13.0333 (0.0903)
STD DEV = 0.0246 (0.0143)
REL STD DEV = 0.189 (15.824)

Optical Calibration
SN: 80-000904
Agency: FWCC
Date: 02/15/2017
Quadratic Fit: +/-0.002g/210L
By:

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.079
Std Dev = 0.01 Rel Std Dev = 11.44
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.837
Std Dev = 0.01 Rel Std Dev = 0.87
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.966
Std Dev = 0.01 Rel Std Dev = 0.40
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.810
Std Dev = 0.01 Rel Std Dev = 0.18
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 7.220
Std Dev = 0.02 Rel Std Dev = 0.23
Zero Order Coef = -159.53
First Order Coef = 2417.55
Second Order Coef = 33.45
Standard Deviation = 33.351261

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.098
Std Dev = 0.01 Rel Std Dev = 14.75
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.485
Std Dev = 0.02 Rel Std Dev = 1.37
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.621
Std Dev = 0.03 Rel Std Dev = 0.75
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 7.029
Std Dev = 0.01 Rel Std Dev = 0.18
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 13.033
Std Dev = 0.02 Rel Std Dev = 0.19
Zero Order Coef = -65.78
First Order Coef = 1264.40
Second Order Coef = 15.42
Standard Deviation = 56.599331

Solution Stats Quadratic Fit Chan 1		
Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.001	-0.0007
0.040	0.039	0.0006
0.100	0.099	0.0007
0.200	0.201	-0.0009
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	-0.0012
0.040	0.039	0.0012
0.100	0.099	0.0010
0.200	0.201	-0.0012
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 =	3151.00
Sample #2 =	3051.00
Sample #3 =	3088.00
Sample #4 =	3180.00

Average Result = 3106.3333
STD DEV = 66.4254
REL STD DEV = 2.138

****

***** CHANNEL 2

Sample #1 =	3416.00
Sample #2 =	3357.00
Sample #3 =	3386.00
Sample #4 =	3435.00

Average Result = 3392.6667
STD DEV = 39.4250
REL STD DEV = 1.162

****

Dry Gas H20 Adjust Results **********
Barometric Pressure = 1011
3 um H20 Adjust (mg/l*10,000) = 703
9 um H20 Adjust (mg/l*10,000) = 417

**** AUTO CAL PASS

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Stabilities	80-000904	Florida Wildlife Conservation Commission	02/15/2017	

0.05g/210L

0.047 to 0.053 ☑

FFWCC SOUTH REGION
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000904
02/15/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:06
Control Test	0.049	09:07
Air Blank	0.000	09:07
Control Test	0.048	09:08
Air Blank	0.000	09:08
Control Test	0.049	09:09
Air Blank	0.000	09:09

Control Test Stats

Average	0.0487
Std Dev	0.0006
Rel Std Dev(%)	1.1863

Operator's Signature

0.08g/210L

0.077 to 0.083 ☑

FFWCC SOUTH REGION
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000904
02/15/2017
Software: 8100.27

Test	g/210L	Time
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	0.079	09:14
Air Blank	0.000	09:15

Control Test Stats

Average	0.0787
Std Dev	0.0006
Rel Std Dev(%)	0.7339

Operator's Signature

0.20g/210L

0.194 to 0.206 ☑

FFWCC SOUTH REGION
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000904
02/15/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:22
Control Test	0.196	09:23
Air Blank	0.000	09:23
Control Test	0.195	09:24
Air Blank	0.000	09:25
Control Test	0.195	09:25
Air Blank	0.000	09:26

Control Test Stats

Average	0.1953
Std Dev	0.0006
Rel Std Dev(%)	0.2956

Operator's Signature

DGS 0.08g/210L

0.077 to 0.083 ☑

FFWCC SOUTH REGION
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000904
02/15/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:29
Control Test	0.081	09:29
Air Blank	0.000	09:30
Control Test	0.081	09:30
Air Blank	0.000	09:31
Control Test	0.080	09:31
Air Blank	0.000	09:31

Control Test Stats

Average	0.0807
Std Dev	0.0006
Rel Std Dev(%)	0.7157

Operator's Signature