FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Highlands County S/N 80-001043

Date In 11/2/16 Date Out 11/2/16 ☐Ship ☐P/U ☐H/D ☒CMI ☒EE

RECEIVED
APR 04 2017
FDLE
Alcohol Testing Program

Intake Performed By DS

- ☐ 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 _____

Notes: _____

Quality Checks Performed By SP

- ☒ Breath Tube Screen
- ☒ Replace O-Rings
- ☒ Instrument Set Up Verified
- ☒ R-Value 126
- ☐ Flow Verification (L/s)
  - Flow Column # _____
  - 32mm _____ (.139 - .169)
  - 36mm _____ (.156 - .190)
  - 53mm _____ (.228 - .278)
  - 103mm _____ (.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	

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 _____

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

Barometric Pressure Gauge _____ ID # _____

Simulator	Serial Number	Lot Number	Expiration
0.000		N/A	N/A
0.040			
0.100			
0.200			
0.400			
0.080 DGS	N/A		

☐ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05			
0.08			
0.20			
0.08 DGS	N/A		

Department Inspection Performed By _____

- ☐ Barometric Pressure _____ Gauge
  ID# _____ _____ Instrument

Mouth Alcohol Solution Lot # _____

Acetone Stock Solution Lot # _____

Simulator	Serial Number
0.00	
Interferent	
0.05	
0.08	
0.20	

Attachments

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

Notes: QC RDS

- ☐ **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**

Quality Control Review _____ Date _____

HIGHLANDS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001043
11/02/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	AMB*	11:00
Air Blank	PUR**	11:01

*Ambient Fail
**Purge Fail

SP
Operator's Signature

HIGHLANDS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001043
11/02/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	AMB*	11:03
Air Blank	AMB*	11:03

*Ambient Fail

SP
Operator's Signature

FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Highlands County SO S/N 80-001043

Date In 7/6/16 Date Out 7/14/16 ☑Ship ☐P/U ☐H/D ☐CMI ☐EE

RECEIVED JUL 15 2016 FDLE Alcohol Testing Program

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 RMS

- ☑ Breath Tube Screen
- ☑ Replace O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 131
- ☑ Flow Verification (L/s)
  - Flow Column # ATP102
  - 32mm 0.160 (.139 - .169)
  - 36mm 0.179 (.156 - .190)
  - 53mm 0.242 (.228 - .278)
  - 103mm 0.515 (.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	AG605301 2/22/18

Flow Calibration Performed By

- ☑ Flow Calibration N/A
- ☐ Flow Calibration Complete
  - Flow Column # _____
  - ☐ 5L/min – 43mm
  - ☐ 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 RMS

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

Barometric Pressure Gauge 1017 ID # 26932

Simulator	Serial Number	Lot Number	Expiration
0.000	DR1275	N/A	N/A
0.040	G2882	16101	2/2/18
0.100	G2078	15001	5/20/17
0.200	G2408	15104	5/27/17
0.400	G5358	15105	6/10/17
0.080 DGS	N/A	03415080A1	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	AG612405	5/3/18

Department Inspection Performed By RMS

- ☑ Barometric Pressure ID# 28427 — 1018 Gauge / 1016 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 Post-DI DGS Check

Notes: QC 7/15/16 RMS
Performed optical bench calibration to bring values closer to nominal RMS

- ☑ **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 Kirkland
Quality Control Review

7/15/16
Date

Revised November 2012

Pre-Cal Stability Checks 80-001043 Highlands County SO. 7/6/16 DWB RK

DGS

HIGHLANDS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001043
07/06/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	16:29
Control Test	0.045 -	16:30
Air Blank	0.000	16:30
Control Test	0.045 -	16:31
Air Blank	0.000	16:32
Control Test	0.046 -	16:32
Air Blank	0.000	16:33
Control Test Stats		
Average	0.0453	
Std Dev	0.0006	
Rel Std Dev(%)	1.2736	

DWB
Operator's Signature

HIGHLANDS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001043
07/06/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	16:52
Control Test	0.045 -	16:53
Air Blank	0.000	16:53
Control Test	0.047	16:54
Air Blank	0.000	16:54
Control Test	0.047	16:55
Air Blank	0.000	16:56
Control Test Stats		
Average	0.0463	
Std Dev	0.0012	
Rel Std Dev(%)	2.4922	

DWB
Operator's Signature

HIGHLANDS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001043
07/06/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	16:35
Control Test	0.077	16:36
Air Blank	0.000	16:36
Control Test	0.079	16:37
Air Blank	0.000	16:37
Control Test	0.078	16:38
Air Blank	0.000	16:38
Control Test Stats		
Average	0.0780	
Std Dev	0.0010	
Rel Std Dev(%)	1.2821	

DWB
Operator's Signature

HIGHLANDS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001043
07/06/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	16:44
Control Test	0.198	16:44
Air Blank	0.000	16:45
Control Test	0.198	16:45
Air Blank	0.000	16:46
Control Test	0.197	16:47
Air Blank	0.000	16:47
Control Test Stats		
Average	0.1977	
Std Dev	0.0006	
Rel Std Dev(%)	0.2921	

DWB
Operator's Signature

HIGHLANDS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001043
07/06/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	16:48
Control Test	0.079	16:49
Air Blank	0.000	16:49
Control Test	0.078	16:49
Air Blank	0.000	16:50
Control Test	0.080	16:50
Air Blank	0.000	16:51
Control Test Stats		
Average	0.0790	
Std Dev	0.0010	
Rel Std Dev(%)	1.2658	

DWB
Operator's Signature

Checked seals - Released DWB

Optical Bench Calibration Data #80-001043 Highlands County S.O. 7/14/16 RB

HIGHLANDS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001043
07/14/2016 12:02:49

Auto Calibration
Max Power Res Value = 28
Auto Range Res Value = 17

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12838, 9um Io = 13543

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0920	(-0.0220)
Sample #2 =	0.0560	(0.0000)
Sample #3 =	0.1010	(-0.0060)
Sample #4 =	0.0790	(0.0060)

Avg % Abs = 0.0787 (0.0000)
STD DEV = 0.0225 (0.0060)
REL STD DEV = 28.604 (0.000)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0730	(0.0050)
Sample #2 =	0.0790	(-0.0130)
Sample #3 =	0.0940	(-0.0140)
Sample #4 =	0.0860	(-0.0130)

Avg % Abs = 0.0863 (-0.0133)
STD DEV = 0.0075 (0.0006)
REL STD DEV = 8.694 (4.330)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12835, 9um Io = 13543

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7800	(-0.0360)
Sample #2 =	0.7970	(-0.0160)
Sample #3 =	0.8100	(-0.0340)
Sample #4 =	0.7920	(0.0020)

Avg % Abs = 0.7997 (-0.0160)
STD DEV = 0.0093 (0.0180)
REL STD DEV = 1.162 (112.500)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4660	(-0.0220)
Sample #2 =	1.4920	(-0.0230)
Sample #3 =	1.4850	(-0.0230)
Sample #4 =	1.4590	(0.0000)

Avg % Abs = 1.4787 (-0.0153)
STD DEV = 0.0174 (0.0133)
REL STD DEV = 1.176 (86.603)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12833, 9um Io = 13543

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8620	(-0.0160)
Sample #2 =	1.8560	(0.0000)
Sample #3 =	1.8890	(0.0120)
Sample #4 =	1.9230	(0.0170)

Avg % Abs = 1.8893 (0.0097)
STD DEV = 0.0335 (0.0087)
REL STD DEV = 1.773 (90.382)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5680	(0.0100)
Sample #2 =	3.5960	(-0.0040)
Sample #3 =	3.5940	(0.0110)
Sample #4 =	3.6100	(0.0220)

Avg % Abs = 3.6000 (0.0097)
STD DEV = 0.0087 (0.0131)
REL STD DEV = 0.242 (135.012)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12824, 9um Io = 13538

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6040	(-0.0100)
Sample #2 =	3.6170	(0.0240)
Sample #3 =	3.6270	(0.0060)
Sample #4 =	3.6440	(0.0210)

Avg % Abs = 3.6293 (0.0170)
STD DEV = 0.0137 (0.0096)
REL STD DEV = 0.376 (56.727)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.9180	(0.0100)
Sample #2 =	6.9800	(0.0070)
Sample #3 =	6.9660	(0.0060)
Sample #4 =	7.0030	(0.0210)

Avg % Abs = 6.9830 (0.0113)
STD DEV = 0.0187 (0.0084)
REL STD DEV = 0.268 (73.999)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12822, 9um Io = 13536

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.8590	(-0.0350)
Sample #2 =	6.8770	(-0.0220)
Sample #3 =	6.8770	(0.0190)
Sample #4 =	6.8750	(0.0030)

Avg % Abs = 6.8763 (0.0000)
STD DEV = 0.0012 (0.0207)
REL STD DEV = 0.017 (0.000)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	13.0090	(-0.0200)
Sample #2 =	12.9980	(0.0110)
Sample #3 =	13.0180	(0.0300)
Sample #4 =	13.0720	(-0.0040)

Avg % Abs = 13.0293 (0.0123)
STD DEV = 0.0383 (0.0170)
REL STD DEV = 0.294 (138.155)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.079
Std Dev = 0.02 Rel Std Dev = 28.60
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.800
Std Dev = 0.01 Rel Std Dev = 1.16
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.889
Std Dev = 0.03 Rel Std Dev = 1.77
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.629
Std Dev = 0.01 Rel Std Dev = 0.38
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.876
Std Dev = 0.00 Rel Std Dev = 0.02
Zero Order Coef = -180.20
First Order Coef = 2544.93
Second Order Coef = 36.48
Standard Deviation = 18.049417

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.086
Std Dev = 0.01 Rel Std Dev = 8.69
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.479
Std Dev = 0.02 Rel Std Dev = 1.18
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.600
Std Dev = 0.01 Rel Std Dev = 0.24
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.983
Std Dev = 0.02 Rel Std Dev = 0.27
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 13.029
Std Dev = 0.04 Rel Std Dev = 0.29
Zero Order Coef = -65.26
First Order Coef = 1279.81
Second Order Coef = 14.30
Standard Deviation = 43.406261

Solution Stats Quadratic Fit Chan 1

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0004
0.040	0.039	0.0006
0.100	0.100	0.0001
0.200	0.200	-0.0003
0.400	0.400	0.0001

Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.001	-0.0010
0.040	0.039	0.0010
0.100	0.099	0.0007
0.200	0.201	-0.0009
0.400	0.400	0.0002

Sol Value = 0.080 g/210L *** BK
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3011.00
Sample #2 = 3071.00
Sample #3 = 3015.00
Sample #4 = 2944.00
Average Result = 3010.0000
STD DEV = 63.6475
REL STD DEV = 2.115
****
***** CHANNEL 2
Sample #1 = 3306.00
Sample #2 = 3340.00
Sample #3 = 3346.00
Sample #4 = 3323.00
Average Result = 3336.3333
STD DEV = 11.9304
REL STD DEV = 0.358
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1017
3 um H20 Adjust (mg/l*10,000) = 799
9 um H20 Adjust (mg/l*10,000) = 473
**** AUTO CAL PASS

Post-Cal Stability Checks #80-001043 Highlands County S.O. 7/14/16 RMB

BK

HIGHLANDS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001043
07/14/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:48
Control Test	0.049	12:49
Air Blank	0.000	12:49
Control Test	0.049	12:50
Air Blank	0.000	12:50
Control Test	0.050	12:51
Air Blank	0.000	12:5!
Control Test Stats		
Average	0.0493	
Std Dev	0.0006	
Rel Std Dev(%)	1.1703	

Operator's Signature

HIGHLANDS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001043
07/14/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:57
Control Test	0.079	12:58
Air Blank	0.000	12:58
Control Test	0.08!	12:59
Air Blank	0.000	12:59
Control Test	0.080	13:00
Air Blank	0.000	13:01
Control Test Stats		
Average	0.0800	
Std Dev	0.0010	
Rel Std Dev(%)	1.2500	

Operator's Signature

HIGHLANDS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001043
07/14/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:03
Control Test	0.198	13:03
Air Blank	0.000	13:04
Control Test	0.198	13:04
Air Blank	0.000	13:05
Control Test	0.199	13:06
Air Blank	0.000	13:06
Control Test Stats		
Average	0.1983	
Std Dev	0.0006	
Rel Std Dev(%)	0.2911	

Operator's Signature

DS

HIGHLANDS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001043
07/14/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:07
Control Test	0.081	13:07
Air Blank	0.000	13:08
Control Test	0.080	13:08
Air Blank	0.000	13:09
Control Test	0.080	13:09
Air Blank	0.000	13:09
Control Test Stats		
Average	0.0803	
Std Dev	0.0006	
Rel Std Dev(%)	0.7187	

Operator's Signature

Recheck of Dry Gas.
80-001043
Highlands County SO
7/14/16 DGS

DGS

HIGHLANDS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001043
07/14/2016
Software: 8100.27

BK

Test	g/210L	Time
Air Blank	0.000	16:50
Control Test	0.080	16:50
Air Blank	0.000	16:50
Control Test	0.080	16:51
Air Blank	0.000	16:51
Control Test	0.080	16:51
Air Blank	0.000	16:52
Control Test	0.081	16:52
Air Blank	0.000	16:53
Control Test	0.081	16:53
Air Blank	0.000	16:54
Control Test	0.081	16:54
Air Blank	0.000	16:54
Control Test	0.080	16:55
Air Blank	0.000	16:55
Control Test	0.081	16:55
Air Blank	0.000	16:56
Control Test	0.082	16:56
Air Blank	0.000	16:57
Control Test	0.081	16:57
Air Blank	0.000	16:58

Control Test Stats

Average	0.0807
Std Dev	0.0007
Rel Std Dev(%)	0.8364

Operator's Signature