FDLE Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency DeLand PD S/N 80-001136

Date In 2/4/16 Date Out ~~2/8/16~~ ~~3/8/16~~ 4/26/16 ☑ Ship ☐ P/U ☐ H/D ☐ CMI ☐ EE

Intake Performed By TP

- ☐ 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 Static Bag

Notes:

Quality Checks Performed By [initials]

- ☑ Breath Tube Screen
- ☑ Replace O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 206
- ☑ Flow Verification (L/s)

Flow Column # A7P105

32mm 152 (.139 - .169)
36mm 174 (.156 - .190)
53mm 251 (.228 - .278)
103mm 511 (.447 - .547)

- ☑ Barometric Pressure Check

Gauge ID # 28427

- ☑ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	SD1018	201507A 7/14/17
0.08	SD1011	2015026 2/24/17
0.20	SD1025	2015051A 5/12/17
0.08 DGS	N/A	AG511701 4/27/17

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 APR 26 2016 FDLE Alcohol Testing Program

Maintenance Performed By ______

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

Suggested Service

Optical Bench Calibration Performed By [initials]

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

Barometric Pressure Gauge 1014 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	~~2/2/~~ 15001	5/20/17
0.200	G2408	15104	5/27/17
0.400	G5358	15105	6/10/17
0.080 DGS	N/A	2451508OA2	10/5/17

☑ 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	G4444	2015051A	5/12/17
0.08 DGS	N/A	AG605301	2/22/18

Notes: QC-13K
QC-PWS

Department Inspection Performed By [initials]

☑ Barometric Pressure ID# 28427 — 1015 / 1014 Gauge; 1017 / 1014 Instrument

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

Simulator	Serial Number
0.00	SD1027
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

- ☑ **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 Strickland [signature] 4/26/16

Quality Control Review Date

80-001136
Stability Checks
2/8/16

INTOXILYZER 8000
Instrument Initialization
08:08 02/08/2016

DELAND PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001136
02/08/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:47
Control Test	0.077	08:48
Air Blank	0.000	08:48
Control Test	0.078	08:49
Air Blank	0.000	08:49
Control Test	0.079	08:50
Air Blank	0.000	08:51
Control Test Stats		
Average	0.0780	
Std Dev	0.0010	
Rel Std Dev(%)	1.2821	

Operator's Signature

DELAND PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001136
02/08/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:52
Control Test	0.050	08:53
Air Blank	0.000	08:53
Control Test	0.051	08:54
Air Blank	0.000	08:54
Control Test	0.051	08:55
Air Blank	0.000	08:56
Control Test Stats		
Average	0.0507	
Std Dev	0.0006	
Rel Std Dev(%)	1.1395	

Operator's Signature

DELAND PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001136
02/08/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:57
Control Test	0.080	08:57
Air Blank	0.000	08:58
Control Test	0.081	08:58
Air Blank	0.000	08:59
Control Test	0.081	08:59
Air Blank	0.000	08:59
Control Test Stats		
Average	0.0807	
Std Dev	0.0006	
Rel Std Dev(%)	0.7157	

DGS BK

Operator's Signature

DELAND PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001136
02/08/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:21
Control Test	0.206	09:21
Air Blank	0.000	09:22
Control Test	0.206	09:23
Air Blank	0.000	09:23
Control Test	0.206	09:24
Air Blank	0.000	09:25
Control Test Stats		
Average	0.2060	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

INTOXILYZER 8000
Instrument Initialization
08:12 04/26/2016

DELAND PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001136
04/26/2016 08:36:31

Auto Calibration
Max Power Res Value = 14
Auto Range Res Value = 10

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12683, 9um Io = 14130

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0950	(-0.0070)
Sample #2 =	0.1020	(0.0080)
Sample #3 =	0.0970	(0.0440)
Sample #4 =	0.0950	(0.0670)

Avg % Abs = 0.0980 (0.0397)
STD DEV = 0.0036 (0.0297)
REL STD DEV = 3.679 (74.969)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0970	(0.0020)
Sample #2 =	0.0850	(0.0140)
Sample #3 =	0.0920	(0.0140)
Sample #4 =	0.0850	(0.0300)

Avg % Abs = 0.0873 (0.0193)
STD DEV = 0.0040 (0.0092)
REL STD DEV = 4.528 (47.781)

Sol Value = 0.040 g/210L ***
Fit value = 0.[illegible] mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12643, 9um Io = 14103

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8030	(-0.0160)
Sample #2 =	0.8250	(0.0130)
Sample #3 =	0.8200	(0.0340)
Sample #4 =	0.8160	(0.0540)

Avg % Abs = 0.8203 (0.0337)
STD DEV = 0.0045 (0.0205)
REL STD DEV = 0.550 (60.897)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5280	(0.0000)
Sample #2 =	1.5310	(0.0250)
Sample #3 =	1.5390	(0.0320)
Sample #4 =	1.5130	(0.0560)

Avg % Abs = 1.5277 (0.0377)
STD DEV = 0.0133 (0.0163)
REL STD DEV = 0.872 (43.164)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12635, 9um Io = 14086

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.9230	(-0.0110)
Sample #2 =	1.9280	(0.0260)
Sample #3 =	1.9080	(0.0460)
Sample #4 =	1.8960	(0.0600)

Avg % Abs = 1.9107 (0.0440)
STD DEV = 0.0162 (0.0171)
REL STD DEV = 0.846 (38.836)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.7470	(-0.0270)
Sample #2 =	3.7030	(0.0350)
Sample #3 =	3.6900	(0.0440)
Sample #4 =	3.6960	(0.0450)

Avg % Abs = 3.6963 (0.0413)
STD DEV = 0.0265 (0.0055)
REL STD DEV = 0.175 (13.325)

Sol Value = 0.[illegible] g/210L ***
Fit value = 0.[illegible] mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12628, 9um Io = 14082

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.7150	(-0.0090)
Sample #2 =	3.6760	(0.0630)
Sample #3 =	3.7020	(0.0670)
Sample #4 =	3.6720	(0.0970)

Avg % Abs = 3.6833 (0.0757)
STD DEV = 0.0163 (0.0186)
REL STD DEV = 0.442 (24.559)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.1920	(-0.0270)
Sample #2 =	7.1180	(0.0750)
Sample #3 =	7.1230	(0.0810)
Sample #4 =	7.0960	(0.1130)

Avg % Abs = 7.1123 (0.0897)
STD DEV = 0.0144 (0.0204)
REL STD DEV = 0.202 (22.783)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12617, 9um Io = 14075

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.9940	(-0.0280)
Sample #2 =	6.9290	(0.0870)
Sample #3 =	6.9400	(0.0900)
Sample #4 =	6.9520	(0.1170)

Avg % Abs = 6.9403 (0.0980)
STD DEV = 0.0115 (0.0165)
REL STD DEV = 0.166 (16.860)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	13.3190	(-0.0050)
Sample #2 =	13.1900	(0.1780)
Sample #3 =	13.1670	(0.1940)
Sample #4 =	13.2060	(0.1930)

Avg % Abs = 13.1877 (0.1883)
STD DEV = 0.0195 (0.0090)
REL STD DEV = 0.149 (4.759)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.098
Std Dev = 0.00 Rel Std Dev = 3.68
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.820
Std Dev = 0.00 Rel Std Dev = 0.55
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.911
Std Dev = 0.02 Rel Std Dev = 0.85
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.683
Std Dev = 0.02 Rel Std Dev = 0.44
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.940
Std Dev = 0.01 Rel Std Dev = 0.17
Zero Order Coef = -214.48
First Order Coef = 2517.12
Second Order Coef = 37.06
Standard Deviation = 32.686077

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.087
Std Dev = 0.00 Rel Std Dev = 4.63
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.528
Std Dev = 0.01 Rel Std Dev = 0.87
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.696
Std Dev = 0.01 Rel Std Dev = 0.18
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 7.112
Std Dev = 0.01 Rel Std Dev = 0.20
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 13.188
Std Dev = 0.02 Rel Std Dev = 0.15
Zero Order Coef = -71.09
First Order Coef = 1242.91
Second Order Coef = 15.63
Standard Deviation = 35.572418

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.[illegible]
0.200	0.201	-0.[illegible]
0.400	0.400	0.[illegible]

80-001136
optical Bench Calibration
4/26/16

TSK

Solution Stats Quadratic Fit Chan 2		
Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.001	-0.0008
0.040	0.039	0.0009
0.100	0.099	0.0005
0.200	0.201	-0.0008
0.400	0.400	0.0002

PWD

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 2956.00
Sample #2 = 2937.00
Sample #3 = 3019.00
Sample #4 = 2995.00
Average Result = 2983.6667
STD DEV = 42.1584
REL STD DEV = 1.413
****
***** CHANNEL 2
Sample #1 = 3314.00
Sample #2 = 3333.00
Sample #3 = 3358.00
Sample #4 = 3335.00
Average Result = 3342.0000
STD DEV = 13.8924
REL STD DEV = 0.416
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1014
3 um H20 Adjust (mg/l*10,000) = 826
9 um H20 Adjust (mg/l*10,000) = 467
**** AUTO CAL PASS

80-001136
Post op. Bench Cal. Stability checks
4/26/16

DELAND PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001136
04/26/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:29
Control Test	0.080	09:29
Air Blank	0.000	09:30
Control Test	0.080	09:30
Air Blank	0.000	09:31
Control Test	0.080	09:31
Air Blank	0.000	09:31
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

DGS.

Operator's Signature

DELAND PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001136
04/26/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:33
Control Test	0.051	09:34
Air Blank	0.000	09:35
Control Test	0.050	09:35
Air Blank	0.000	09:36
Control Test	0.051	09:37
Air Blank	0.000	09:37
Control Test Stats		
Average	0.0507	
Std Dev	0.0006	
Rel Std Dev(%)	1.1395	

Operator's Signature

DELAND PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001136
04/26/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:38
Control Test	0.080	09:38
Air Blank	0.000	09:39
Control Test	0.081	09:39
Air Blank	0.000	09:40
Control Test	0.080	09:40
Air Blank	0.000	09:40
Control Test Stats		
Average	0.0803	
Std Dev	0.0006	
Rel Std Dev(%)	0.7187	

Operator's Signature

DELAND PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001136
04/26/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:41
Control Test	0.201	09:42
Air Blank	0.000	09:42
Control Test	0.200	09:43
Air Blank	0.000	09:44
Control Test	0.200	09:44
Air Blank	0.000	09:45
Control Test Stats		
Average	0.2003	
Std Dev	0.0006	
Rel Std Dev(%)	0.2882	

PJS

BK

Operator's Signature