FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Surfside Police Department S/N 80-002566

Date In 8/3/2017 Date Out 8/3/2017 ☑Ship ☐P/U ☐H/D ☐CMI ☐EE

RECEIVED AUG 16 2017 FDLE Alcohol Testing Program

Intake
Performed By David Reyes-Rivera

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

Visual Inspection:

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

Other Equipment:
- ☐ Power cord
- ☐ Printer Cable
- ☑ Other Anti Static Bag

Notes: Broken plastic tip to dry gas regulator hose.

Quality Checks
Performed By David Reyes-Rivera

- ☑ Lab Temp °C 21.98
- ☑ Breath Tube Screen
- ☑ Replace External O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 179
- ☑ Flow Verification (L/s)

Flow Column # ATP101

32mm	.152	(.139 - .169)
36mm	.171	(.156 - .190)
53mm	.238	(.228 - .278)
103mm	.488	(.447 - .547)

- ☑ Barometric Pressure Check

Gauge ID # 28663

- ☑ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	SD3967	201603D
		03/08/2018
0.08	SD3968	201611B
		11/15/2018
0.20	SD3969	201604C
		04/05/2018
0.08 DGS	N/A	AG626605
		09/22/2018

Flow Calibration
Performed By David Reyes-Rivera

- ☑ 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 David Reyes-Rivera

- ☑ Battery Replacement
- ☐ Dry Gas Regulator Replacement
- ☐ Breath Tube Replacement
- ☑ Other Dry gas regulator tip replaced

Quality Checks Cont.
Performed By David Reyes-Rivera

Simulator Temperatures °C

External Digital Therm. ID#: 300918

- ☑ 34°C +-.2 Serial #: SD3967
- ☑ 34°C +-.2 Serial #: SD3968
- ☑ 34°C +-.2 Serial #: SD3969

Calibration Adjustment
Performed By David Reyes-Rivera

- ☐ Calibration Adjustment N/A
- ☑ Calibration Adjustment Complete

Barometric Pressure Gauge 1014 ID # 68639

Simulator	Serial Number	Lot Number	Expiration
0.000	2235	N/A	N/A
0.040	2236	16320	10/21/2018
0.100	2237	17060	02/14/2019
0.200	2238	17090	02/24/2019
0.300	2239	16410	12/19/2018
0.080 DGS	N/A	34416080A2	02/05/2019

☑ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD3967	201603D	03/08/2018
0.08	SD3968	201611B	11/15/2018
0.20	SD3969	201604C	04/05/2018
0.08 DGS	N/A	AG626605	09/22/2018

Department Inspection
Performed By David Reyes-Rivera

☑ Barometric Pressure ID# 28663 — 1016 Gauge / 1014 Instrument

Mouth Alcohol Solution Lot # 2016-A

Acetone Stock Solution Lot # 2016-B

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

Attachments

☑ Form 41	☑ Calibration Adjustment
☑ Pre-Stability Tests	☑ Post-Stability Tests
☐ Flow Calibration	☐ Other

Notes/Suggested Service: LCKR

E-Mailed: 8/7/2017 Calibrated, bring values closer to nominal

☑ APPROVED

QA/QC OK CRM 8/16/2017 by Eubanks 8/16/17

Quality Control Review 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**

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Post Stabilities	80-002566	Surfside Police Department	8/7/2017	

0.05g/210L

SN: SD3967 Temp: 34.05

0.047 to 0.053 ☑

SURFSIDE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-002566
08/07/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	07:19
Control Test	0.050	07:20
Air Blank	0.000	07:21
Control Test	0.050	07:21
Air Blank	0.000	07:22
Control Test	0.050	07:23
Air Blank	0.000	07:23

Control Test Stats

Average	0.0500
Std Dev	0.0000
Rel Std Dev(%)	0.0000

Operator's Signature

0.08g/210L

SN: SD3968 Temp: 34.09

0.077 to 0.083 ☑

SURFSIDE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-002566
08/07/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	07:25
Control Test	0.080	07:26
Air Blank	0.000	07:26
Control Test	0.081	07:27
Air Blank	0.000	07:27
Control Test	0.081	07:28
Air Blank	0.000	07:29

Control Test Stats

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

Operator's Signature

0.20g/210L

SN: 3969 Temp: 34.06

0.194 to 0.206 ☑

SURFSIDE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-002566
08/07/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	07:30
Control Test	0.196	07:31
Air Blank	0.000	07:31
Control Test	0.197	07:32
Air Blank	0.000	07:32
Control Test	0.198	07:33
Air Blank	0.000	07:34

Control Test Stats

Average	0.1970
Std Dev	0.0010
Rel Std Dev(%)	0.5076

Operator's Signature

DGS 0.08g/210L

AG626605

0.077 to 0.083 ☑

SURFSIDE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-002566
08/07/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	07:36
Control Test	0.079	07:36
Air Blank	0.000	07:37
Control Test	0.079	07:37
Air Blank	0.000	07:37
Control Test	0.080	07:38
Air Blank	0.000	07:38

Control Test Stats

Average	0.0793
Std Dev	0.0006
Rel Std Dev(%)	0.7277

Operator's Signature

SURFSIDE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-002566
08/07/2017 06:21:44

Auto Calibration
Max Power Res Value = 31
Auto Range Res Value = 17

Sol value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12723, 9um Io = 13931

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0850	(-0.0150)
Sample #2 =	0.0880	(0.0240)
Sample #3 =	0.0840	(0.0350)
Sample #4 =	0.0800	(0.0610)

Avg % Abs = 0.0840 (0.0400)
STD DEV = 0.0040 (0.0190)
REL STD DEV = 4.762 (47.500)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0890	(-0.0180)
Sample #2 =	0.0860	(-0.0080)
Sample #3 =	0.0980	(-0.0050)
Sample #4 =	0.0770	(0.0200)

Avg % Abs = 0.0870 (0.0023)
STD DEV = 0.0105 (0.0154)
REL STD DEV = 12.110 (658.849)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12706, 9um Io = 13924

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7720	(-0.0150)
Sample #2 =	0.8250	(-0.0150)
Sample #3 =	0.8030	(-0.0010)
Sample #4 =	0.8260	(-0.0080)

Avg % Abs = 0.8180 (-0.0080)
STD DEV = 0.0130 (0.0070)
REL STD DEV = 1.589 (87.500)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4700	(-0.0050)
Sample #2 =	1.4950	(-0.0020)
Sample #3 =	1.4910	(0.0020)
Sample #4 =	1.5040	(0.0080)

Avg % Abs = 1.4967 (0.0027)
STD DEV = 0.0067 (0.0050)
REL STD DEV = 0.445 (188.746)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12699, 9um Io = 13919

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.9390	(-0.0180)
Sample #2 =	1.9200	(0.0250)
Sample #3 =	1.9200	(0.0320)
Sample #4 =	1.8980	(0.0470)

Avg % Abs = 1.9127 (0.0347)
STD DEV = 0.0127 (0.0112)
REL STD DEV = 0.664 (32.423)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5970	(0.0020)
Sample #2 =	3.5830	(0.0060)
Sample #3 =	3.6180	(0.0020)
Sample #4 =	3.5810	(0.0110)

Avg % Abs = 3.5940 (0.0063)
STD DEV = 0.0208 (0.0045)
REL STD DEV = 0.579 (71.199)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12699, 9um Io = 13918

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6470	(0.0000)
Sample #2 =	3.6610	(0.0160)
Sample #3 =	3.6700	(0.0460)
Sample #4 =	3.6650	(0.0560)

Avg % Abs = 3.6653 (0.0393)
STD DEV = 0.0045 (0.0208)
REL STD DEV = 0.123 (52.924)

8/8/17

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.8120	(-0.0140)
Sample #2 =	6.8400	(0.0000)
Sample #3 =	6.8470	(0.0070)
Sample #4 =	6.8530	(0.0150)

Avg % Abs = 6.8467 (0.0073)
STD DEV = 0.0065 (0.0075)
REL STD DEV = 0.095 (102.348)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12690, 9um Io = 13914

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.4140	(-0.0220)
Sample #2 =	5.4130	(-0.0080)
Sample #3 =	5.4040	(0.0090)
Sample #4 =	5.4240	(0.0210)

Avg % Abs = 5.4137 (0.0073)
STD DEV = 0.0100 (0.0146)
REL STD DEV = 0.185 (198.704)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	10.0110	(-0.0100)
Sample #2 =	10.0500	(-0.0030)
Sample #3 =	10.0540	(0.0070)
Sample #4 =	10.0850	(0.0050)

Avg % Abs = 10.0630 (0.0030)
STD DEV = 0.0192 (0.0053)
REL STD DEV = 0.190 (176.383)

Optical Calibration
SN: 80-002566
Agency: Surfside PD
Date: 8/7/2017
Quadratic Fit: +/-0.002g/210L
By:

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.084
Std Dev = 0.00 Rel Std Dev = 4.76
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.818
Std Dev = 0.01 Rel Std Dev = 1.59
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.913
Std Dev = 0.01 Rel Std Dev = 0.66
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.665
Std Dev = 0.00 Rel Std Dev = 0.12
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.414
Std Dev = 0.01 Rel Std Dev = 0.19
Zero Order Coef = -225.95
First Order Coef = 2589.62
Second Order Coef = 17.11
Standard Deviation = 20.706490

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.087
Std Dev = 0.01 Rel Std Dev = 12.11
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.497
Std Dev = 0.01 Rel Std Dev = 0.44
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.594
Std Dev = 0.02 Rel Std Dev = 0.58
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.847
Std Dev = 0.01 Rel Std Dev = 0.10
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 10.063
Std Dev = 0.02 Rel Std Dev = 0.19
Zero Order Coef = -126.02
First Order Coef = 1338.42
Second Order Coef = 9.45
Standard Deviation = 32.222900

Solution Stats Quadratic Fit Chan 1

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	-0.000	0.0002
0.040	0.040	0.0000
0.100	0.101	-0.0006
0.200	0.199	0.0006
0.300	0.300	-0.0002

Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	-0.000	0.0002
0.040	0.040	0.0001
0.100	0.101	-0.0009
0.200	0.199	0.0009
0.300	0.300	-0.0003

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3161.00
Sample #2 = 3148.00
Sample #3 = 3242.00
Sample #4 = 3273.00
Average Result = 3221.0000
STD DEV = 65.0922
REL STD DEV = 2.021
****
***** CHANNEL 2
Sample #1 = 3447.00
Sample #2 = 3445.00
Sample #3 = 3507.00
Sample #4 = 3474.00
Average Result = 3475.3333
STD DEV = 31.0215
REL STD DEV = 0.893
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1014
3 um H20 Adjust (mg/l*10,000) = 588
9 um H20 Adjust (mg/l*10,000) = 334
**** AUTO CAL PASS

8/9/17

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Stabilities	80-002566	Surfside Police Department	8/3/2017	

0.05g/210L	0.08g/210L	0.20g/210L	DGS 0.08g/210L
SN: SD3967 Temp: 34.06	SN: SD3968 Temp: 34.08c	SN: SD3969 Temp:34.06c	Lot AG626605
0.047 to 0.053 ☑	0.077 to 0.083 ☑	0.194 to 0.206 ☑	0.077 to 0.083 ☑

SURFSIDE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-002566
08/03/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:19
Control Test	0.049	11:20
Air Blank	0.000	11:20
Control Test	0.049	11:21
Air Blank	0.000	11:21
Control Test	0.049	11:22
Air Blank	0.000	11:23
Control Test Stats		
Average	0.0490	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

SURFSIDE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-002566
08/03/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:24
Control Test	0.079	11:25
Air Blank	0.000	11:25
Control Test	0.078	11:26
Air Blank	0.000	11:27
Control Test	0.079	11:27
Air Blank	0.000	11:28
Control Test Stats		
Average	0.0787	
Std Dev	0.0006	
Rel Std Dev(%)	0.7339	

Operator's Signature

SURFSIDE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-002566
08/03/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:29
Control Test	0.194	11:30
Air Blank	0.000	11:30
Control Test	0.194	11:31
Air Blank	0.000	11:31
Control Test	0.195	11:32
Air Blank	0.000	11:33
Control Test Stats		
Average	0.1943	
Std Dev	0.0006	
Rel Std Dev(%)	0.2971	

Operator's Signature

SURFSIDE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-002566
08/03/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:34
Control Test	0.080	11:34
Air Blank	0.000	11:35
Control Test	0.080	11:35
Air Blank	0.000	11:36
Control Test	0.081	11:36
Air Blank	0.000	11:37
Control Test Stats		
Average	0.0803	
Std Dev	0.0006	
Rel Std Dev(%)	0.7187	

Operator's Signature

8/3/17