FDLE
Florida Department of Law Enforcement

INSTRUMENT PROCESSING SHEET

Agency Lake Helen PD S/N 80-001149

Date In 11/3/17 DI Completion Date 11/9/17 ☒Ship ☐P/U ☐H/D ☐CMI ☐EE

Intake Performed By [illegible]

- ☑ Annual
- ☐ Registration
- ☐ Return from CMI / EE

Visual Inspection:

- ☑ Case
- ☑ Keyboard
- ☑ Feet
- ☑ Ports
- ☑ Handle
- ☑ Dry Gas Shelf
- ☑ Breath Tube
- ☑ Screws Tight

Other Equipment/ Accessories:

- ☐ Power cord
- ☐ Printer Cable
- ☐ Static Bag
- ☐ 12V DC Cable

Notes: _____

Final Release Date

NOV 14 2017

Quality Checks Performed By [illegible]

- ☒ Breath Tube Screen
- ☒ Replace External O-Rings
- ☒ Instrument Set Up Verified
- ☒ R-Value 183
- ☒ Flow Verification (L/s)

Flow Column # ATP105

32 mm	.160	(.139 - .169)
36 mm	.179	(.156 - .190)
53 mm	.253	(.228 - .278)
103 mm	.520	(.447 - .547)

- ☒ Barometric Pressure Check

Gauge ID # 28421

- ☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	SD3962	20170TD 7/25/19
0.080	SD1013	20170TE 7/25/19
0.200	DR3856	20170TC 7/24/19
0.080 DGS	N/A	AG626605 9/22/18

Flow Calibration Performed By _____

Flow Column # _____

- ☐ 5L/min – 17mm
- ☐ 15L/min – 53mm
- ☐ 30L/min – 103mm
- ☐ R-Value _____
- ☐ Post Calibration Verification (L/s)

Flow Column # _____

32 mm	_____	(.139 - .169)
36 mm	_____	(.156 - .190)
53 mm	_____	(.228 - .278)
103 mm	_____	(.447 - .547)

Maintenance Performed By _____

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

Temperature Checks Performed By [illegible]

- ☒ Lab Temp °C 21.7

External Digital Therm. ID#: 300504

- ☒ 34°C +-.2 Serial #: G2835
- ☒ 34°C +-.2 Serial #: DR1279
- ☒ 34°C +-.2 Serial #: SD1025

Calibration Adjustment Performed By [illegible]

Barometric Pressure Gauge 1015 ID # 28427

Simulator	Serial Number	Lot Number	Expiration
0.000	SD1016	N/A	N/A
0.040	SD1018	16320	10/12/18
0.100	G2834	17060	2/14/19
0.200	G2408	17090	2/24/19
0.300	DR1275	16410	12/19/18
0.080 DGS	N/A	17817080A2	8/5/19

- ☒ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.050	G2835	20170TD	7/25/19
0.080	DR1279	20170TE	7/25/19
0.200	SD1025	20170TC	7/24/19
0.080 DGS	N/A	AG626605	9/22/18

Department Inspection Performed By [illegible]

Barometric Pressure ID# 28421

Gauge 1014 Instrument 1015

Mouth Alcohol Solution Lot # 2016-C

Acetone Stock Solution Lot # 2017-A

Simulator	Serial Number
0.000	G2880
Interferent	G2840
0.050	G2835
0.080	DR1279
0.200	SD1025

Attachments

- ☒ Form 41
- ☒ Stability Checks
- ☒ Calibration Adjustment
- ☒ Post-Stability Checks
- ☐ Flow Calibration
- ☐ Form 40
- ☐ Other _____

Notes/Suggested Service: _____

- ☒ **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**

SP 11/14/17 [illegible] 11/14/17

Tech Review / Date Admin Review / Date

LAKE HELEN P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001149
11/08/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:56
Control Test	0.053	14:57
Air Blank	0.000	14:58
Control Test	0.052	14:58
Air Blank	0.000	14:59
Control Test	0.052	15:00
Air Blank	0.000	15:00

Control Test Stats

Average	0.0523
Std Dev	0.0006
Rel Std Dev(%)	1.1032

P Murphy
Operator's Signature

LAKE HELEN P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001149
11/08/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:51
Control Test	0.084	14:52
Air Blank	0.000	14:52
Control Test	0.085	14:53
Air Blank	0.000	14:54
Control Test	0.083	14:54
Air Blank	0.000	14:55

Control Test Stats

Average	0.0840
Std Dev	0.0010
Rel Std Dev(%)	1.1905

P Murphy
Operator's Signature

LAKE HELEN P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001149
11/08/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:46
Control Test	0.203	14:47
Air Blank	0.000	14:47
Control Test	0.205	14:48
Air Blank	0.000	14:48
Control Test	0.206	14:49
Air Blank	0.000	14:50

Control Test Stats

Average	0.2047
Std Dev	0.0015
Rel Std Dev(%)	0.7463

P Murphy
Operator's Signature

LAKE HELEN P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001149
11/08/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:16
Control Test	0.080	15:16
Air Blank	0.000	15:16
Control Test	0.080	15:17
Air Blank	0.000	15:17
Control Test	0.081	15:18
Air Blank	0.000	15:18

Control Test Stats

Average	0.0803
Std Dev	0.0006
Rel Std Dev(%)	0.7187

DGS

P Murphy
Operator's Signature

SP

11/4/17

LAKE HELEN P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001149
11/09/2017 10:54:34

Auto Calibration
Max Power Res Value = 33
Auto Range Res Value = 20

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 13008, 9um Io = 14034

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1380	(-0.0180)
Sample #2 =	0.1380	(0.0400)
Sample #3 =	0.1200	(0.0330)
Sample #4 =	0.0940	(0.0790)
Avg % Abs =	0.1173	(0.0507)
STD DEV =	0.0221	(0.0248)
REL STD DEV =	18.853	(48.919)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1260	(-0.0100)
Sample #2 =	0.1090	(0.0120)
Sample #3 =	0.1180	(-0.0070)
Sample #4 =	0.1110	(0.0100)
Avg % Abs =	0.1127	(0.0050)
STD DEV =	0.0047	(0.0104)
REL STD DEV =	4.195	(208.806)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12999, 9um Io = 14031

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.9040	(-0.0120)
Sample #2 =	0.9010	(0.0060)
Sample #3 =	0.9080	(0.0300)
Sample #4 =	0.9300	(0.0080)
Avg % Abs =	0.9130	(0.0147)
STD DEV =	0.0151	(0.0133)
REL STD DEV =	1.657	(90.795)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5780	(-0.0060)
Sample #2 =	1.5730	(0.0060)
Sample #3 =	1.5990	(0.0080)
Sample #4 =	1.5940	(0.0110)
Avg % Abs =	1.5887	(0.0083)
STD DEV =	0.0138	(0.0025)
REL STD DEV =	0.868	(30.199)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12997, 9um Io = 14030

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	2.0750	(-0.0110)
Sample #2 =	2.0710	(0.0440)
Sample #3 =	2.0590	(0.0300)
Sample #4 =	2.0730	(0.0420)
Avg % Abs =	2.0677	(0.0387)
STD DEV =	0.0076	(0.0076)
REL STD DEV =	0.366	(19.582)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.7740	(-0.0040)
Sample #2 =	3.7820	(0.0330)
Sample #3 =	3.7780	(0.0250)
Sample #4 =	3.7640	(0.0420)
Avg % Abs =	3.7747	(0.0333)
STD DEV =	0.0095	(0.0085)
REL STD DEV =	0.250	(25.515)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12995, 9um Io = 14028

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	4.0150	(-0.0250)
Sample #2 =	3.9580	(0.0200)
Sample #3 =	3.9510	(0.0580)
Sample #4 =	3.9310	(0.0670)
Avg % Abs =	3.9467	(0.0483)
STD DEV =	0.0140	(0.0249)
REL STD DEV =	0.355	(51.614)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.2430	(0.0130)
Sample #2 =	7.1850	(0.0610)
Sample #3 =	7.1700	(0.0790)
Sample #4 =	7.1910	(0.0800)
Avg % Abs =	7.1820	(0.0733)
STD DEV =	0.0108	(0.0107)
REL STD DEV =	0.151	(14.581)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12994, 9um Io = 14022

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.7500	(-0.0090)
Sample #2 =	5.7820	(0.0590)
Sample #3 =	5.7720	(0.0780)
Sample #4 =	5.7590	(0.0890)
Avg % Abs =	5.7710	(0.0753)
STD DEV =	0.0115	(0.0152)
REL STD DEV =	0.200	(20.146)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	10.4040	(-0.0210)
Sample #2 =	10.4120	(0.0610)
Sample #3 =	10.4290	(0.0750)
Sample #4 =	10.4290	(0.0830)
Avg % Abs =	10.4233	(0.0730)
STD DEV =	0.0098	(0.0111)
REL STD DEV =	0.094	(15.254)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.117
Std Dev = 0.02 Rel Std Dev = 18.85
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.913
Std Dev = 0.02 Rel Std Dev = 1.66
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 2.068
Std Dev = 0.01 Rel Std Dev = 0.37
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.947
Std Dev = 0.01 Rel Std Dev = 0.36
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.771
Std Dev = 0.01 Rel Std Dev = 0.20
Zero Order Coef = -289.49
First Order Coef = 2396.12
Second Order Coef = 22.51
Standard Deviation = 7.989819

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.113
Std Dev = 0.00 Rel Std Dev = 4.19
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.589
Std Dev = 0.01 Rel Std Dev = 0.87
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.775
Std Dev = 0.01 Rel Std Dev = 0.25
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 7.182
Std Dev = 0.01 Rel Std Dev = 0.15
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 10.423
Std Dev = 0.01 Rel Std Dev = 0.09
Zero Order Coef = -136.11
First Order Coef = 1255.33
Second Order Coef = 12.32
Standard Deviation = 12.257858

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	-0.000	0.0002
0.040	0.040	-0.0003
0.100	0.100	0.0000
0.200	0.200	0.0001
0.300	0.300	-0.0001

SP

11/14/17

80-001149

Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0001
0.040	0.040	0.0003
0.100	0.100	-0.0003
0.200	0.200	0.0002
0.300	0.300	-0.0000

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3115.00
Sample #2 = 3073.00
Sample #3 = 3103.00
Sample #4 = 3053.00
Average Result = 3076.3333
STD DEV = 25.1661
REL STD DEV = 0.818
****
***** CHANNEL 2
Sample #1 = 3395.00
Sample #2 = 3377.00
Sample #3 = 3390.00
Sample #4 = 3387.00
Average Result = 3384.6667
STD DEV = 6.8069
REL STD DEV = 0.201
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1014
3 um H2O Adjust (mg/l*10,000) = 733
9 um H2O Adjust (mg/l*10,000) = 425
**** AUTO CAL PASS

LAKE HELEN P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001149
11/09/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:37
Control Test	0.049	11:38
Air Blank	0.000	11:39
Control Test	0.049	11:39
Air Blank	0.000	11:40
Control Test	0.049	11:41
Air Blank	0.000	11:41
Control Test Stats		
Average	0.0490	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

LAKE HELEN P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001149
11/09/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:42
Control Test	0.080	11:43
Air Blank	0.000	11:44
Control Test	0.079	11:44
Air Blank	0.000	11:45
Control Test	0.080	11:46
Air Blank	0.000	11:46
Control Test Stats		
Average	0.0797	
Std Dev	0.0006	
Rel Std Dev(%)	0.7247	

Operator's Signature

POST
CALIBRATION
ADJUST.
STABILITIES

LAKE HELEN P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001149
11/09/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:48
Control Test	0.201	11:48
Air Blank	0.000	11:49
Control Test	0.199	11:50
Air Blank	0.000	11:50
Control Test	0.199	11:51
Air Blank	0.000	11:51
Control Test Stats		
Average	0.1997	
Std Dev	0.0012	
Rel Std Dev(%)	0.5783	

Operator's Signature

SP

LAKE HELEN P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001149
11/09/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:54
Control Test	0.079	11:54
Air Blank	0.000	11:55
Control Test	0.079	11:55
Air Blank	0.000	11:56
Control Test	0.080	11:56
Air Blank	0.000	11:57
Control Test Stats		
Average	0.0793	
Std Dev	0.0006	
Rel Std Dev(%)	0.7277	

DGS

Operator's Signature

11/14/17