FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Haines City PD S/N 80-001007

Date In 8/1/16 Date Out 8/10/16 ☑Ship ☐P/U ☐H/D ☐CMI ☐EE

RECEIVED AUG 11 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

Notes:

Quality Checks Performed By KWS

- ☑ Breath Tube Screen
- ☑ Replace O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 188
- ☑ Flow Verification (L/s)
  - Flow Column # ATP102
  - 32mm 0.152 (.139 - .169)
  - 36mm 0.167 (.156 - .190)
  - 53mm 0.238 (.228 - .278)
  - 103mm 0.500 (.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	AG612405 5/3/18

Flow Calibration Performed By

- ☑ Flow Calibration N/A
- ☐ Flow Calibration Complete
  - Flow Column # _____
  - ☐ 5L/min – 17mm
  - ☐ 15L/min – ~~36mm~~
  - ☐ 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 KWS

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

Barometric Pressure Gauge 1016 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	160D1	5/8/18
0.200	G2408	15104	5/27/17
0.400	G5358	16102	3/22/18
0.080 DGS	N/A	D3415080A1	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 KWS

- ☑ Barometric Pressure ID# 28427
  - 1017 Gauge
  - 1014 Instrument

Mouth Alcohol Solution Lot # 2015-B A KWS

Acetone Stock Solution Lot # 2016-B

Simulator	Serial Number
0.00	G2879
Interferent	G8144
0.05	G11739
0.08	G8149
0.20	G11621

Attachments

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

Notes: Optical bench calibration completed to bring values closer to nominal. KWS

DC-MS

- ☑ **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

8/11/16
Date

Revised November 2012

Pre-Calibration
Stability Checks #80-001007 Haines City P.D. 8/1/16 KMS

HAINES CITY PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001007
08/01/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	17:55
Control Test	0.050	17:56
Air Blank	0.000	17:56
Control Test	0.049	17:57
Air Blank	0.000	17:57
Control Test	0.049	17:58
Air Blank	0.000	17:59
Control Test Stats		
Average	0.0493	
Std Dev	0.0006	
Rel Std Dev(%)	1.1703	

KMS
Operator's Signature

HAINES CITY PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001007
08/01/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	18:00
Control Test	0.080	18:01
Air Blank	0.000	18:01
Control Test	0.079	18:02
Air Blank	0.000	18:03
Control Test	0.080	18:03
Air Blank	0.000	18:04
Control Test Stats		
Average	0.0797	
Std Dev	0.0006	
Rel Std Dev(%)	0.7247	

KMS
Operator's Signature

HAINES CITY PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001007
08/01/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	18:06
Control Test	0.197	18:07
Air Blank	0.000	18:08
Control Test	0.195	18:08
Air Blank	0.000	18:09
Control Test	0.195	18:10
Air Blank	0.000	18:10
Control Test Stats		
Average	0.1957	
Std Dev	0.0012	
Rel Std Dev(%)	0.5901	

KMS
Operator's Signature

DCS

HAINES CITY PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001007
08/01/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	18:12
Control Test	0.077	18:13
Air Blank	0.000	18:13
Control Test	0.078	18:14
Air Blank	0.000	18:14
Control Test	0.078	18:14
Air Blank	0.000	18:15
Control Test Stats		
Average	0.0777	
Std Dev	0.0006	
Rel Std Dev(%)	0.7434	

JPW

BK

KMS
Operator's Signature

Optical Bench Calibration Data: #80-001007 Haines City P.D. 8/1/16 DMS

HAINES CITY PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001007
08/01/2016 19:01:25

Auto Calibration
Max Power Res Value = 21
Auto Range Res Value = 18

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12980, 9um Io = 12511

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1610	(-0.0340)
Sample #2 =	0.0990	(0.0080)
Sample #3 =	0.1350	(0.0260)
Sample #4 =	0.0800	(0.0500)

Avg % Abs = 0.1047 (0.0280)
STD DEV = 0.0279 (0.0211)
REL STD DEV = 26.689 (75.255)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1630	(-0.0230)
Sample #2 =	0.0590	(0.0780)
Sample #3 =	0.0890	(0.0590)
Sample #4 =	0.0700	(0.0730)

Avg % Abs = 0.0727 (0.0700)
STD DEV = 0.0152 (0.0098)
REL STD DEV = 20.885 (14.070)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12977, 9um Io = 12498

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8330	(-0.0240)
Sample #2 =	0.8050	(-0.0040)
Sample #3 =	0.7970	(0.0210)
Sample #4 =	0.8090	(0.0040)

Avg % Abs = 0.8037 (0.0070)
STD DEV = 0.0061 (0.0128)
REL STD DEV = 0.760 (182.388)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4950	(-0.0340)
Sample #2 =	1.4770	(-0.0290)
Sample #3 =	1.4740	(-0.0130)
Sample #4 =	1.4570	(-0.0070)

Avg % Abs = 1.4693 (-0.0163)
STD DEV = 0.0108 (0.0114)
REL STD DEV = 0.734 (69.627)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12974, 9um Io = 12497

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8870	(-0.0150)
Sample #2 =	1.8770	(0.0030)
Sample #3 =	1.8890	(0.0110)
Sample #4 =	1.8970	(0.0190)

Avg % Abs = 1.8877 (0.0110)
STD DEV = 0.0101 (0.0080)
REL STD DEV = 0.533 (72.727)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6170	(-0.0330)
Sample #2 =	3.5910	(0.0030)
Sample #3 =	3.6120	(0.0040)
Sample #4 =	3.6160	(0.0080)

Avg % Abs = 3.6063 (0.0050)
STD DEV = 0.0134 (0.0026)
REL STD DEV = 0.372 (52.915)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12974, 9um Io = 12496

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.7360	(-0.0120)
Sample #2 =	3.6770	(0.0380)
Sample #3 =	3.6770	(0.0680)
Sample #4 =	3.7050	(0.0400)

Avg % Abs = 3.6863 (0.0487)
STD DEV = 0.0162 (0.0168)
REL STD DEV = 0.439 (34.465)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.1300	(-0.0160)
Sample #2 =	7.0990	(0.0120)
Sample #3 =	7.0400	(0.0660)
Sample #4 =	7.0650	(0.0490)

Avg % Abs = 7.0680 (0.0423)
STD DEV = 0.0296 (0.0276)
REL STD DEV = 0.419 (65.221)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12985, 9um Io = 12502

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.1020	(-0.0020)
Sample #2 =	6.9710	(0.1570)
Sample #3 =	6.9550	(0.1640)
Sample #4 =	6.8880	(0.2060)

Avg % Abs = 6.9393 (0.1757)
STD DEV = 0.0449 (0.0265)
REL STD DEV = 0.646 (15.086)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	13.3400	(-0.0260)
Sample #2 =	13.2190	(0.1460)
Sample #3 =	13.1760	(0.1620)
Sample #4 =	13.1260	(0.1910)

Avg % Abs = 13.1737 (0.1663)
STD DEV = 0.0465 (0.0228)
REL STD DEV = 0.353 (13.714)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.105
Std Dev = 0.03 Rel Std Dev = 26.69
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.804
Std Dev = 0.01 Rel Std Dev = 0.76
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.888
Std Dev = 0.01 Rel Std Dev = 0.53
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.686
Std Dev = 0.02 Rel Std Dev = 0.44
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.939
Std Dev = 0.04 Rel Std Dev = 0.65
Zero Order Coef = -202.25
First Order Coef = 2528.12
Second Order Coef = 35.13
Standard Deviation = 64.000046

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.073
Std Dev = 0.02 Rel Std Dev = 20.89
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.469
Std Dev = 0.01 Rel Std Dev = 0.73
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.606
Std Dev = 0.01 Rel Std Dev = 0.37
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 7.068
Std Dev = 0.03 Rel Std Dev = 0.42
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 13.174
Std Dev = 0.05 Rel Std Dev = 0.35
Zero Order Coef = -32.82
First Order Coef = 1262.40
Second Order Coef = 14.03
Standard Deviation = 60.178032

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.001	-0.0013
0.040	0.039	0.0011
0.100	0.099	0.0014
0.200	0.201	-0.0015
0.400	0.400	0.0003

Solution Stats Quadratic Fit Chan 2

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.001	-0.0012
0.040	0.039	0.0011
0.100	0.099	0.0013
0.200	0.201	-0.0014
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 = 3194.00
Sample #2 = 3121.00
Sample #3 = 3097.00
Sample #4 = 3049.00
Average Result = 3089.0000
STD DEV = 36.6606
REL STD DEV = 1.187
****
***** CHANNEL 2
Sample #1 = 3497.00
Sample #2 = 3497.00
Sample #3 = 3534.00
Sample #4 = 3521.00
Average Result = 3517.3333
STD DEV = 18.7705
REL STD DEV = 0.534
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1016
3 um H20 Adjust (mg/l*10,000) = 720
9 um H20 Adjust (mg/l*10,000) = 292
**** AUTO CAL PASS

DMS

Post-Cal
Stability Checks #80-001007 Haines City P.D 8/1/16 DMB

HAINES CITY PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001007
08/01/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	20:17
Control Test	0.050	20:18
Air Blank	0.000	20:19
Control Test	0.050	20:19
Air Blank	0.000	20:20
Control Test	0.050	20:21
Air Blank	0.000	20:21
Control Test Stats		
Average	0.0500	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

DMB
Operator's Signature

HAINES CITY PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001007
08/01/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	20:30
Control Test	0.080	20:31
Air Blank	0.000	20:31
Control Test	0.082	20:32
Air Blank	0.000	20:32
Control Test	0.082	20:33
Air Blank	0.000	20:34
Control Test Stats		
Average	0.0813	
Std Dev	0.0012	
Rel Std Dev(%)	1.4197	

DMB
Operator's Signature

HAINES CITY PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001007
08/01/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	20:44
Control Test	0.201	20:45
Air Blank	0.000	20:45
Control Test	0.198	20:46
Air Blank	0.000	20:47
Control Test	0.198	20:47
Air Blank	0.000	20:48
Control Test Stats		
Average	0.1990	
Std Dev	0.0017	
Rel Std Dev(%)	0.8704	

DMB
Operator's Signature

DGS

HAINES CITY PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001007
08/01/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	19:51
Control Test	0.081	19:51
Air Blank	0.000	19:52
Control Test	0.080	19:52
Air Blank	0.000	19:52
Control Test	0.081	19:53
Air Blank	0.000	19:53
Control Test Stats		
Average	0.0807	
Std Dev	0.0006	
Rel Std Dev(%)	0.7157	

DMB

13K

DMB
Operator's Signature