FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Kenneth City PD S/N 80-001649

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

RECEIVED JUL 15 2016 FDLE Alcohol Testing Program

Intake Performed By DR

- ☐ 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 RMB

- ☑ Breath Tube Screen
- ☑ Replace O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 171
- ☑ Flow Verification (L/s)
  - Flow Column # ATP 102
  - 32mm 0.152 (.139 - .169)
  - 36mm 0.167 (.156 - .190)
  - 53mm 0.238 (.228 - .278)
  - 103mm 0.511 (.447 - .547)
- ☑ Barometric Pressure Check
  - Gauge ID # 28427
- ☑ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	SD1018	201507A 7/14/17
0.08	SD1011	2016D1F 1/26/18
0.20	SD1025	201505A 5/12/17
0.08 DGS	N/A	AG1605361 2/22/18

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 RMB

- ☐ 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	15D01	5/20/17
0.200	G2408	15104	5/27/17
0.400	G5358	15105	4/10/17
0.080 DGS	N/A	03415086A1	3/5/17

☑ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD1018	201507A	7/14/17
0.08	SD1011	2016D1F	1/26/18
0.20	SD1025	201505A	5/12/17
0.08 DGS	N/A	AG612405	5/3/18

Notes: Performed optical bench calibration to bring values closer to nominal. RMB

QC 7/15/16

Department Inspection Performed By RMB

- ☑ 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

- ☑ **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 Buckland
Quality Control Review

7/15/16
Date

Revised November 2012

Pre-Cal
Stability Checks #80-001649 Kenneth City P.D. 7/8/16 KMB

TSK

DGS

KENNETH CITY PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001649
07/08/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	17:21
Control Test	0.047	17:21
Air Blank	0.000	17:22
Control Test	0.047	17:22
Air Blank	0.000	17:23
Control Test	0.048	17:24
Air Blank	0.000	17:24
Control Test Stats		
Average	0.0473	
Std Dev	0.0006	
Rel Std Dev(%)	1.2198	

KMB
Operator's Signature

KENNETH CITY PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001649
07/08/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	17:26
Control Test	0.075	17:26
Air Blank	0.000	17:27
Control Test	0.076	17:27
Air Blank	0.000	17:28
Control Test	0.077	17:29
Air Blank	0.000	17:29
Control Test Stats		
Average	0.0760	
Std Dev	0.0010	
Rel Std Dev(%)	1.3158	

KMB
Operator's Signature

KENNETH CITY PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001649
07/08/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	17:40
Control Test	0.076	17:41
Air Blank	0.000	17:41
Control Test	0.076	17:42
Air Blank	0.000	17:43
Control Test	0.077	17:43
Air Blank	0.000	17:44
Control Test Stats		
Average	0.0763	
Std Dev	0.0006	
Rel Std Dev(%)	0.7564	

KMB
Operator's Signature

KENNETH CITY PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001649
07/08/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	17:31
Control Test	0.197	17:32
Air Blank	0.000	17:32
Control Test	0.196	17:33
Air Blank	0.000	17:33
Control Test	0.198	17:34
Air Blank	0.000	17:35
Control Test Stats		
Average	0.1970	
Std Dev	0.0010	
Rel Std Dev(%)	0.5076	

KMB
Operator's Signature

KENNETH CITY PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001649
07/08/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	17:36
Control Test	0.080	17:36
Air Blank	0.000	17:37
Control Test	0.080	17:37
Air Blank	0.000	17:38
Control Test	0.080	17:38
Air Blank	0.000	17:39
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

KMB
Operator's Signature

Checked seals in sim. KMB

Optical Bench Calibration Data #80-001649 Kenneth City P.D. 7/14/16 @13

KENNETH CITY PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001649
07/14/2016 12:02:15

Auto Calibration
Max Power Res Value = 60
Auto Range Res Value = 39

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12747, 9um Io = 14088

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1340	(-0.0090)
Sample #2 =	0.1400	(0.0010)
Sample #3 =	0.1240	(0.0250)
Sample #4 =	0.1350	(0.0370)

Avg % Abs = 0.1330 (0.0210)
STD DEV = 0.0082 (0.0183)
REL STD DEV = 6.154 (87.287)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1410	(-0.0280)
Sample #2 =	0.1200	(-0.0210)
Sample #3 =	0.1230	(-0.0130)
Sample #4 =	0.1080	(-0.0070)

Avg % Abs = 0.1170 (-0.0137)
STD DEV = 0.0079 (0.0070)
REL STD DEV = 6.784 (51.393)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12736, 9um Io = 14085

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7990	(-0.0140)
Sample #2 =	0.8160	(0.0000)
Sample #3 =	0.8020	(-0.0020)
Sample #4 =	0.8210	(-0.0050)

Avg % Abs = 0.8130 (-0.0023)
STD DEV = 0.0098 (0.0025)
REL STD DEV = 1.211 (107.855)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5010	(-0.0320)
Sample #2 =	1.5040	(-0.0090)
Sample #3 =	1.4770	(-0.0110)
Sample #4 =	1.4940	(-0.0070)

Avg % Abs = 1.4917 (-0.0090)
STD DEV = 0.0137 (0.0020)
REL STD DEV = 0.915 (22.222)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12732, 9um Io = 14083

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8780	(-0.0010)
Sample #2 =	1.8980	(-0.0110)
Sample #3 =	1.8990	(-0.0140)
Sample #4 =	1.9000	(0.0050)

Avg % Abs = 1.8990 (-0.0067)
STD DEV = 0.0010 (0.0102)
REL STD DEV = 0.053 (153.216)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5830	(-0.0260)
Sample #2 =	3.6020	(-0.0100)
Sample #3 =	3.6040	(-0.0260)
Sample #4 =	3.5990	(-0.0100)

Avg % Abs = 3.6017 (-0.0153)
STD DEV = 0.0025 (0.0092)
REL STD DEV = 0.070 (60.245)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12728, 9um Io = 14084

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5860	(-0.0120)
Sample #2 =	3.6110	(-0.0030)
Sample #3 =	3.6020	(-0.0120)
Sample #4 =	3.6070	(0.0140)

Avg % Abs = 3.6067 (-0.0003)
STD DEV = 0.0045 (0.0132)
REL STD DEV = 0.125 (3961.062)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.9110	(-0.0030)
Sample #2 =	6.9110	(0.0110)
Sample #3 =	6.9030	(0.0140)
Sample #4 =	6.9000	(0.0290)

Avg % Abs = 6.9047 (0.0180)
STD DEV = 0.0057 (0.0096)
REL STD DEV = 0.082 (53.576)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12727, 9um Io = 14083

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.8410	(-0.0190)
Sample #2 =	6.8460	(0.0130)
Sample #3 =	6.8010	(0.0580)
Sample #4 =	6.8010	(0.0740)

Avg % Abs = 6.8160 (0.0483)
STD DEV = 0.0260 (0.0316)
REL STD DEV = 0.381 (65.437)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	12.9150	(0.0030)
Sample #2 =	12.9180	(0.0400)
Sample #3 =	12.8990	(0.0630)
Sample #4 =	12.9040	(0.0630)

Avg % Abs = 12.9070 (0.0553)
STD DEV = 0.0098 (0.0133)
REL STD DEV = 0.076 (23.998)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.133
Std Dev = 0.01 Rel Std Dev = 6.15
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.813
Std Dev = 0.01 Rel Std Dev = 1.21
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.899
Std Dev = 0.00 Rel Std Dev = 0.05
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.607
Std Dev = 0.00 Rel Std Dev = 0.13
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.816
Std Dev = 0.03 Rel Std Dev = 0.38
Zero Order Coef = -302.94
First Order Coef = 2607.13
Second Order Coef = 33.91
Standard Deviation = 40.881638

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.117
Std Dev = 0.01 Rel Std Dev = 6.78
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.492
Std Dev = 0.01 Rel Std Dev = 0.92
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.602
Std Dev = 0.00 Rel Std Dev = 0.07
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.905
Std Dev = 0.01 Rel Std Dev = 0.08
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 12.907
Std Dev = 0.01 Rel Std Dev = 0.08
Zero Order Coef = -116.49
First Order Coef = 1301.96
Second Order Coef = 14.13
Standard Deviation = 32.286797

Solution Stats Quadratic Fit Chan 1		
Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.001	-0.0009
0.040	0.039	0.0014
0.100	0.100	-0.0002
0.200	0.200	-0.0004
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	-0.0008
0.040	0.039	0.0010
0.100	0.100	0.0001
0.200	0.200	-0.0005
0.400	0.400	0.0001

Sol Value = 0.080 g/210L *** 15K
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 2564.00
Sample #2 = 2598.00
Sample #3 = 2494.00
Sample #4 = 2548.00
Average Result = 2546.6667
STD DEV = 52.0128
REL STD DEV = 2.042
****
***** CHANNEL 2
Sample #1 = 3144.00
Sample #2 = 3191.00
Sample #3 = 3156.00
Sample #4 = 3173.00
Average Result = 3173.3333
STD DEV = 17.5024
REL STD DEV = 0.552
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1016
3 um H2O Adjust (mg/l*10,000) = 1263
9 um H2O Adjust (mg/l*10,000) = 636
**** AUTO CAL PASS

Post-Cal Stability Checks #80-001649 Kenneth City P.D. 7/14/16 DBS BK

KENNETH CITY PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001649
07/14/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:53
Control Test	0.050	12:53
Air Blank	0.000	12:54
Control Test	0.050	12:55
Air Blank	0.000	12:55
Control Test	0.050	12:56
Air Blank	0.000	12:56

Control Test Stats

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

Operator's Signature

KENNETH CITY PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001649
07/14/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:00
Control Test	0.080	13:01
Air Blank	0.000	13:02
Control Test	0.080	13:02
Air Blank	0.000	13:03
Control Test	0.080	13:03
Air Blank	0.000	13:04

Control Test Stats

Average	0.0800
Std Dev	0.0000
Rel Std Dev(%)	0.0000

Operator's Signature

KENNETH CITY PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001649
07/14/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:06
Control Test	0.200	13:07
Air Blank	0.000	13:07
Control Test	0.200	13:08
Air Blank	0.000	13:08
Control Test	0.199	13:09
Air Blank	0.000	13:10

Control Test Stats

Average	0.1997
Std Dev	0.0006
Rel Std Dev(%)	0.2892

Operator's Signature

DBS

KENNETH CITY PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001649
07/14/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:12
Control Test	0.081	13:13
Air Blank	0.000	13:13
Control Test	0.080	13:13
Air Blank	0.000	13:14
Control Test	0.080	13:14
Air Blank	0.000	13:15

Control Test Stats

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

Operator's Signature