FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Okaloosa County SO S/N 80-005057

Date In 8/15/16 Date Out 8/17/16 ☒Ship ☐P/U ☐H/D ☐CMI ☐EE

RECEIVED AUG 19 2016 FDLE Alcohol Testing Program

Intake Performed By KDB

- ☐ Registration
- ☒ Annual
- ☐ Return from CMI
- ☐ Return from Enforcement
- ☐ Other

Visual Inspection:

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

Other Equipment:

- ☒ Power cord
- ☐ Printer Cable
- ☐ Other

Notes:

Quality Checks Performed By JWS

- ☒ Breath Tube Screen
- ☒ Replace O-Rings
- ☒ Instrument Set Up Verified
- ☒ R-Value 193
- ☒ Flow Verification (L/s)
  - Flow Column # AP102
  - 32mm 148 (.139 - .169)
  - 36mm 167 (.156 - .190)
  - 53mm 234 (.228 - .278)
  - 103mm 511 (.447 - .547)
- ☒ Barometric Pressure Check
  - Gauge ID # 26932 >1%
- ☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	G 11739	201507A 7/14/17
0.08	G 8149	201601F 1/26/18
0.20	G 11621	201604C 4/5/18
0.08 DGS	N/A	AG1612405 5/3/18

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 (Calm)
  - 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 JWS

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

Barometric Pressure Gauge 1021 ID # 28427

Simulator	Serial Number	Lot Number	Expiration
0.000	G 16021	N/A	N/A
0.040	G 2882	16101	2/2/18
0.100	G 2078	16001	5/8/18
0.200	G 2408	15104	5/20/17
0.400	G 5358	16102	3/22/18
0.080 DGS	N/A	03415080A1	3/5/17

☒ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	G 11739	201507A	7/14/17
0.08	G 8149	201601F	1/26/18
0.20	G 11621	201604C	4/5/18
0.08 DGS	N/A	AG1612405	5/3/18

Department Inspection Performed By JWS

☒ Barometric Pressure ID# 26932 — 1019 Gauge / 1021 Instrument

Mouth Alcohol Solution Lot # 2015-A

Acetone Stock Solution Lot # 2016-B

Simulator	Serial Number
0.00	G 2879
Interferent	G 8144
0.05	G 11739
0.08	G 8149
0.20	G 11621

Attachments

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

Notes: Calibrated Optical Bench due to Barometric Pressure being outside 1% of nominal. JWS

QN/QC OK. JWS 8/18/16

☒ **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 Hudelson
Quality Control Review

8/19/16
Date

Revised November 2012

Stability Tests - Okaloosa C80 #80-005057 8/17/16
Pre-Calibration

BK

OKALOOSA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005057
08/17/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:15
Control Test	0.049	09:16
Air Blank	0.000	09:16
Control Test	0.049	09:17
Air Blank	0.000	09:17
Control Test	0.050	09:18
Air Blank	0.000	09:19
Control Test Stats		
Average	0.0493	
Std Dev	0.0006	
Rel Std Dev(%)	1.1703	

DGS

PWS
Operator's Signature

OKALOOSA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005057
08/17/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:20
Control Test	0.079	09:20
Air Blank	0.000	09:21
Control Test	0.078	09:22
Air Blank	0.000	09:22
Control Test	0.078	09:23
Air Blank	0.000	09:23
Control Test Stats		
Average	0.0783	
Std Dev	0.0006	
Rel Std Dev(%)	0.7370	

PWS
Operator's Signature

OKALOOSA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005057
08/17/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:28
Control Test	0.195	09:29
Air Blank	0.000	09:29
Control Test	0.195	09:30
Air Blank	0.000	09:31
Control Test	0.195	09:31
Air Blank	0.000	09:32
Control Test Stats		
Average	0.1950	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

PWS
Operator's Signature

OKALOOSA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005057
08/17/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:25
Control Test	0.081	09:25
Air Blank	0.000	09:26
Control Test	0.081	09:26
Air Blank	0.000	09:26
Control Test	0.081	09:27
Air Blank	0.000	09:27
Control Test Stats		
Average	0.0810	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

DGS

PWS
Operator's Signature

Optical Bench Calibration

Okaloosa CSO
80-005057
8/17/16

OKALOOSA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005057
08/17/2016 09:33:24

Auto Calibration
Max Power Res Value = 30
Auto Range Res Value = 16

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12568, 9um Io = 12710
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0430	(-0.0120)
Sample #2 =	0.0500	(0.0260)
Sample #3 =	0.0330	(0.0780)
Sample #4 =	0.0530	(0.0900)

Avg % Abs = 0.0453 (0.0647)
STD DEV = 0.0108 (0.0340)
REL STD DEV = 23.792 (52.608)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1040	(-0.0180)
Sample #2 =	0.0880	(0.0000)
Sample #3 =	0.0890	(0.0130)
Sample #4 =	0.1220	(0.0030)

Avg % Abs = 0.0997 (0.0053)
STD DEV = 0.0193 (0.0068)
REL STD DEV = 19.412 (127.629)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12552, 9um Io = 12705
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7700	(-0.0220)
Sample #2 =	0.7500	(0.0060)
Sample #3 =	0.7230	(0.0410)
Sample #4 =	0.7560	(0.0240)

Avg % Abs = 0.7430 (0.0237)
STD DEV = 0.0176 (0.0175)
REL STD DEV = 2.366 (73.954)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4550	(-0.0180)
Sample #2 =	1.4560	(-0.0160)
Sample #3 =	1.4450	(-0.0030)
Sample #4 =	1.4730	(-0.0200)

Avg % Abs = 1.4580 (-0.0130)
STD DEV = 0.0141 (0.0089)
REL STD DEV = 0.968 (68.371)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12546, 9um Io = 12703
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8130	(-0.0200)
Sample #2 =	1.7990	(0.0020)
Sample #3 =	1.7980	(0.0110)
Sample #4 =	1.8270	(0.0060)

Avg % Abs = 1.8080 (0.0063)
STD DEV = 0.0165 (0.0045)
REL STD DEV = 0.911 (71.199)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4950	(-0.0240)
Sample #2 =	3.4860	(-0.0150)
Sample #3 =	3.4970	(-0.0100)
Sample #4 =	3.5020	(-0.0290)

Avg % Abs = 3.4950 (-0.0180)
STD DEV = 0.0082 (0.0098)
REL STD DEV = 0.234 (54.716)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12541, 9um Io = 12704
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5220	(-0.0060)
Sample #2 =	3.5720	(-0.0080)
Sample #3 =	3.5880	(0.0000)
Sample #4 =	3.5680	(0.0200)

Avg % Abs = 3.5760 (0.0040)
STD DEV = 0.0106 (0.0144)
REL STD DEV = 0.296 (360.555)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.7710	(0.0060)
Sample #2 =	6.8180	(0.0060)
Sample #3 =	6.8360	(0.0010)
Sample #4 =	6.8440	(0.0160)

Avg % Abs = 6.8327 (0.0077)
STD DEV = 0.0133 (0.0076)
REL STD DEV = 0.195 (99.621)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12539, 9um Io = 12701
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.7000	(-0.0040)
Sample #2 =	6.7050	(0.0180)
Sample #3 =	6.7380	(0.0000)
Sample #4 =	6.7600	(0.0020)

Avg % Abs = 6.7343 (0.0067)
STD DEV = 0.0277 (0.0099)
REL STD DEV = 0.411 (147.986)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	12.5570	(-0.0100)
Sample #2 =	12.5630	(0.0100)
Sample #3 =	12.6300	(0.0030)
Sample #4 =	12.6280	(-0.0070)

Avg % Abs = 12.6070 (0.0020)
STD DEV = 0.0381 (0.0085)
REL STD DEV = 0.302 (427.200)

***** AUTO CAL DATA *****
<<<<< CHANNEL 1 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.045
Std Dev = 0.01 Rel Std Dev = 23.79
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.743
Std Dev = 0.02 Rel Std Dev = 2.37
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.808
Std Dev = 0.02 Rel Std Dev = 0.91
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.576
Std Dev = 0.01 Rel Std Dev = 0.30
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.734
Std Dev = 0.03 Rel Std Dev = 0.41
Zero Order Coef = -56.14
First Order Coef = 2546.98
Second Order Coef = 42.69
Standard Deviation = 64.554642

<<<<< CHANNEL 2 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.100
Std Dev = 0.02 Rel Std Dev = 19.41
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.458
Std Dev = 0.01 Rel Std Dev = 0.97
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.495
Std Dev = 0.01 Rel Std Dev = 0.23
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.833
Std Dev = 0.01 Rel Std Dev = 0.19
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 12.607
Std Dev = 0.04 Rel Std Dev = 0.38
Zero Order Coef = -69.08
First Order Coef = 1298.86
Second Order Coef = 17.14
Standard Deviation = 69.551598

Solution Stats Quadratic Fit Chan 1

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.001	-0.0012
0.040	0.039	0.0009
0.100	0.098	0.0015
0.200	0.202	-0.0016
0.400	0.400	0.0003

Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.001	-0.0013
0.040	0.039	0.0009
0.100	0.098	0.0017
0.200	0.202	-0.0017
0.400	0.400	0.0004

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3509.00
Sample #2 = 3459.00
Sample #3 = 3479.00
Sample #4 = 3462.00
Average Result = 3466.6667
STD DEV = 10.7858
REL STD DEV = 0.311
****
***** CHANNEL 2
Sample #1 = 3455.00
Sample #2 = 3455.00
Sample #3 = 3437.00
Sample #4 = 3454.00
Average Result = 3448.6667
STD DEV = 10.1160
REL STD DEV = 0.293
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1021
3 um H2O Adjust (mg/l*10,000) = 343
9 um H2O Adjust (mg/l*10,000) = 361
**** AUTO CAL PASS

BK

Stability Tests - Okaloosa CSO # 80-005057 8/17/16
Post Calibration

BK

OKALOOSA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005057
08/17/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:21
Control Test	0.049	10:22
Air Blank	0.000	10:22
Control Test	0.050	10:23
Air Blank	0.000	10:24
Control Test	0.049	10:24
Air Blank	0.000	10:25
Control Test Stats		
Average	0.0493	
Std Dev	0.0006	
Rel Std Dev(%)	1.1703	

PGM

Operator's Signature

OKALOOSA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005057
08/17/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:35
Control Test	0.079	10:35
Air Blank	0.000	10:36
Control Test	0.079	10:37
Air Blank	0.000	10:37
Control Test	0.079	10:38
Air Blank	0.000	10:38
Control Test Stats		
Average	0.0790	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

OKALOOSA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005057
08/17/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:26
Control Test	0.195	10:27
Air Blank	0.000	10:27
Control Test	0.197	10:28
Air Blank	0.000	10:29
Control Test	0.198	10:29
Air Blank	0.000	10:30
Control Test Stats		
Average	0.1967	
Std Dev	0.0015	
Rel Std Dev(%)	0.7767	

Operator's Signature

OKALOOSA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005057
08/17/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:31
Control Test	0.081	10:31
Air Blank	0.000	10:31
Control Test	0.081	10:32
Air Blank	0.000	10:32
Control Test	0.081	10:33
Air Blank	0.000	10:33
Control Test Stats		
Average	0.0810	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

JGS

Operator's Signature