FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Franklin CSO S/N 80-000952

Date In 9/22/16 Date Out 9/22/16 ☐Ship ☒P/U ☐H/D ☐CMI ☐EE

RECEIVED
SEP 26 2016
FDLE
Alcohol Testing Program

Intake Performed By PWS

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

- ☒ Breath Tube Screen
- ☒ Replace O-Rings
- ☒ Instrument Set Up Verified
- ☒ R-Value 222
- ☒ Flow Verification (L/s)
  - Flow Column # ATP102
  - 32mm 148 (.139 - .169)
  - 36mm 167 (.156 - .190)
  - 53mm 230 (.228 - .278)
  - 103mm 511 (.447 - .547)
- ☒ Barometric Pressure Check
  - Gauge ID # 28427
- ☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	SD1018	2015074
		7/14/17
0.08	SD1011	201601F
		1/26/18
0.20	SD1025	201604C
		4/5/18
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 – 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 PWS

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

Barometric Pressure Gauge 1015 ID # 26932

Simulator	Serial Number	Lot Number	Expiration
0.000	SD1016	N/A	N/A
0.040	SD1024	16101	2/2/18
0.100	DR1279	16001	5/8/18
0.200	DR3956	16103	6/14/18
0.400	SD1013	16102	3/22/18
0.080 DGS	N/A	15615D80A2	7/5/17

☒ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD1018	2015074	7/14/17
0.08	SD1011	201601F	1/26/18
0.20	SD1025	201604C	4/5/18
0.08 DGS	N/A	AG612405	5/3/18

Department Inspection Performed By PWS

- ☒ Barometric Pressure ID# 28427
  - 1016 Gauge
  - 1014 Instrument

Mouth Alcohol Solution Lot # 2016-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

Notes: OK 9/26/16

- ☒ **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 Hutchinson
Quality Control Review

9/26/16
Date

Revised November 2012

Stability Tests - Franklin CSO #80-000952 9/22/16
Pre-Calibration

FRANKLIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000952
09/22/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:40
Control Test	0.047	11:41
Air Blank	0.000	11:42
Control Test	0.049	11:42
Air Blank	0.000	11:43
Control Test	0.049	11:44
Air Blank	0.000	11:44
Control Test Stats		
Average	0.0483	
Std Dev	0.0012	
Rel Std Dev(%)	2.3890	

PWS
Operator's Signature

FRANKLIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000952
09/22/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:45
Control Test	0.078	11:46
Air Blank	0.000	11:46
Control Test	0.078	11:47
Air Blank	0.000	11:48
Control Test	0.079	11:48
Air Blank	0.000	11:49
Control Test Stats		
Average	0.0783	
Std Dev	0.0006	
Rel Std Dev(%)	0.7370	

PWS
Operator's Signature

FRANKLIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000952
09/22/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:36
Control Test	0.195	11:36
Air Blank	0.000	11:37
Control Test	0.196	11:38
Air Blank	0.000	11:38
Control Test	0.194	11:39
Air Blank	0.000	11:39
Control Test Stats		
Average	0.1950	
Std Dev	0.0010	
Rel Std Dev(%)	0.5128	

PWS
Operator's Signature

FRANKLIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000952
09/22/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:53
Control Test	0.082	11:54
Air Blank	0.000	11:54
Control Test	0.083	11:54
Air Blank	0.000	11:55
Control Test	0.082	11:55
Air Blank	0.000	11:56
Control Test Stats		
Average	0.0823	
Std Dev	0.0006	
Rel Std Dev(%)	0.7012	

DGS

BK

PWS
Operator's Signature

Optical Bench Calibration
#80-000952
Franklin CSO
9/22/16

FRANKLIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000952
09/22/2016 12:09:27

Auto Calibration
Max Power Res Value = 54
Auto Range Res Value = 38

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12851, 9um Io = 13131

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1790	(0.0090)
Sample #2 =	0.1540	(0.0790)
Sample #3 =	0.1590	(0.1210)
Sample #4 =	0.1730	(0.1530)

Avg % Abs = 0.1620 (0.1177)
STD DEV = 0.0098 (0.0371)
REL STD DEV = 6.080 (31.540)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1560	(-0.0270)
Sample #2 =	0.1470	(-0.0030)
Sample #3 =	0.1670	(0.0150)
Sample #4 =	0.1770	(0.0000)

Avg % Abs = 0.1637 (0.0040)
STD DEV = 0.0153 (0.0096)
REL STD DEV = 9.333 (241.091)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12827, 9um Io = 13126

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.9100	(-0.0300)
Sample #2 =	0.9500	(-0.0340)
Sample #3 =	0.9190	(0.0000)
Sample #4 =	0.8850	(0.0270)

Avg % Abs = 0.9180 (-0.0023)
STD DEV = 0.0325 (0.0306)
REL STD DEV = 3.542 (1310.008)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5280	(-0.0460)
Sample #2 =	1.5890	(-0.0380)
Sample #3 =	1.5190	(-0.0090)
Sample #4 =	1.5270	(-0.0020)

Avg % Abs = 1.5450 (-0.0163)
STD DEV = 0.0383 (0.0191)
REL STD DEV = 2.480 (116.862)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12825, 9um Io = 13126

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.9750	(-0.0110)
Sample #2 =	1.9950	(0.0030)
Sample #3 =	1.9860	(0.0220)
Sample #4 =	1.9710	(0.0450)

Avg % Abs = 1.9840 (0.0233)
STD DEV = 0.0121 (0.0210)
REL STD DEV = 0.611 (90.136)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5440	(-0.0170)
Sample #2 =	3.5390	(0.0030)
Sample #3 =	3.5460	(0.0160)
Sample #4 =	3.5560	(0.0470)

Avg % Abs = 3.5470 (0.0220)
STD DEV = 0.0085 (0.0226)
REL STD DEV = 0.241 (102.751)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12820, 9um Io = 13123

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.7210	(-0.0010)
Sample #2 =	3.7350	(0.0160)
Sample #3 =	3.7760	(0.0070)
Sample #4 =	3.7480	(0.0270)

Avg % Abs = 3.7530 (0.0167)
STD DEV = 0.0210 (0.0100)
REL STD DEV = 0.558 (60.100)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.7680	(-0.0070)
Sample #2 =	6.7920	(0.0120)
Sample #3 =	6.8130	(0.0190)
Sample #4 =	6.8030	(0.0140)

Avg % Abs = 6.8027 (0.0150)
STD DEV = 0.0105 (0.0036)
REL STD DEV = 0.154 (24.037)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12819, 9um Io = 13123

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.1100	(-0.0190)
Sample #2 =	7.0780	(0.0150)
Sample #3 =	7.0600	(0.0350)
Sample #4 =	7.0530	(0.0240)

Avg % Abs = 7.0637 (0.0247)
STD DEV = 0.0129 (0.0100)
REL STD DEV = 0.183 (40.608)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	12.7230	(-0.0210)
Sample #2 =	12.6910	(0.0420)
Sample #3 =	12.6870	(0.0510)
Sample #4 =	12.7200	(0.0380)

Avg % Abs = 12.6993 (0.0437)
STD DEV = 0.0180 (0.0067)
REL STD DEV = 0.142 (15.248)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.162
Std Dev = 0.01 Rel Std Dev = 6.08
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.918
Std Dev = 0.03 Rel Std Dev = 3.54
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.984
Std Dev = 0.01 Rel Std Dev = 0.61
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.753
Std Dev = 0.02 Rel Std Dev = 0.56
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 7.064
Std Dev = 0.01 Rel Std Dev = 0.18
Zero Order Coef = -421.15
First Order Coef = 2536.07
Second Order Coef = 31.13
Standard Deviation = 21.615335

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.164
Std Dev = 0.02 Rel Std Dev = 9.33
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.545
Std Dev = 0.04 Rel Std Dev = 2.48
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.547
Std Dev = 0.01 Rel Std Dev = 0.24
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.803
Std Dev = 0.01 Rel Std Dev = 0.15
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 12.699
Std Dev = 0.02 Rel Std Dev = 0.14
Zero Order Coef = -203.92
First Order Coef = 1340.98
Second Order Coef = 13.74
Standard Deviation = 25.309144

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Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	-0.000	0.0002
0.040	0.041	-0.0006
0.100	0.099	0.0006
0.200	0.200	-0.0002
0.400	0.400	0.0000

Solution Stats Quadratic Fit Chan 2

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.000	-0.0003
0.040	0.040	0.0001
0.100	0.099	0.0008
0.200	0.201	-0.0006
0.400	0.400	0.0001

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 2694.00
Sample #2 = 2665.00
Sample #3 = 2735.00
Sample #4 = 2740.00
Average Result = 2713.3333
STD DEV = 41.9325
REL STD DEV = 1.545
****
***** CHANNEL 2
Sample #1 = 3094.00
Sample #2 = 3069.00
Sample #3 = 3059.00
Sample #4 = 3108.00
Average Result = 3078.6667
STD DEV = 25.8908
REL STD DEV = 0.841
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1014
3 um H2O Adjust (mg/l*10,000) = 1096
9 um H2O Adjust (mg/l*10,000) = 731
**** AUTO CAL PASS

Stability Tests - Franklin CSO #80-000952 9/22/16
Post-Calibration

FRANKLIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000952
09/22/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:52
Control Test	0.049	12:53
Air Blank	0.000	12:53
Control Test	0.050	12:54
Air Blank	0.000	12:55
Control Test	0.050	12:55
Air Blank	0.000	12:56
Control Test Stats		
Average	0.0497	
Std Dev	0.0006	
Rel Std Dev(%)	1.1625	

✓

JWS

Operator's Signature

FRANKLIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000952
09/22/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:06
Control Test	0.079	13:07
Air Blank	0.000	13:07
Control Test	0.080	13:08
Air Blank	0.000	13:09
Control Test	0.080	13:09
Air Blank	0.000	13:10
Control Test Stats		
Average	0.0797	
Std Dev	0.0006	
Rel Std Dev(%)	0.7247	

✓

JWS

Operator's Signature

FRANKLIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000952
09/22/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:02
Control Test	0.198	13:02
Air Blank	0.000	13:03
Control Test	0.199	13:04
Air Blank	0.000	13:04
Control Test	0.198	13:05
Air Blank	0.000	13:05
Control Test Stats		
Average	0.1983	
Std Dev	0.0006	
Rel Std Dev(%)	0.2911	

✓

JWS

Operator's Signature

FRANKLIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000952
09/22/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:11
Control Test	0.081	13:11
Air Blank	0.000	13:12
Control Test	0.080	13:12
Air Blank	0.000	13:13
Control Test	0.080	13:13
Air Blank	0.000	13:13
Control Test Stats		
Average	0.0803	
Std Dev	0.0006	
Rel Std Dev(%)	0.7187	

DGJ

BK

JWS

Operator's Signature