FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency FWC S/N 80-000900

Date In 4/6/17 Date Out 4/12/17 ❑Ship ☒P/U ❑H/D ❑CMI ❑EE

Intake Performed By

- ❑ 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 221
- ☒ Flow Verification (L/s)

Flow Column # ATP102

32mm .144 (.139 - .169)
36mm .160 (.156 - .190)
53mm .234 (.228 - .278)
103mm .484 (.447 - .547)

- ☒ Barometric Pressure Check

Gauge ID # 28421

- ☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	DR2035	2016030 3/8/18
0.08	SD 3964	201611B 11/15/18
0.20	SD1025	201604C 4/5/18
0.08 DGS	N/A	AG626604 9/22/18

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)

RECEIVED APR 12 2017 FDLE Alcohol Testing Program

Maintenance Performed By

- ❑ Battery Replacement
- ❑ Dry Gas Regulator Replacement
- ❑ Breath Tube Replacement
- ❑ Other

Suggested Service

Optical Bench Calibration Performed By

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

Barometric Pressure Gauge 1021 ID # 26932

Simulator	Serial Number	Lot Number	Expiration
0.000	SD 1016	N/A	N/A
0.040	SD1024	16101	2/2/18
0.100	SD1022	15001	5/20/17
0.200	DR3855	15104	5/27/17
0.400	G2407	15105	6/10/17
0.080 DGS	N/A	15615080A2	7/5/17

☒ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	DR2035	2016030	3/8/18
0.08	SD3964	201611B	11/15/16
0.20	SD1025	201604C	4/5/18
0.08 DGS	N/A	AG626604	9/22/18

Department Inspection Performed By

☒ Barometric Pressure ID# 28421 — 1021 Gauge — 1021 Instrument

Mouth Alcohol Solution Lot # 2016-C
Acetone Stock Solution Lot # 2017-A

Simulator	Serial Number
0.00	SD1019
Interferent	SD1021
0.05	DR 2035
0.08	SD 3964
0.20	SD1025

Attachments

- ☒ Form 41
- ☒ Pre-Stability Tests
- ❑ Flow Calibration
- ☒ Optical Bench Cal
- ☒ Post-Stability Tests
- ☒ Other Form 40

Notes: QA/QC OK SP

- ☒ **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 Kirtland
Quality Control Review

4/12/17
Date

80-00900
Stability Checks
4/6/17

INTOXILYZER 8000
Instrument Initialization
09:32 04/06/2017

FWC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000900
04/06/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:04
Control Test	0.049	10:05
Air Blank	0.000	10:06
Control Test	0.049	10:06
Air Blank	0.000	10:07
Control Test	0.049	10:08
Air Blank	0.000	10:08
Control Test Stats		
Average	0.0490	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

P Murphy
Operator's Signature

FWC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000900
04/06/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:09
Control Test	0.195	10:10
Air Blank	0.000	10:10
Control Test	0.196	10:11
Air Blank	0.000	10:12
Control Test	0.195	10:12
Air Blank	0.000	10:13
Control Test Stats		
Average	0.1953	
Std Dev	0.0006	
Rel Std Dev(%)	0.2956	

P Murphy
Operator's Signature

FWC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000900
04/06/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:15
Control Test	0.079	10:15
Air Blank	0.000	10:16
Control Test	0.078	10:16
Air Blank	0.000	10:17
Control Test	0.079	10:18
Air Blank	0.000	10:18
Control Test Stats		
Average	0.0787	
Std Dev	0.0006	
Rel Std Dev(%)	0.7339	

P Murphy
Operator's Signature

FWC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000900
04/06/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:20
Control Test	0.077	10:21
Air Blank	0.000	10:21
Control Test	0.076	10:21
Air Blank	0.000	10:22
Control Test	0.076	10:22
Air Blank	0.000	10:23
Control Test Stats		
Average	0.0763	
Std Dev	0.0006	
Rel Std Dev(%)	0.7564	

DGS

P Murphy
Operator's Signature

FWC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000900
04/06/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:27
Control Test	0.077	10:27
Air Blank	0.000	10:28
Control Test	0.076	10:28
Air Blank	0.000	10:29
Control Test	0.077	10:29
Air Blank	0.000	10:29
Control Test Stats		
Average	0.0767	
Std Dev	0.0006	
Rel Std Dev(%)	0.7531	

P Murphy
Operator's Signature

SP
BK

80-000900
~~Stat~~ Optical Bench Cal
4/12/17 [initials]

INTOXILYZER 8000
Instrument Initialization
07:42 04/12/2017

FWC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000900
04/12/2017 08:44:08

Auto Calibration
Max Power Res Value = 37
Auto Range Res Value = 29
Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12771, 9um Io = 12875
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0910	(-0.0480)
Sample #2 =	0.0650	(0.0050)
Sample #3 =	0.1070	(0.0180)
Sample #4 =	0.0900	(0.0160)

Avg % Abs = 0.0873 (0.0130)
STD DEV = 0.0211 (0.0070)
REL STD DEV = 24.191 (53.846)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1060	(-0.0210)
Sample #2 =	0.1270	(-0.0090)
Sample #3 =	0.1390	(0.0000)
Sample #4 =	0.1470	(-0.0080)

Avg % Abs = 0.1377 (-0.0057)
STD DEV = 0.0101 (0.0049)
REL STD DEV = 7.312 (87.051)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12763, 9um Io = 12872
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7930	(-0.0260)
Sample #2 =	0.7740	(0.0090)
Sample #3 =	0.7530	(0.0160)
Sample #4 =	0.7530	(0.0320)

Avg % Abs = 0.7600 (0.0190)
STD DEV = 0.0121 (0.0118)
REL STD DEV = 1.595 (62.052)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5320	(0.0000)
Sample #2 =	1.5280	(0.0040)
Sample #3 =	1.5310	(0.0070)
Sample #4 =	1.5600	(-0.0020)

Avg % Abs = 1.5397 (0.0030)
STD DEV = 0.0177 (0.0046)
REL STD DEV = 1.148 (152.753)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12755, 9um Io = 12869
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.7900	(-0.0140)
Sample #2 =	1.7820	(0.0290)
Sample #3 =	1.7810	(0.0220)
Sample #4 =	1.7920	(0.0500)

Avg % Abs = 1.7850 (0.0337)
STD DEV = 0.0061 (0.0146)
REL STD DEV = 0.341 (43.282)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6360	(-0.0110)
Sample #2 =	3.6710	(0.0120)
Sample #3 =	3.6320	(0.0270)
Sample #4 =	3.6600	(0.0230)

Avg % Abs = 3.6543 (0.0207)
STD DEV = 0.0201 (0.0078)
REL STD DEV = 0.550 (37.584)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12746, 9um Io = 12864
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4090	(-0.0050)
Sample #2 =	3.4640	(0.0000)
Sample #3 =	3.4220	(0.0140)
Sample #4 =	3.4200	(0.0240)

Avg % Abs = 3.4353 (0.0127)
STD DEV = 0.0248 (0.0121)
REL STD DEV = 0.723 (95.174)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.0100	(-0.0090)
Sample #2 =	7.0060	(0.0260)
Sample #3 =	6.9870	(0.0370)
Sample #4 =	6.9750	(0.0520)

Avg % Abs = 6.9893 (0.0383)
STD DEV = 0.0156 (0.0131)
REL STD DEV = 0.224 (34.047)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12741, 9um Io = 12858
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.5940	(-0.0090)
Sample #2 =	6.5660	(0.0190)
Sample #3 =	6.5470	(0.0470)
Sample #4 =	[illegible]	[illegible]

Avg % Abs = 6.5480 (0.0450)
STD DEV = 0.0175 (0.0251)
REL STD DEV = 0.268 (55.689)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	13.1570	(-0.0170)
Sample #2 =	13.1100	(0.0410)
Sample #3 =	13.1020	(0.0570)
Sample #4 =	13.0960	(0.0830)

Avg % Abs = 13.1027 (0.0603)
STD DEV = 0.0070 (0.0212)
REL STD DEV = 0.054 (35.134)

***** AUTO CAL DATA *****
<<<<< CHANNEL 1 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.087
Std Dev = 0.02 Rel Std Dev = 24.19
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.760
Std Dev = 0.01 Rel Std Dev = 1.60
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.785
Std Dev = 0.01 Rel Std Dev = 0.34
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.435
Std Dev = 0.02 Rel Std Dev = 0.72
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.548
Std Dev = 0.02 Rel Std Dev = 0.27
Zero Order Coef = -215.67
First Order Coef = 2727.06
Second Order Coef = 32.72
Standard Deviation = 20.157993

<<<<< CHANNEL 2 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.138
Std Dev = 0.01 Rel Std Dev = 7.31
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.540
Std Dev = 0.02 Rel Std Dev = 1.15
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.654
Std Dev = 0.02 Rel Std Dev = 0.55
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.989
Std Dev = 0.02 Rel Std Dev = 0.22
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 13.103
Std Dev = 0.01 Rel Std Dev = 0.05
Zero Order Coef = -154.97
First Order Coef = 1297.56
Second Order Coef = 12.79
Standard Deviation = 21.461746

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.000	-0.0005
0.040	0.039	0.0006
0.100	0.100	0.0001
0.200	0.200	-0.0003
0.400	0.400	0.0001

Solution Stats Quadratic Fit Chan 2

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.001	-0.0005
0.040	0.039	0.0007
0.100	0.100	0.0001
0.200	0.200	-0.0003
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 = 3034.00
Sample #2 = 3108.00
Sample #3 = 3030.00
Sample #4 = 2936.00
Average Result = 3024.6667
STD DEV = 86.1239
REL STD DEV = 2.847
****
***** CHANNEL 2
Sample #1 = 3203.00
Sample #2 = 3250.00
Sample #3 = 3212.00
Sample #4 = 3193.00
Average Result = 3218.3333
STD DEV = 29.0230
REL STD DEV = 0.902
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1021
3 um H2O Adjust (mg/l*10,000) = 785
9 um H2O Adjust (mg/l*10,000) = 591
**** AUTO CAL PASS

BK

SP

FWC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000900
04/12/2017 08:44:08

Auto Calibration

<<<<< 3um >>>>> <<<<< 9um >>>>>

Solution = 0.000 g/210L or 0.0000 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.0910	(-0.0480)	0.1060	(-0.0210)
Sample #2	0.0650	(0.0050)	0.1270	(-0.0090)
Sample #3	0.1070	(0.0180)	0.1390	(0.0000)
Sample #4	0.0900	(0.0160)	0.1470	(-0.0080)
Avg % Abs	0.0873	(0.0130)	0.1377	(-0.0057)
STD DEV	0.0211	(0.0070)	0.0101	(0.0049)
REL STD DEV	24.191	(53.846)	7.312	(87.051)

Solution = 0.040 g/210L or 0.1905 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.7930	(-0.0260)	1.5320	(0.0000)
Sample #2	0.7740	(0.0090)	1.5280	(0.0040)
Sample #3	0.7530	(0.0160)	1.5310	(0.0070)
Sample #4	0.7530	(0.0320)	1.5600	(-0.0020)
Avg % Abs	0.7600	(0.0190)	1.5397	(0.0030)
STD DEV	0.0121	(0.0118)	0.0177	(0.0046)
REL STD DEV	1.595	(62.052)	1.148	(152.753)

Solution = 0.100 g/210L or 0.4762 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	1.7900	(-0.0140)	3.6360	(-0.0110)
Sample #2	1.7820	(0.0290)	3.6710	(0.0120)
Sample #3	1.7810	(0.0220)	3.6320	(0.0270)
Sample #4	1.7920	(0.0500)	3.6600	(0.0230)
Avg % Abs	1.7850	(0.0337)	3.6543	(0.0207)
STD DEV	0.0061	(0.0146)	0.0201	(0.0078)
REL STD DEV	0.341	(43.282)	0.550	(37.584)

SP BK

Solution = 0.200 g/210L or 0.9524 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	3.4090	(-0.0050)	7.0100	(-0.0090)
Sample #2	3.4640	(0.0000)	7.0060	(0.0260)
Sample #3	3.4220	(0.0140)	6.9870	(0.0370)
Sample #4	3.4200	(0.0240)	6.9750	(0.0520)
Avg % Abs	3.4353	(0.0127)	6.9893	(0.0383)
STD DEV	0.0248	(0.0121)	0.0156	(0.0131)
REL STD DEV	0.723	(95.174)	0.224	(34.047)

Solution = 0.400 g/210L or 1.9048 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	6.5940	(-0.0090)	13.1570	(-0.0170)
Sample #2	6.5660	(0.0190)	13.1100	(0.0410)
Sample #3	6.5470	(0.0470)	13.1020	(0.0570)
Sample #4	6.5310	(0.0690)	13.0960	(0.0830)
Avg % Abs	6.5480	(0.0450)	13.1027	(0.0603)
STD DEV	0.0175	(0.0251)	0.0070	(0.0212)
REL STD DEV	0.268	(55.689)	0.054	(35.134)

FWC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000900
04/12/2017 08:44:08

Auto Calibration

	<<<<< 3um >>>>>	<<<<< 9um >>>>>
Zero Order Coef	-215.67	-154.97
First Order Coef	2727.06	1297.56
Second Order Coef	32.72	12.79

3um Act (g/210L)	3um Fit (g/210L)	3um Residual (g/210L)	9um Act (g/210L)	9um Fit (g/210L)	9um Residual (g/210L)
0.000	0.000	-0.0005	0.000	0.001	-0.0005
0.040	0.039	0.0006	0.040	0.039	0.0007
0.100	0.100	0.0001	0.100	0.100	0.0001
0.200	0.200	-0.0003	0.200	0.200	-0.0003
0.400	0.400	0.0001	0.400	0.400	0.0001

Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1

Sample	<<<<< 3um >>>>>	<<<<< 9um >>>>>
Sample #1	3034.00	3203.00
Sample #2	3108.00	3250.00
Sample #3	3030.00	3212.00
Sample #4	2936.00	3193.00
Avg	3024.6667	3218.3333
STD DEV	86.1239	29.0230
REL STD DEV	2.847	0.902
H2O adjust (mg/l*10k)	785	591

SP

Barometric Pressure = 1021

BK

**************CALIBRATION SUCCESSFUL**************

80-000900
Post optical Bench Cal
Stability checks
4/12/17

FWC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000900
04/12/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:51
Control Test	0.080	10:52
Air Blank	0.000	10:52
Control Test	0.080	10:52
Air Blank	0.000	10:53
Control Test	0.080	10:53
Air Blank	0.000	10:54
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

DGS

Operator's Signature

FWC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000900
04/12/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:58
Control Test	0.049	10:58
Air Blank	0.000	10:59
Control Test	0.049	11:00
Air Blank	0.000	11:00
Control Test	0.050	11:01
Air Blank	0.000	11:01
Control Test Stats		
Average	0.0493	
Std Dev	0.0006	
Rel Std Dev(%)	1.1703	

Operator's Signature

FWC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000900
04/12/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:05
Control Test	0.081	11:06
Air Blank	0.000	11:06
Control Test	0.080	11:07
Air Blank	0.000	11:08
Control Test	0.079	11:08
Air Blank	0.000	11:09
Control Test Stats		
Average	0.0800	
Std Dev	0.0010	
Rel Std Dev(%)	1.2500	

Operator's Signature

FWC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000900
04/12/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:10
Control Test	0.198	11:11
Air Blank	0.000	11:12
Control Test	0.197	11:12
Air Blank	0.000	11:13
Control Test	0.198	11:13
Air Blank	0.000	11:14
Control Test Stats		
Average	0.1977	
Std Dev	0.0006	
Rel Std Dev(%)	0.2921	

SP
BK

Operator's Signature