FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Columbia County S/N 80-000775

Date In 7/13/17 Date Out 9/19/17 ☒Ship ☐P/U ☐H/D ☐CMI ☐EE

RECEIVED SEP 19 2017 FDLE Alcohol Testing Program

Intake Performed By [initials]

☐ 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 Static Bag

Notes:

Quality Checks Performed By [initials]

☒ Lab Temp °C 21.9
☒ Breath Tube Screen
☒ Replace External O-Rings
☒ Instrument Set Up Verified
☒ R-Value 189
☒ Flow Verification (L/s)
Flow Column # ATP102
32mm .146 (.139 - .169)
36mm .162 (.156 - .190)
53mm .231 (.228 - .278)
103mm .498 (.447 - .547)
☒ Barometric Pressure Check
Gauge ID # 28421
☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	G2078	2016030 3/8/18
0.08	G8149	201611B 11/15/18
0.20	G11621	201702B 2/23/19
0.08 DGS	N/A	AG619605 7/14/18

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

Quality Checks Cont. Performed By [initials]

Simulator Temperatures °C

External Digital Therm. ID#: 300504/300505
☒ 34°C +-.2 Serial #: G2078/SD3962
☒ 34°C +-.2 Serial #: G8149/SD1013
☒ 34°C +-.2 Serial #: G11621/G2408/SD3933

Calibration Adjustment Performed By [initials]

☐ Calibration Adjustment N/A
☒ Calibration Adjustment Complete
Barometric Pressure Gauge 1013 ID # 26932

Simulator	Serial Number	Lot Number	Expiration
0.000	G16621	N/A	N/A
0.040	SD1018	16320	10/21/18
0.100	SD1012	17060	2/14/19
0.200	SD1011	17090	2/14/19
0.300	DR1275	16410	12/19/18
0.080 DGS	N/A	2451508OA2	10/5/17

☒ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD3962	2017070	7/25/19
0.08	SD1013	201707E	7/25/19
0.20	SD3933	201707C	7/24/19
0.08 DGS	N/A	AG619605	7/14/18

Department Inspection Performed By [initials]

☒ Barometric Pressure ID# 28421 1013 Gauge
1011 Instrument

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

Simulator	Serial Number
0.00	~~G2879~~ SD1019
Interferent	~~G8444~~ SD1021
0.05	~~G2078~~ SD3962
0.08	~~G8149~~ SD1013
0.20	~~G11621~~ SD3933

Attachments

☒ Form 41 ☒ Calibration Adjustment
☒ Pre-Stability Tests ☒ Post-Stability Tests
☐ Flow Calibration ☒ Other Form 40

Notes/Suggested Service:
Had to Bypass A2 to operate instrument. Inadvertently began it. I exited out of it. No bearing on compliance.
QA/QC ok [initials] 9/19/2017

[signature] 9/19/17
Quality Control Review Date

☒ **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**

80-000775
Stability Checks
8/3/17

COLUMBIA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000775
08/03/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:05
Control Test	0.082	08:05
Air Blank	0.000	08:06
Control Test	0.083	08:06
Air Blank	0.000	08:07
Control Test	0.082	08:07
Air Blank	0.000	08:08
Control Test Stats		
Average	0.0823	
Std Dev	0.0006	
Rel Std Dev(%)	0.7012	

DGS

Operator's Signature

COLUMBIA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000775
08/03/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:11
Control Test	0.169	08:11
Air Blank	0.000	08:12
Control Test	0.173	08:13
Air Blank	0.000	08:13
Control Test	0.175	08:14
Air Blank	0.000	08:14
Control Test Stats		
Average	0.1723	
Std Dev	0.0031	
Rel Std Dev(%)	1.7728	

Possible crack in simulator. will change Sim. + retest.

Operator's Signature

COLUMBIA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000775
08/03/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:20
Control Test	0.048	08:21
Air Blank	0.000	08:21
Control Test	0.049	08:22
Air Blank	0.000	08:23
Control Test	0.049	08:23
Air Blank	0.000	08:24
Control Test Stats		
Average	0.0487	
Std Dev	0.0006	
Rel Std Dev(%)	1.1863	

Operator's Signature

COLUMBIA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000775
08/03/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:27
Control Test	0.078	08:28
Air Blank	0.000	08:29
Control Test	0.079	08:29
Air Blank	0.000	08:30
Control Test	0.079	08:31
Air Blank	0.000	08:31
Control Test Stats		
Average	0.0787	
Std Dev	0.0006	
Rel Std Dev(%)	0.7339	

Operator's Signature

COLUMBIA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000775
08/03/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:36
Control Test	0.200	09:37
Air Blank	0.000	09:37
Control Test	0.201	09:38
Air Blank	0.000	09:39
Control Test	0.201	09:39
Air Blank	0.000	09:40
Control Test Stats		
Average	0.2007	
Std Dev	0.0006	
Rel Std Dev(%)	0.2877	

Retested w/ new Sim + solutions OK. ✓

Operator's Signature

9/19/17

COLUMBIA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000775
09/19/2017 08:29:04

Auto Calibration
Max Power Res Value = 29
Auto Range Res Value = 17
Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12506, 9um Io = 13218

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1160	(-0.0210)
Sample #2 =	0.0810	(0.0300)
Sample #3 =	0.1070	(0.0520)
Sample #4 =	0.1060	(0.0370)

Avg % Abs = 0.0980 (0.0397)
STD DEV = 0.0147 (0.0112)
REL STD DEV = 15.032 (28.336)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0990	(-0.0290)
Sample #2 =	0.0850	(-0.0100)
Sample #3 =	0.1080	(0.0050)
Sample #4 =	0.0840	(0.0030)

Avg % Abs = 0.0923 (-0.0007)
STD DEV = 0.0136 (0.0081)
REL STD DEV = 14.704 (1221.679)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12491, 9um Io = 13213

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8370	(-0.0210)
Sample #2 =	0.8430	(-0.0030)
Sample #3 =	0.7880	(0.0220)
Sample #4 =	0.8210	(0.0210)

Avg % Abs = 0.8173 (0.0133)
STD DEV = 0.0277 (0.0142)
REL STD DEV = 3.387 (106.154)

9/19/17

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5150	(-0.0200)
Sample #2 =	1.4840	(0.0110)
Sample #3 =	1.4810	(0.0170)
Sample #4 =	1.5150	(-0.0020)

Avg % Abs = 1.4933 (0.0087)
STD DEV = 0.0188 (0.0097)
REL STD DEV = 1.261 (112.068)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12481, 9um Io = 13209

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.9010	(-0.0030)
Sample #2 =	1.9090	(-0.0170)
Sample #3 =	1.9210	(0.0250)
Sample #4 =	1.9120	(0.0360)

Avg % Abs = 1.9140 (0.0147)
STD DEV = 0.0062 (0.0280)
REL STD DEV = 0.326 (190.706)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5810	(-0.0040)
Sample #2 =	3.5570	(0.0080)
Sample #3 =	3.5750	(0.0180)
Sample #4 =	3.5600	(0.0280)

Avg % Abs = 3.5640 (0.0180)
STD DEV = 0.0096 (0.0100)
REL STD DEV = 0.271 (55.556)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12469, 9um Io = 13202

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6090	(-0.0150)
Sample #2 =	3.6480	(0.0090)
Sample #3 =	3.6450	(-0.0040)
Sample #4 =	3.6580	(0.0150)

Avg % Abs = 3.6503 (0.0067)
STD DEV = 0.0068 (0.0097)
REL STD DEV = 0.186 (145.688)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.7640	(0.0150)
Sample #2 =	6.7940	(0.0220)
Sample #3 =	6.8100	(0.0070)
Sample #4 =	6.8020	(0.0150)

Avg % Abs = 6.8020 (0.0147)
STD DEV = 0.0080 (0.0075)
REL STD DEV = 0.118 (51.174)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12465, 9um Io = 13197

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.3000	(-0.0140)
Sample #2 =	5.3250	(-0.0020)
Sample #3 =	5.3140	(0.0200)
Sample #4 =	5.2990	(0.0510)

Avg % Abs = 5.3127 (0.0230)
STD DEV = 0.0131 (0.0266)
REL STD DEV = 0.246 (115.770)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.8260	(0.0060)
Sample #2 =	9.8600	(0.0020)
Sample #3 =	9.8810	(-0.0080)
Sample #4 =	9.8590	(0.0140)

Avg % Abs = 9.8667 (0.0027)
STD DEV = 0.0124 (0.0110)
REL STD DEV = 0.126 (413.068)

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

<<<<< CHANNEL 1 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.098
Std Dev = 0.01 Rel Std Dev = 15.03
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.817
Std Dev = 0.03 Rel Std Dev = 3.39
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.914
Std Dev = 0.01 Rel Std Dev = 0.33
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.650
Std Dev = 0.01 Rel Std Dev = 0.19
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.313
Std Dev = 0.01 Rel Std Dev = 0.25
Zero Order Coef = -231.87
First Order Coef = 2547.94
Second Order Coef = 34.63
Standard Deviation = 19.004267

<<<<< CHANNEL 2 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.092
Std Dev = 0.01 Rel Std Dev = 14.70
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.493
Std Dev = 0.02 Rel Std Dev = 1.26
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.564
Std Dev = 0.01 Rel Std Dev = 0.27
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.802
Std Dev = 0.01 Rel Std Dev = 0.12
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.867
Std Dev = 0.01 Rel Std Dev = 0.13
Zero Order Coef = -115.13
First Order Coef = 1321.53
Second Order Coef = 13.98
Standard Deviation = 9.996161

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.000	-0.0004
0.040	0.039	0.0007
0.100	0.100	-0.0002
0.200	0.200	-0.0001
0.300	0.300	0.0001

80-000775
Optical Bench Cal,
9/19/17

Solution Stats Quadratic Fit Chan 2

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.000	-0.0001
0.040	0.040	0.0003
0.100	0.100	-0.0002
0.200	0.200	0.0001
0.300	0.300	0.0000

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3091.00
Sample #2 = 3068.00
Sample #3 = 3090.00
Sample #4 = 3085.00
Average Result = 3081.0000
STD DEV = 11.5326
REL STD DEV = 0.374
****
***** CHANNEL 2
Sample #1 = 3429.00
Sample #2 = 3388.00
Sample #3 = 3398.00
Sample #4 = 3391.00
Average Result = 3392.3333
STD DEV = 5.1316
REL STD DEV = 0.151
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1011
3 um H2O Adjust (mg/l*10,000) = 728
9 um H2O Adjust (mg/l*10,000) = 417
**** AUTO CAL PASS

COLUMBIA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000775
09/19/2017 08:29:04

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	0.1160	(-0.0210)	0.0990	(-0.0290)
Sample #2	0.0810	(0.0300)	0.0850	(-0.0100)
Sample #3	0.1070	(0.0520)	0.1080	(0.0050)
Sample #4	0.1060	(0.0370)	0.0840	(0.0030)
Avg % Abs	0.0980	(0.0397)	0.0923	(-0.0007)
STD DEV	0.0147	(0.0112)	0.0136	(0.0081)
REL STD DEV	15.032	(28.336)	14.704	(1221.679)
Solution = 0.040 g/210L or 0.1905 mg/l, Samples = 4, Discarded = 1				
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.8370	(-0.0210)	1.5150	(-0.0200)
Sample #2	0.8430	(-0.0030)	1.4840	(0.0110)
Sample #3	0.7880	(0.0220)	1.4810	(0.0170)
Sample #4	0.8210	(0.0210)	1.5150	(-0.0020)
Avg % Abs	0.8173	(0.0133)	1.4933	(0.0087)
STD DEV	0.0277	(0.0142)	0.0188	(0.0097)
REL STD DEV	3.387	(106.154)	1.261	(112.068)
Solution = 0.100 g/210L or 0.4762 mg/l, Samples = 4, Discarded = 1				
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	1.9010	(-0.0030)	3.5810	(-0.0040)
Sample #2	1.9090	(-0.0170)	3.5570	(0.0080)
Sample #3	1.9210	(0.0250)	3.5750	(0.0180)
Sample #4	1.9120	(0.0360)	3.5600	(0.0280)
Avg % Abs	1.9140	(0.0147)	3.5640	(0.0180)
STD DEV	0.0062	(0.0280)	0.0096	(0.0100)
REL STD DEV	0.326	(190.706)	0.271	(55.556)
Solution = 0.200 g/210L or 0.9524 mg/l, Samples = 4, Discarded = 1				
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	3.6090	(-0.0150)	6.7640	(0.0150)
Sample #2	3.6480	(0.0090)	6.7940	(0.0220)
Sample #3	3.6450	(-0.0040)	6.8100	(0.0070)
Sample #4	3.6580	(0.0150)	6.8020	(0.0150)
Avg % Abs	3.6503	(0.0067)	6.8020	(0.0147)
STD DEV	0.0068	(0.0097)	0.0080	(0.0075)
REL STD DEV	0.186	(145.688)	0.118	(51.174)
Solution = 0.300 g/210L or 1.4286 mg/l, Samples = 4, Discarded = 1				
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	5.3000	(-0.0140)	9.8260	(0.0060)
Sample #2	5.3250	(-0.0020)	9.8600	(0.0020)
Sample #3	5.3140	(0.0200)	9.8810	(-0.0080)
Sample #4	5.2990	(0.0510)	9.8590	(0.0140)
Avg % Abs	5.3127	(0.0230)	9.8667	(0.0027)
STD DEV	0.0131	(0.0266)	0.0124	(0.0110)
REL STD DEV	0.246	(115.770)	0.126	(413.068)

PJom

9/19/17
JJ

COLUMBIA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000775
09/19/2017 08:29:04

Auto Calibration

	<<<<< 3um >>>>>	<<<<< 9um >>>>>
Zero Order Coef	-231.87	-115.13
First Order Coef	2547.94	1321.53
Second Order Coef	34.63	13.98

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	-0.0004	0.000	0.000	-0.0001
0.040	0.039	0.0007	0.040	0.040	0.0003
0.100	0.100	-0.0002	0.100	0.100	-0.0002
0.200	0.200	-0.0001	0.200	0.200	0.0001
0.300	0.300	0.0001	0.300	0.300	0.0000

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

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

	3um	9um
Sample #1	3091.00	3429.00
Sample #2	3068.00	3388.00
Sample #3	3090.00	3398.00
Sample #4	3085.00	3391.00
Avg	3081.0000	3392.3333
STD DEV	11.5326	5.1316
REL STD DEV	0.374	0.151
H2O adjust (mg/l*10k)	728	417

Pgm

Barometric Pressure = 1011

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

9/19/17
JD

80-000775
Post optical Bench cal. Stability checks
9/19/17

COLUMBIA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000775
09/19/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:29
Control Test	0.080	09:29
Air Blank	0.000	09:30
Control Test	0.081	09:30
Air Blank	0.000	09:31
Control Test	0.080	09:31
Air Blank	0.000	09:31
Control Test Stats		
Average	0.0803	
Std Dev	0.0006	
Rel Std Dev(%)	0.7187	

DOS

Operator's Signature

COLUMBIA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000775
09/19/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:33
Control Test	0.049	09:34
Air Blank	0.000	09:34
Control Test	0.049	09:35
Air Blank	0.000	09:35
Control Test	0.050	09:36
Air Blank	0.000	09:37
Control Test Stats		
Average	0.0493	
Std Dev	0.0006	
Rel Std Dev(%)	1.1703	

Operator's Signature

COLUMBIA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000775
09/19/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:38
Control Test	0.081	09:38
Air Blank	0.000	09:39
Control Test	0.081	09:39
Air Blank	0.000	09:40
Control Test	0.081	09:41
Air Blank	0.000	09:41
Control Test Stats		
Average	0.0810	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

COLUMBIA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000775
09/19/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:42
Control Test	0.200	09:43
Air Blank	0.000	09:44
Control Test	0.199	09:44
Air Blank	0.000	09:45
Control Test	0.199	09:46
Air Blank	0.000	09:46
Control Test Stats		
Average	0.1993	
Std Dev	0.0006	
Rel Std Dev(%)	0.2896	

Operator's Signature

COLUMBIA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000775
09/19/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:54
Control Test	0.081	09:54
Air Blank	0.000	09:54
Control Test	0.080	09:55
Air Blank	0.000	09:55
Control Test	0.080	09:56
Air Blank	0.000	09:56
Control Test Stats		
Average	0.0803	
Std Dev	0.0006	
Rel Std Dev(%)	0.7187	

PDM

Operator's Signature

9/19/17