FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Tyndall AFB S/N 80-001646

Date In 7/25/17 Date Out 9/5/2017 ☐Ship ☒P/U ☐H/D ☐CMI ☐EE

RECEIVED SEP 14 2017 Alcohol Testing Program FDLE

Intake Performed By RMB

- ☐ 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 PJM

- ☒ Lab Temp °C 22.5
- ☒ Breath Tube Screen
- ☒ Replace External O-Rings
- ☒ Instrument Set Up Verified
- ☒ R-Value .215
- ☒ Flow Verification (L/s)

Flow Column # ATP102

32mm .152 (.139 - .169)
36mm .167 (.156 - .190)
53mm .230 (.228 - .278)
103mm .492 (.447 - .547)

- ☒ Barometric Pressure Check

Gauge ID # 26932

- ☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	PJM G2078 SD ~~G2879~~	20170TD 7/25/19
0.08	G8149	20170TE 7/25/19
0.20	G11621	20170TC 7/24/19
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 PJM

Simulator Temperatures °C

External Digital Therm. ID#: 300505

- ☒ 34°C +-.2 Serial #: G2078
- ☒ 34°C +-.2 Serial #: G8149
- ☒ 34°C +-.2 Serial #: G11621

Calibration Adjustment Performed By PJM

- ☐ Calibration Adjustment N/A
- ☒ Calibration Adjustment Complete

Barometric Pressure Gauge 1013 ID # 28427

Simulator	Serial Number	Lot Number	Expiration
0.000	G6621	N/A	N/A
0.040	SD1018	16320	10/21/18
0.100	SD1012	17060	2/14/19
0.200	SD1011	17090	2/24/19
0.300	DR1275	16410	12/19/18
0.080 DGS	N/A	0451508DA3	10/5/17

☒ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD3962	20170TD	7/25/19
0.08	SD1013	20170TE	7/25/19
0.20	SD3933	20170TC	7/24/19
0.08 DGS	N/A	AG619605	7/14/18

Department Inspection Performed By PJM

- ☒ Barometric Pressure ID# 26932 — 1014 Gauge / 1013 Instrument

Mouth Alcohol Solution Lot # 2016-C

Acetone Stock Solution Lot # 2017-A

Simulator	Serial Number
0.00	G2879
Interferent	G8144
0.05	G2078
0.08	G8149
0.20	G11621

Attachments

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

Notes/Suggested Service:

INSTRUMENT WILL NOT PRINT TO EXTERNAL PRINTER SUGGEST SENDING TO REPAIR QA/QC OR SP

Quality Control Review 9/14/17 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**

TYNDALL AFB
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001646
07/28/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:03
Control Test	0.049	08:03
Air Blank	0.000	08:04
Control Test	0.050	08:05
Air Blank	0.000	08:05
Control Test	0.050	08:06
Air Blank	0.000	08:06
Control Test Stats		
Average	0.0497	
Std Dev	0.0006	
Rel Std Dev(%)	1.1625	

P Murphy
Operator's Signature

TYNDALL AFB
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001646
07/28/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	07:58
Control Test	0.081	07:58
Air Blank	0.000	07:59
Control Test	0.081	08:00
Air Blank	0.000	08:00
Control Test	0.081	08:01
Air Blank	0.000	08:01
Control Test Stats		
Average	0.0810	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

P Murphy
Operator's Signature

TYNDALL AFB
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001646
07/28/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:08
Control Test	0.192	08:09
Air Blank	0.000	08:10
Control Test	0.187	08:10
Air Blank	0.000	08:11
Control Test	0.187	08:12
Air Blank	0.000	08:12
Control Test Stats		
Average	0.1887	
Std Dev	0.0029	
Rel Std Dev(%)	1.5301	

P Murphy
Operator's Signature

TYNDALL AFB
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001646
07/28/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:17
Control Test	0.080	08:17
Air Blank	0.000	08:17
Control Test	0.080	08:18
Air Blank	0.000	08:18
Control Test	0.080	08:19
Air Blank	0.000	08:19
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

DGS

P Murphy
Operator's Signature

SP

9/14/17
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TYNDALL AFB
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001646
09/01/2017 11:28:02

Auto Calibration
Max Power Res Value = 41
Auto Range Res Value = 23

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 13047, 9um Io = 14222

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1080	(-0.0120)
Sample #2 =	0.0740	(0.0330)
Sample #3 =	0.0970	(0.0400)
Sample #4 =	0.0920	(0.0810)

Avg % Abs = 0.0877 (0.0513)
STD DEV = 0.0121 (0.0259)
REL STD DEV = 13.799 (50.512)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0830	(-0.0200)
Sample #2 =	0.0720	(-0.0070)
Sample #3 =	0.0890	(-0.0050)
Sample #4 =	0.1020	(-0.0110)

Avg % Abs = 0.0877 (-0.0077)
STD DEV = 0.0150 (0.0031)
REL STD DEV = 17.161 (39.848)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 13030, 9um Io = 14215

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7720	(-0.0110)
Sample #2 =	0.7890	(-0.0120)
Sample #3 =	0.7820	(0.0100)
Sample #4 =	0.7760	(0.0370)

Avg % Abs = 0.7823 (0.0117)
STD DEV = 0.0065 (0.0245)
REL STD DEV = 0.832 (210.364)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4490	(-0.0140)
Sample #2 =	1.4800	(-0.0270)
Sample #3 =	1.4700	(-0.0140)
Sample #4 =	1.4950	(-0.0250)

Avg % Abs = 1.4817 (-0.0220)
STD DEV = 0.0126 (0.0070)
REL STD DEV = 0.849 (31.818)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 13022, 9um Io = 14214

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.9000	(-0.0340)
Sample #2 =	1.8890	(-0.0080)
Sample #3 =	1.8710	(-0.0130)
Sample #4 =	1.8710	(-0.0050)

Avg % Abs = 1.8770 (-0.0087)
STD DEV = 0.0104 (0.0040)
REL STD DEV = 0.554 (46.632)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5510	(-0.0130)
Sample #2 =	3.5570	(-0.0120)
Sample #3 =	3.5570	(-0.0120)
Sample #4 =	3.5580	(-0.0320)

Avg % Abs = 3.5573 (-0.0187)
STD DEV = 0.0006 (0.0115)
REL STD DEV = 0.016 (61.859)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 13019, 9um Io = 14213

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5950	(-0.0240)
Sample #2 =	3.5970	(-0.0180)
Sample #3 =	3.5840	(0.0030)
Sample #4 =	3.6080	(-0.0060)

Avg % Abs = 3.5963 (-0.0070)
STD DEV = 0.0120 (0.0105)
REL STD DEV = 0.334 (150.509)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.7460	(-0.0130)
Sample #2 =	6.7590	(-0.0120)
Sample #3 =	6.7490	(-0.0020)
Sample #4 =	6.7470	(0.0070)

Avg % Abs = 6.7517 (-0.0023)
STD DEV = 0.0064 (0.0095)
REL STD DEV = 0.095 (407.331)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 13019, 9um Io = 14215

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.2900	(-0.0240)
Sample #2 =	5.2590	(0.0250)
Sample #3 =	5.2560	(0.0350)
Sample #4 =	5.2610	(0.0150)

Avg % Abs = 5.2587 (0.0250)
STD DEV = 0.0025 (0.0100)
REL STD DEV = 0.048 (40.000)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.7930	(0.0130)
Sample #2 =	9.7930	(0.0360)
Sample #3 =	9.7750	(0.0380)
Sample #4 =	9.7790	(0.0360)

Avg % Abs = 9.7823 (0.0367)
STD DEV = 0.0095 (0.0012)
REL STD DEV = 0.097 (3.149)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.088
Std Dev = 0.01 Rel Std Dev = 13.80
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.782
Std Dev = 0.01 Rel Std Dev = 0.83
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.877
Std Dev = 0.01 Rel Std Dev = 0.55
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.596
Std Dev = 0.01 Rel Std Dev = 0.33
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.259
Std Dev = 0.00 Rel Std Dev = 0.05
Zero Order Coef = -198.95
First Order Coef = 2599.57
Second Order Coef = 29.30
Standard Deviation = 31.925846

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<<<<< CHANNEL 2 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.088
Std Dev = 0.02 Rel Std Dev = 17.16
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.482
Std Dev = 0.01 Rel Std Dev = 0.85
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.557
Std Dev = 0.00 Rel Std Dev = 0.02
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.752
Std Dev = 0.01 Rel Std Dev = 0.10
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.782
Std Dev = 0.01 Rel Std Dev = 0.10
Zero Order Coef = -107.83
First Order Coef = 1320.35
Second Order Coef = 15.47
Standard Deviation = 17.601114

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.001	-0.0006
0.040	0.039	0.0011
0.100	0.100	-0.0005
0.200	0.200	-0.0001
0.300	0.300	0.0001

Solution Stats Quadratic Fit Chan 2

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.000	-0.0002
0.040	0.040	0.0005
0.100	0.100	-0.0005
0.200	0.200	0.0002
0.300	0.300	-0.0001

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3142.00
Sample #2 = 3158.00
Sample #3 = 3131.00
Sample #4 = 3217.00
Average Result = 3168.6667
STD DEV = 43.9811
REL STD DEV = 1.388
****
***** CHANNEL 2
Sample #1 = 3353.00
Sample #2 = 3358.00
Sample #3 = 3368.00
Sample #4 = 3399.00
Average Result = 3375.0000
STD DEV = 21.3776
REL STD DEV = 0.633
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1012
3 um H20 Adjust (mg/l*10,000) = 641
9 um H20 Adjust (mg/l*10,000) = 434
**** AUTO CAL PASS

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TYNDALL AFB
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001646
09/01/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:31
Control Test	0.049	12:32
Air Blank	0.000	12:32
Control Test	0.049	12:33
Air Blank	0.000	12:33
Control Test	0.049	12:34
Air Blank	0.000	12:34
Control Test Stats		
Average	0.0490	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

P Murphy
Operator's Signature

TYNDALL AFB
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001646
09/01/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:36
Control Test	0.080	12:37
Air Blank	0.000	12:37
Control Test	0.080	12:38
Air Blank	0.000	12:38
Control Test	0.080	12:39
Air Blank	0.000	12:39
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

P Murphy
Operator's Signature

TYNDALL AFB
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001646
09/01/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:41
Control Test	0.196	12:42
Air Blank	0.000	12:42
Control Test	0.198	12:43
Air Blank	0.000	12:43
Control Test	0.198	12:44
Air Blank	0.000	12:45
Control Test Stats		
Average	0.1973	
Std Dev	0.0012	
Rel Std Dev(%)	0.5852	

P Murphy
Operator's Signature

TYNDALL AFB
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001646
09/01/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:46
Control Test	0.080	12:46
Air Blank	0.000	12:47
Control Test	0.080	12:47
Air Blank	0.000	12:48
Control Test	0.080	12:48
Air Blank	0.000	12:48
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

DGS

P Murphy
Operator's Signature

POST CALIBRATION - ADJUST STABILITIES

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