

# INSTRUMENT PROCESSING SHEET

Agency Volusia County SO

Date In 2/22/16

Date Out 3/8/16 4/26/16

S/N 80-00154

Ship  P/U  H/D  CMI  EE

Performed By [Signature]

Quality Checks Performed By [Signature]

Flow Calibration Performed By \_\_\_\_\_

- Administration
- Annual
- Return from CMI
- Return from Enforcement
- Electronics
- Other \_\_\_\_\_

Visual Inspection:

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

- Other Equipment:
- Power cord
  - Printer Cable
  - Other Static Bag

- Breath Tube Screen
- Replace O-Rings
- Instrument Set Up Verified
- R-Value 202
- Flow Verification (L/s)

Flow Column #	_____	_____	_____
32mm	<u>155</u>	(.139 - .169)	
36mm	<u>178</u>	(.156 - .190)	
53mm	<u>254</u>	(.228 - .278)	
103mm	<u>512</u>	(.447 - .547)	

Barometric Pressure Check  
Gauge ID # 28427

Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	SD1018	201507A 7/14/17
0.08	SD1011	201502G 2/24/17
0.20	64444	201505A 5/12/17
0.08 DGS	N/A	AG6005C4 1/5/18

- 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 [Signature]

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

Barometric Pressure Gauge 1014 ID # 26932

Simulator	Serial Number	Lot Number	Expiration
0.000	DR1215	N/A	N/A
0.040	G2882	16101	2/2/18
0.100	G2078	15001	5/20/17
0.200	G2408	15104	5/27/17
0.400	G5358	15105	6/10/17
0.080 DGS	N/A	21515080A2	10/5/17

Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD1018	201507A	7/14/17
0.08	SD1011	201601F	1/26/18
0.20	64444	201505A	5/12/17
0.08 DGS	N/A	AG605301	2/22/18

Notes: Optical Bench Calibration performed to bring  
ACU-BERT closer to nominal

QC-PWS

Scott Hankland  
Quality Control Review

Department Inspection Performed By [Signature]

- Barometric Pressure ID# 28427

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

Simulator	Serial Number
0.00	SD1022
Interferent	SD1021
0.05	SD1018
0.08	SD1011
0.20	64444

Attachments

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

- 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

4/26/16  
Date

80-001154  
 Stability Checks  
 3/7/16

INTOXILYZER 8000  
 Instrument Initialization  
 10:48 03/07/2016

WOLUSTIA COUNTY SO  
 Intoxilyzer - Alcohol Analyzer  
 Model 8000 SN 80-001154  
 03/07/2016  
 Software: 8100.27

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Test	9/21/0L	Time
Air Blank	0.000	11:23
Control Test	0.205	11:23
Air Blank	0.000	11:24
Control Test	0.205	11:24
Air Blank	0.000	11:25
Control Test	0.204	11:26
Air Blank	0.000	11:26
Control Test Stats		
Average	0.2047	
Std Dev	0.0006	
Rel Std Dev(%)	0.2821	

Test	9/21/0L	Time
Air Blank	0.000	11:10
Control Test	0.083	11:11
Air Blank	0.000	11:12
Control Test	0.082	11:12
Air Blank	0.000	11:13
Control Test	0.083	11:14
Air Blank	0.000	11:14
Control Test Stats		
Average	0.0827	
Std Dev	0.0006	
Rel Std Dev(%)	0.6984	

Test	9/21/0L	Time
Air Blank	0.000	11:05
Control Test	0.053	11:06
Air Blank	0.000	11:07
Control Test	0.053	11:07
Air Blank	0.000	11:08
Control Test	0.053	11:09
Air Blank	0.000	11:09
Control Test Stats		
Average	0.0530	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Test	9/21/0L	Time
Air Blank	0.000	11:01
Control Test	0.080	11:01
Air Blank	0.000	11:02
Control Test	0.080	11:02
Air Blank	0.000	11:02
Control Test	0.080	11:03
Air Blank	0.000	11:03
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

FK

DES

Operator's Signature

Operator's Signature

Operator's Signature

Operator's Signature

80-001154  
Optical Bench Calibration  
1/26/16

200  
BK

Sol Value = 0.040 g/210L \*\*\*  
Fit Value = 0.1905 mg/l \*\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Io = 12503, Sum Io = 14026  
Sol Value = 0.200 g/210L \*\*\*  
Fit Value = 0.9524 mg/l \*\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Io = 12479, Sum Io = 14013

UOLUSTIA COUNTY SO  
Intoxilizer - Alcohol Analyzer  
Model 8000  
04/26/2016  
SN 80-001154  
08:40:03  
Auto Calibration  
Max Power Res Value = 28  
Auto Range Res Value = 11  
Sol Value = 0.000 g/210L \*\*\*  
Fit Value = 0.0000 mg/l \*\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Io = 12566, Sum Io = 14061

Sol Value = 0.200 g/210L \*\*\*  
Fit Value = 0.9524 mg/l \*\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Io = 12479, Sum Io = 14013  
Sol Value = 0.1905 mg/l \*\*\*\*  
Fit Value = 0.040 g/210L \*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Io = 12479, Sum Io = 14013

Sol Value = 0.040 g/210L \*\*\*  
Fit Value = 0.1905 mg/l \*\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Io = 12503, Sum Io = 14026  
Sol Value = 0.200 g/210L \*\*\*  
Fit Value = 0.9524 mg/l \*\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Io = 12479, Sum Io = 14013

Sol Value = 0.100 g/210L \*\*\*  
Fit Value = 0.4762 mg/l \*\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Io = 12490, Sum Io = 14017  
Sol Value = 0.079 g/210L \*\*\*  
Fit Value = 10.047 mg/l \*\*\*\*

Sol Value = 0.100 g/210L \*\*\*  
Fit Value = 0.4762 mg/l \*\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Io = 12490, Sum Io = 14017  
Sol Value = 0.079 g/210L \*\*\*  
Fit Value = 10.047 mg/l \*\*\*\*

Sol Value = 0.100 g/210L \*\*\*  
Fit Value = 0.4762 mg/l \*\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Io = 12490, Sum Io = 14017  
Sol Value = 0.079 g/210L \*\*\*  
Fit Value = 10.047 mg/l \*\*\*\*

Sol Value = 0.100 g/210L \*\*\*  
Fit Value = 0.4762 mg/l \*\*\*\*  
Samples Taken = 4, Discarded = 1  
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Fit Value = 10.047 mg/l \*\*\*\*

Sol Value = 0.100 g/210L \*\*\*  
Fit Value = 0.4762 mg/l \*\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Io = 12490, Sum Io = 14017  
Sol Value = 0.079 g/210L \*\*\*  
Fit Value = 10.047 mg/l \*\*\*\*

Sol Value = 0.100 g/210L \*\*\*  
Fit Value = 0.4762 mg/l \*\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Io = 12490, Sum Io = 14017  
Sol Value = 0.079 g/210L \*\*\*  
Fit Value = 10.047 mg/l \*\*\*\*

Sol Value = 0.100 g/210L \*\*\*  
Fit Value = 0.4762 mg/l \*\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Io = 12490, Sum Io = 14017  
Sol Value = 0.079 g/210L \*\*\*  
Fit Value = 10.047 mg/l \*\*\*\*

Sol Value = 0.100 g/210L \*\*\*  
Fit Value = 0.4762 mg/l \*\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Io = 12490, Sum Io = 14017  
Sol Value = 0.079 g/210L \*\*\*  
Fit Value = 10.047 mg/l \*\*\*\*

Sol Value = 0.100 g/210L \*\*\*  
Fit Value = 0.4762 mg/l \*\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Io = 12490, Sum Io = 14017  
Sol Value = 0.079 g/210L \*\*\*  
Fit Value = 10.047 mg/l \*\*\*\*

Sol Value = 0.100 g/210L \*\*\*  
Fit Value = 0.4762 mg/l \*\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Io = 12490, Sum Io = 14017  
Sol Value = 0.079 g/210L \*\*\*  
Fit Value = 10.047 mg/l \*\*\*\*

Solution Stats Quadratic Fit Chan 2  
Act Fit Residual  
g/210L g/210L g/210L  
0.000 0.001 -0.0006  
0.040 0.039 0.0013  
0.100 0.101 -0.0009  
0.200 0.200 0.0002  
0.400 0.400 0.0000

Sol Value = 0.080 g/210L \*\*\*  
Fit Value = 0.3810 mg/l \*\*\*\*  
Samples Taken = 4, Discarded = 1  
\*\*\*\* CHANNEL 1  
Sample #1 = 3204.00  
Sample #2 = 3204.00  
Sample #3 = 3214.00  
Sample #4 = 3276.00  
Average Result = 3264.6667  
STD DEV = 55.8689  
REL STD DEV = 1.711

Sol Value = 0.080 g/210L \*\*\*  
Fit Value = 0.3810 mg/l \*\*\*\*  
Samples Taken = 4, Discarded = 1  
\*\*\*\* CHANNEL 2  
Sample #1 = 3411.00  
Sample #2 = 3430.00  
Sample #3 = 3471.00  
Sample #4 = 3500.00  
Average Result = 3467.0000  
STD DEV = 35.1710  
REL STD DEV = 1.014

Dry Gas H2O Adjust Results \*\*\*\*\*  
Barometric Pressure = 10.14  
3 um H2O Adjust (mg/l\*10,000) = 545  
9 um H2O Adjust (mg/l\*10,000) = 342  
\*\*\*\* AUTO CAL PASS

Solution Stats Quadratic Fit Chan 1  
Act Fit Residual  
g/210L g/210L g/210L  
0.000 0.001 -0.0007  
0.040 0.039 0.0013  
0.100 0.101 -0.0006  
0.200 0.200 -0.0000  
0.400 0.400 0.0000

Sol Value = 0.0000 mg/l or 0.000 g/210L  
% Abs = 0.086  
Std Dev = 0.02 Rel Std Dev = 22.28  
Sol Val = 0.1905 mg/l or 0.040 g/210L  
% Abs = 1.507  
Std Dev = 0.02 Rel Std Dev = 1.06  
Sol Val = 0.4762 mg/l or 0.100 g/210L  
% Abs = 3.736  
Std Dev = 0.02 Rel Std Dev = 0.44  
Sol Val = 0.9524 mg/l or 0.200 g/210L  
% Abs = 7.069  
Std Dev = 0.02 Rel Std Dev = 0.30  
Sol Val = 1.9048 mg/l or 0.400 g/210L  
% Abs = 13.209  
Std Dev = 0.05 Rel Std Dev = 0.40  
Zero Order Coef = -78.07  
First Order Coef = 1251.73  
Second Order Coef = 14.85  
Standard Deviation = 41.056644

Sol Value = 0.400 g/210L \*\*\*  
Fit Value = 1.9048 mg/l \*\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Io = 12469, Sum Io = 14005  
Sol Value = 0.400 g/210L \*\*\*  
Fit Value = 1.9048 mg/l \*\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Io = 12469, Sum Io = 14005

Sol Value = 0.400 g/210L \*\*\*  
Fit Value = 1.9048 mg/l \*\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Io = 12469, Sum Io = 14005  
Sol Value = 0.400 g/210L \*\*\*  
Fit Value = 1.9048 mg/l \*\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Io = 12469, Sum Io = 14005

Sol Value = 0.400 g/210L \*\*\*  
Fit Value = 1.9048 mg/l \*\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Io = 12469, Sum Io = 14005  
Sol Value = 0.400 g/210L \*\*\*  
Fit Value = 1.9048 mg/l \*\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Io = 12469, Sum Io = 14005

80-001154

Post Op. Bench Cal  
Stable. 1.1 by checks  
4/26/16

Y3K

JULUSTIA COUNTY SO  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-001154  
04/26/2016  
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:35
Control Test	0.080	09:36
Air Blank	0.000	09:36
Control Test	0.079	09:36
Air Blank	0.000	09:37
Control Test	0.079	09:37
Air Blank	0.000	09:38
Control Test Stats		
Average	0.0793	
Std Dev	0.0006	
Rel Std Dev(%)	0.7277	

DGS

Operator's Signature

JULUSTIA COUNTY SO  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-001154  
04/26/2016  
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:38
Control Test	0.051	09:39
Air Blank	0.000	09:40
Control Test	0.049	09:40
Air Blank	0.000	09:41
Control Test	0.050	09:42
Air Blank	0.000	09:42
Control Test Stats		
Average	0.0500	
Std Dev	0.0010	
Rel Std Dev(%)	2.0000	

Operator's Signature

JULUSTIA COUNTY SO  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-001154  
04/26/2016  
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:43
Control Test	0.080	09:43
Air Blank	0.000	09:44
Control Test	0.080	09:44
Air Blank	0.000	09:45
Control Test	0.080	09:45
Air Blank	0.000	09:46
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

JULUSTIA COUNTY SO  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-001154  
04/26/2016  
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:47
Control Test	0.201	09:47
Air Blank	0.000	09:48
Control Test	0.200	09:49
Air Blank	0.000	09:49
Control Test	0.199	09:50
Air Blank	0.000	09:51
Control Test Stats		
Average	0.2000	
Std Dev	0.0010	
Rel Std Dev(%)	0.5000	

PDS

Operator's Signature