Florida Department of Law Enforcement
Alcohol Testing Program

REGISTRATION OF EVIDENTIARY BREATH TEST INSTRUMENT

MANUFACTURER:	**CMI, Inc.**
MODEL:	**Intoxilyzer 8000**
SERIAL NUMBER:	**80-006924**
OWNER:	**Broward County Sheriff's Office**
DATE OF REGISTRATION:	**December 12th, 2017**

The above instrument is hereby approved for evidentiary breath alcohol testing in the State of Florida pursuant to Chapter 11D-8, Florida Administrative Code. This instrument and related records are subject to inspection at any time by the Florida Department of Law Enforcement.

Brett Kirkland

Authorized Representative
Alcohol Testing Program
Florida Department of Law Enforcement

FDLE
Florida Department of Law Enforcement

INSTRUMENT PROCESSING SHEET

Agency Broward County Sheriff's Office S/N 80-006924

Date In 11/27/2017 DI Completion Date 11/28/2017 ☑Ship ☐P/U ☐H/D ☐CMI ☐EE

Intake Performed By DEll

☑ Annual
☑ Registration
☑ Return from CMI / EE

Visual Inspection:
☑ Case ☑ Handle
☑ Keyboard ☑ Dry Gas Shelf
☑ Feet ☑ Breath Tube
☑ Ports ☑ Screws Tight

Other Equipment/ Accessories:
☐ Power cord ☐ Printer Cable
☑ Static Bag ☐ 12V DC Cable

Notes: _____

Final Release Date

FDLE

DEC 08 2017

Alcohol Testing Program

Quality Checks Performed By DEll

☑ Breath Tube Screen
☑ Replace External O-Rings
☑ Instrument Set Up Verified
☑ R-Value 164
☑ Flow Verification (L/s)
Flow Column # ATP101
32 mm .164 (.139 - .169)
36 mm .179 (.156 - .190)
53 mm .253 (.228 - .278)
103 mm .519 (.447 - .547)
☑ Barometric Pressure Check
Gauge ID # 28663
☑ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	SD3967	201707D
		07/25/2019
0.080	SD3968	201707E
		07/25/2019
0.200	SD3969	201707C
		07/24/2019
0.080 DGS	N/A	AG626604
		09/22/2018

Flow Calibration Performed By _____

Flow Column # _____
☐ 5L/min – 17mm
☐ 15L/min – 53mm
☐ 30L/min – 103mm
☐ R-Value _____
☐ Post Calibration Verification (L/s)
Flow Column # _____
32 mm _____ (.139 - .169)
36 mm _____ (.156 - .190)
53 mm _____ (.228 - .278)
103 mm _____ (.447 - .547)

Maintenance Performed By _____

☐ Battery Replacement
☐ Dry Gas Regulator Replacement
☐ Breath Tube Replacement
☐ Other _____

Temperature Checks Performed By DEll

☑ Lab Temp °C 22.01c
External Digital Therm. ID#: 300918
☑ 34°C +-.2 Serial #: SD3967
☑ 34°C +-.2 Serial #: SD3968
☑ 34°C +-.2 Serial #: SD3969

Calibration Adjustment Performed By _____

Barometric Pressure Gauge _____ ID # _____

Simulator	Serial Number	Lot Number	Expiration
0.000		N/A	N/A
0.040			
0.100			
0.200			
0.300			
0.080 DGS	N/A		

☐ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.050			
0.080			
0.200			
0.080 DGS	N/A		

Department Inspection Performed By DEll

Barometric Pressure ID# 68639
Gauge 1017 Instrument 1018
Mouth Alcohol Solution Lot # 2016-C
Acetone Stock Solution Lot # 2016-B

Simulator	Serial Number
0.000	SD3965
Interferent	SD3966
0.050	SD3967
0.080	SD3968
0.200	SD3969

Attachments

☑ Form 41
☑ Stability Checks
☐ Calibration Adjustment
☐ Post-Stability Checks
☐ Flow Calibration
☐ Form 40
☑ Other Form 47

Notes/Suggested Service: Emailed ☑ APPROVED

☑ **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**

DGM 12/6/17 Tech Review / Date

TJ Graham 12/8/17 Admin Review / Date

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: BROWARD COUNTY SO
Time of Inspection: 07:46
Date of Inspection: 11/28/2017
Serial Number: 80-006924
Software: 8100.27

VBC

Check or Test	YES	NO	Check or Test	YES	NO
Diagnostic Check (Pre-Inspection): OK	Yes		Date and/or Time Adjusted		No
Minimum Sample Volume Check: OK	Yes		Barometric Pressure Sensor Check: OK	Yes	
Alcohol Free Subject Test: 0.000	Yes		Mouth Alcohol Test: Slope Not Met	Yes	
Interferent Detect Test: Interferent Detect	Yes		Diagnostic Check (Post-Inspection): OK	Yes	

Alcohol Free Test (g/210L)	0.05g/210L Test (g/210L) Lot#:201707D Exp: 07/25/2019	0.08g/210L Test (g/210L) Lot#:201707E Exp: 07/25/2019	0.20g/210L Test (g/210L) Lot#:201707C Exp: 07/24/2019	0.08 g/210L Dry Gas Std Test (g/210L) Lot#:AG626604 Exp: 09/22/2018
0.000	0.048	0.080	0.197	0.079
0.000	0.048	0.080	0.199	0.079
0.000	0.048	0.080	0.199	0.079
0.000	0.049	0.080	0.199	0.078
0.000	0.048	0.080	0.199	0.079
0.000	0.050	0.081	0.199	0.078
0.000	0.049	0.081	0.200	0.078
0.000	0.049	0.080	0.199	0.079
0.000	0.049	0.080	0.200	0.079
0.000	0.049	0.080	0.199	0.078

Standard Deviations	0.0006	0.0004	0.0008	0.0005

PDM

Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0005 Number of Simulators Used: 5

Remarks:

The above instrument complies (X) does not comply ( ) with Chapter 11D-8, FAC.

I certify that I performed this inspection in accordance with the provisions of Chapter 11D-8, FAC.

Signature and Printed Name: DAVID E REYES-RIVERA

11/28/2017
Date

12/8/17
JD

FDLE/ATP Form 41 –Revised August 2005

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Stabilities	80-006924	Broward County Sheriff's Office	11/28/2017	

0.05g/210L	0.08g/210L	0.20g/210L	DGS 0.08g/210L
SN: SD3967 Temp: 34.07c	SN: SD3968 Temp: 34.01c	SN: SD3969 Temp:34.06c	Lot AG626604
0.047 to 0.053 ☑	0.077 to 0.083 ☑	0.194 to 0.206 ☑	0.077 to 0.083 ☑

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006924
11/28/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	05:53
Control Test	0.047	05:53
Air Blank	0.000	05:54
Control Test	0.047	05:54
Air Blank	0.000	05:55
Control Test	0.048	05:56
Air Blank	0.000	05:56
Control Test Stats		
Average	0.0473	
Std Dev	0.0006	
Rel Std Dev(%)	1.2198	

Operator's Signature

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006924
11/28/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	05:57
Control Test	0.078	05:58
Air Blank	0.000	05:58
Control Test	0.078	05:59
Air Blank	0.000	06:00
Control Test	0.079	06:00
Air Blank	0.000	06:01
Control Test Stats		
Average	0.0783	
Std Dev	0.0006	
Rel Std Dev(%)	0.7370	

Operator's Signature

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006924
11/28/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	06:02
Control Test	0.196	06:03
Air Blank	0.000	06:03
Control Test	0.196	06:04
Air Blank	0.000	06:05
Control Test	0.196	06:05
Air Blank	0.000	06:06
Control Test Stats		
Average	0.1960	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006924
11/28/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	06:07
Control Test	0.079	06:07
Air Blank	0.000	06:08
Control Test	0.079	06:08
Air Blank	0.000	06:09
Control Test	0.079	06:09
Air Blank	0.000	06:10
Control Test Stats		
Average	0.0790	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

Return Material Authorization Form

Ship to: ☒ CMI, Inc.

☐ Enforcement Electronics

Shipment to repair facility authorized by: Brett Kirkland on 8/31/2017

Items Returned: Instrument ■ Supplies ☐ Other ☐ Describe: _____

Instrument Model: Intoxilyzer 8000 Serial Number: 80-006924

Bill To Address:	Ship to Address:
	FDLE
	ATP Attn: David Reyes-Rivera
	4700 Terminal Drive Suite 1
	Fort Myers, FL 33907

Reason for Return:

New instrument did not pass stability tests, tried to do an optical bench calibration and the 0.040 solution failed, I had to redo that solution. After the OBC the instrument again failed the post calibration tests. Instrument is not registered and has not been sent to the field This is a warranty repair.

Please choose one of the following options:

☐ 1. I _____, authorize all repairs.

☐ 2. I _____, authorize repairs up to $_____.

☐ 3. I require an estimate **BEFORE** any repairs will be authorized and/ or conducted.

Please contact: Name: _____

Phone #: _____ Email: _____

ATP Contact Name: _____ ATP Email: _____

FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Broward County Sheriff's Office S/N 80-006924

Date In 8/30/2017 Date Out 8/31/2017 ☑Ship ☐P/U ☐H/D ☑CMI ☐EE

RECEIVED DEC 08 2017 Alcohol Testing Program FDLE

Intake Performed By ARE

- ☑ Registration
- ☑ Annual
- ☐ Return from CMI
- ☐ Return from Enforcement Electronics
- ☐ Other

Visual Inspection:

- ✓ Case
- ✓ Dry Gas Holder
- ✓ Keyboard/Plug
- ✓ Screws tight
- ✓ Handle
- ✓ Feet
- ✓ Back/Plugs
- ✓ Breath Hose

Other Equipment:

- ☑ Power cord
- ☐ Printer Cable
- ☑ Other Anti Static Bag

Notes: New Instrument

Quality Checks Performed By DEE

- ☑ Lab Temp °C 21.36
- ☑ Breath Tube Screen
- ☑ Replace External O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 159
- ☑ Flow Verification (L/s)

Flow Column # 28663

32mm .164 (.139 - .169)
36mm .179 (.156 - .190)
53mm .250 (.228 - .278)
103mm .515 (.447 - .547)

- ☑ Barometric Pressure Check

Gauge ID # 28663

- ☑ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	SD3967	201603D
		03/08/2018
0.08	SD3963	201611B
		11/15/2018
0.20	SD3969	201604C
		04/05/2018
0.08 DGS	N/A	AG626604
		09/22/2018

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 ARE

Simulator Temperatures °C

External Digital Therm. ID#: 300918

- ☑ 34°C +-.2 Serial #: SD3967
- ☑ 34°C +-.2 Serial #: SD3963
- ☑ 34°C +-.2 Serial #: SD3969

Calibration Adjustment Performed By ARE

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

Barometric Pressure Gauge 1015 ID # 68639

Simulator	Serial Number	Lot Number	Expiration
0.000	2235	N/A	N/A
0.040	2236	16320	10/21/2018
0.100	2237	17060	02/14/2019
0.200	2238	17090	02/24/2019
0.300	2239	16410	12/19/2018
0.080 DGS	N/A	34416080A2	02/05/2019

- ☑ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD3967	201603D	03/08/2018
0.08	SD3963	201611B	11/15/2018
0.20	SD3969	201604C	04/05/2018
0.08 DGS	N/A	AG626604	09/22/2018

Department Inspection Performed By

- ☐ Barometric Pressure Gauge ID# Instrument

Mouth Alcohol Solution Lot #

Acetone Stock Solution Lot #

Simulator	Serial Number
0.00	
Interferent	
0.05	
0.08	
0.20	

Attachments

- ☐ Form 41
- ☑ Pre-Stability Tests
- ☐ Flow Calibration
- ☑ Calibration Adjustment
- ☑ Post-Stability Tests
- ☑ Other FDLE/ATP 51

Notes/Suggested Service:

Calibrated to bring the values closer to nominal.
0.040 calibration solution failed!
Post calibration tests-failed!

JJ 10/17/17

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**

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Stabilities	80-006924	Broward County Sheriff's Office	8/31/2017	

0.05g/210L	0.08g/210L	0.20g/210L	DGS 0.08g/210L
SN: SD3967 Temp: 34.07	SN: SD3963 Temp: 34.07c	SN: SD3969 Temp:34.08c	Lot AG626604
0.047 to 0.053 ☑	0.077 to 0.083 ☑	0.194 to 0.206 ☒	0.077 to 0.083 ☒

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006924
08/31/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	06:12
Control Test	0.047	06:13
Air Blank	0.000	06:13
Control Test	0.047	06:14
Air Blank	0.000	06:15
Control Test	0.048	06:15
Air Blank	0.000	06:16
Control Test Stats		
Average	0.0473	
Std Dev	0.0006	
Rel Std Dev(%)	1.2198	

Operator's Signature

10/2/17

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006924
08/31/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	06:17
Control Test	0.077	06:18
Air Blank	0.000	06:19
Control Test	0.078	06:19
Air Blank	0.000	06:20
Control Test	0.077	06:21
Air Blank	0.000	06:21
Control Test Stats		
Average	0.0773	
Std Dev	0.0006	
Rel Std Dev(%)	0.7466	

Operator's Signature

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006924
08/31/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	06:22
Control Test	0.193	06:23
Air Blank	0.000	06:24
Control Test	0.195	06:24
Air Blank	0.000	06:25
Control Test	0.196	06:26
Air Blank	0.000	06:26
Control Test Stats		
Average	0.1947	
Std Dev	0.0015	
Rel Std Dev(%)	0.7847	

Operator's Signature

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006924
08/31/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	06:28
Control Test	0.082	06:29
Air Blank	0.000	06:29
Control Test	0.082	06:29
Air Blank	0.000	06:30
Control Test	0.082	06:30
Air Blank	0.000	06:31
Control Test Stats		
Average	0.0820	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006924
08/31/2017 07:21:41

Auto Calibration
Max Power Res Value = 82
Auto Range Res Value = 55

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12476, 9um Io = 13169

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0800	(0.0000)
Sample #2 =	0.0750	(0.0150)
Sample #3 =	0.0250	(0.0550)
Sample #4 =	0.0870	(0.0430)

Avg % Abs = 0.0623 (0.0377)
STD DEV = 0.0329 (0.0205)
REL STD DEV = 52.754 (54.495)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0980	(-0.0050)
Sample #2 =	0.1540	(-0.0260)
Sample #3 =	0.1000	(-0.0020)
Sample #4 =	0.1580	(-0.0220)

Avg % Abs = 0.1373 (-0.0167)
STD DEV = 0.0324 (0.0129)
REL STD DEV = 23.587 (77.149)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12466, 9um Io = 13168

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7450	(-0.0160)
Sample #2 =	0.7310	(0.0120)
Sample #3 =	0.8050	(-0.0030)
Sample #4 =	0.7650	(0.0290)

Avg % Abs = 0.7670 (0.0127)
STD DEV = 0.0370 (0.0160)
REL STD DEV = 4.829 (126.398)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4330	(-0.0110)
Sample #2 =	1.4360	(-0.0160)
Sample #3 =	1.4850	(-0.0150)
Sample #4 =	1.4400	(0.0200)

Avg % Abs = 1.4537 (-0.0037)
STD DEV = 0.0272 (0.0205)
REL STD DEV = 1.872 (559.146)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12463, 9um Io = 13168

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7980	(-0.0120)
Sample #2 =	0.7880	(0.0000)
Sample #3 =	0.8160	(-0.0140)
Sample #4 =	0.8050	(0.0050)

Avg % Abs = 0.8030 (-0.0030)
STD DEV = 0.0141 (0.0098)
REL STD DEV = 1.757 (328.295)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4880	(-0.0110)
Sample #2 =	1.4740	(0.0060)
Sample #3 =	1.5130	(-0.0250)
Sample #4 =	1.4800	(0.0160)

Avg % Abs = 1.4890 (-0.0010)
STD DEV = 0.0210 (0.0214)
REL STD DEV = 1.410 (2137.756)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12459, 9um Io = 13163

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8390	(0.0040)
Sample #2 =	1.9070	(-0.0160)
Sample #3 =	1.9070	(-0.0050)
Sample #4 =	1.8640	(0.0320)

Avg % Abs = 1.8927 (0.0037)
STD DEV = 0.0248 (0.0251)
REL STD DEV = 1.312 (685.806)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4960	(-0.0280)
Sample #2 =	3.4770	(-0.0110)
Sample #3 =	3.5070	(-0.0340)
Sample #4 =	3.4820	(0.0020)

Avg % Abs = 3.4887 (-0.0143)
STD DEV = 0.0161 (0.0182)
REL STD DEV = 0.461 (127.186)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12455, 9um Io = 13165

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5720	(-0.0080)
Sample #2 =	3.5900	(-0.0100)
Sample #3 =	3.5360	(0.0300)
Sample #4 =	3.5750	(0.0210)

Avg % Abs = 3.5670 (0.0137)
STD DEV = 0.0279 (0.0210)
REL STD DEV = 0.781 (153.542)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.5820	(-0.0040)
Sample #2 =	6.5770	(0.0250)
Sample #3 =	6.5540	(0.0390)
Sample #4 =	6.5880	(0.0370)

Avg % Abs = 6.5730 (0.0337)
STD DEV = 0.0173 (0.0076)
REL STD DEV = 0.264 (22.491)

Optical Calibration
SN: 80-006924
Agency: Broward County SO
Date: 8/31/2017
Quadratic Fit: +/-0.002g/210L
By:

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12455, 9um Io = 13162

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.2450	(-0.0090)
Sample #2 =	5.2890	(0.0230)
Sample #3 =	5.3040	(0.0190)
Sample #4 =	5.2920	(0.0310)

Avg % Abs = 5.2950 (0.0243)
STD DEV = 0.0079 (0.0061)
REL STD DEV = 0.150 (25.110)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.5670	(-0.0250)
Sample #2 =	9.5800	(0.0020)
Sample #3 =	9.6170	(0.0230)
Sample #4 =	9.6100	(0.0130)

Avg % Abs = 9.6023 (0.0127)
STD DEV = 0.0197 (0.0105)
REL STD DEV = 0.205 (82.926)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.062
Std Dev = 0.03 Rel Std Dev = 52.75
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.803
Std Dev = 0.01 Rel Std Dev = 1.76
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.893
Std Dev = 0.02 Rel Std Dev = 1.31
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.567
Std Dev = 0.03 Rel Std Dev = 0.78
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.295
Std Dev = 0.01 Rel Std Dev = 0.15
Zero Order Coef = -197.39
First Order Coef = 2617.36
Second Order Coef = 23.32
Standard Deviation = 63.553165

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.137
Std Dev = 0.03 Rel Std Dev = 23.59
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.489
Std Dev = 0.02 Rel Std Dev = 1.41
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.489
Std Dev = 0.02 Rel Std Dev = 0.46
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.573
Std Dev = 0.02 Rel Std Dev = 0.26
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.602
Std Dev = 0.02 Rel Std Dev = 0.20
Zero Order Coef = -201.23
First Order Coef = 1392.37
Second Order Coef = 12.26
Standard Deviation = 31.950571

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	-0.001	0.0007
0.040	0.040	-0.0003
0.100	0.102	-0.0016
0.200	0.198	0.0019
0.300	0.301	-0.0006

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	0.0001
0.100	0.101	-0.0009
0.200	0.199	0.0009
0.300	0.300	-0.0003

```
Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l  %%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 =  3211.00
Sample #2 =  3187.00
Sample #3 =  3169.00
Sample #4 =  3080.00
Average Result = 3145.3333
STD DEV = 57.2916
REL STD DEV = 1.821
**********
***** CHANNEL 2
Sample #1 =  3398.00
Sample #2 =  3393.00
Sample #3 =  3408.00
Sample #4 =  3348.00
Average Result = 3383.0000
STD DEV = 31.2250
REL STD DEV = 0.923
**********
Dry Gas H20 Adjust Results **********
  Barometric Pressure = 1015
  3 um H20 Adjust (mg/l*10,000) = 664
  9 um H20 Adjust (mg/l*10,000) = 426
**** AUTO CAL PASS
```

Optical Calibration Continued
SN: 80-006924
Agency: Broward County SO
Date: 8/31/2017
Quadratic Fit: +/-0.002g/210L
By:

Auto calibration indicated failed and requested to re-run one of the solutions.

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Post Stabilities	80-006924	Broward County Sheriff's Office	8/31/2017	

0.05g/210L	0.08g/210L	0.20g/210L	DGS 0.08g/210L
SN: SD3967 Temp: 34.07	SN: SD3963 Temp: 34.07	SN: SD3969 Temp: 34.08	AG626604
0.047 to 0.053 ☑	0.077 to 0.083 ☒	0.194 to 0.206 ☑	0.077 to 0.083 ☒

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006924
08/31/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:24
Control Test	0.050	08:24
Air Blank	0.000	08:25
Control Test	0.051	08:25
Air Blank	0.000	08:26
Control Test	0.050	08:27
Air Blank	0.000	08:27
Control Test Stats		
Average	0.0503	
Std Dev	0.0006	
Rel Std Dev(%)	1.1471	

Operator's Signature

10/17/17

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006924
08/31/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:28
Control Test	0.082	08:29
Air Blank	0.000	08:29
Control Test	0.082	08:30
Air Blank	0.000	08:31
Control Test	0.084	08:31
Air Blank	0.000	08:32
Control Test Stats		
Average	0.0827	
Std Dev	0.0012	
Rel Std Dev(%)	1.3968	

Operator's Signature

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006924
08/31/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:38
Control Test	0.201	08:38
Air Blank	0.000	08:39
Control Test	0.200	08:40
Air Blank	0.000	08:40
Control Test	0.201	08:41
Air Blank	0.000	08:41
Control Test Stats		
Average	0.2007	
Std Dev	0.0006	
Rel Std Dev(%)	0.2877	

Operator's Signature

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006924
08/31/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:44
Control Test	0.079	08:44
Air Blank	0.000	08:45
Control Test	0.079	08:45
Air Blank	0.000	08:46
Control Test	0.079	08:46
Air Blank	0.000	08:47
Control Test Stats		
Average	0.0790	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Post Stabilities 2nd Test	80-006924	Broward County Sheriff's Office	8/31/2017	

0.05g/210L	0.08g/210L	0.20g/210L	DGS 0.08g/210L
0.047 to 0.053 ☐	0.077 to 0.083 ☒	0.194 to 0.206 ☐	0.077 to 0.083 ☐
X	BROWARD COUNTY SO Intoxilyzer - Alcohol Analyzer Model 8000 SN 80-006924 08/31/2017 Software: 8100.27 Test g/210L Time --- Air Blank 0.000 08:33 Control Test 0.084 08:34 Air Blank 0.000 08:34 Control Test 0.082 08:35 Air Blank 0.000 08:36 Control Test 0.083 08:36 Air Blank 0.000 08:37 Control Test Stats Average 0.0830 Std Dev 0.0010 Rel Std Dev(%) 1.2048 Operator's Signature	X	X

10/17/17