FDLE
Florida Department of Law Enforcement

INSTRUMENT PROCESSING SHEET

Agency Broward CSO S/N 80-007373

Date In 11/02/2023 DI Completion Date 11/08/2023 ■Ship ☐P/U ☐H/D ☐CMI ☐EE

Intake By TDG

■ 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:

Quality Checks By TDG Date 11/08/2023

■ Breath Tube Screen
■ Replace External O-Rings
■ Instrument Set Up Verified
■ R-Value 233
■ Flow Verification (L/s)
Flow Column # ATP104
32 mm 0.160 (.139 - .169)
36 mm 0.175 (.156 - .190)
53 mm 0.253 (.228 - .278)
103 mm 0.519 (.447 - .547)
■ Barometric Pressure Check
Gauge ID # 26932
■ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	MP5094	202303K
		03/29/2025
0.080	MP5095	202303L
		03/29/2025
0.200	MP5096	202304C
		04/05/2025
0.080 DGS	N/A	AG223802
		08/26/2024

Flow Calibration By Date

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 By TDG

☐ Battery Replacement
☐ Dry Gas Regulator Replacement
☐ Breath Tube Replacement
■ Other Replaced the internal printer paper on 11/8 after Stability Checks

Calibration Adjustment By

Barometric Pressure Gauge ID #

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

Department Inspection By TDG

Barometric Pressure ID# 26932
Gauge 1018 Instrument 1018
Mouth Alcohol Solution Lot # 2023-A
Acetone Stock Solution Lot # 2022-B

Simulator	Serial Number
0.000	MP5092
Interferent	MP5093
0.050	MP5094
0.080	MP5095
0.200	MP5096

Attachments

■ Form 41
■ Stability Checks
■ Calibration Certificate
☐ Calibration Adjustment
☐ Post-Stability Checks
☐ Flow Calibration
☐ Form 40
☐ Other

Notes/Suggested Service:

■ **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**

Benjamin Siddoway — Digitally signed by Benjamin Siddoway Date: 2023.11.13 09:20:00 -05'00'
Tech Review / Date

Phil Nicodemo — Digitally signed by Phil Nicodemo Date: 2023.11.15 11:21:27 -05'00'
Admin Review / Date

Stability Checks

0.05g/210L

0.047 to 0.053 ✓

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007373
11/08/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:21
Control Test	0.049	10:22
Air Blank	0.000	10:22
Control Test	0.049	10:23
Air Blank	0.000	10:23
Control Test	0.048	10:24
Air Blank	0.000	10:25

Control Test Stats

Average	0.0487
Std Dev	0.0006
Rel Std Dev(%)	1.1863

Operator's Signature

0.08g/210L

0.077 to 0.083 ✓

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007373
11/08/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:28
Control Test	0.079	10:29
Air Blank	0.000	10:29
Control Test	0.079	10:30
Air Blank	0.000	10:30
Control Test	0.079	10:31
Air Blank	0.000	10:32

Control Test Stats

Average	0.0790
Std Dev	0.0000
Rel Std Dev(%)	0.0000

Operator's Signature

0.20g/210L

0.194 to 0.206 ✓

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007373
11/08/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:35
Control Test	0.199	10:35
Air Blank	0.000	10:36
Control Test	0.199	10:37
Air Blank	0.000	10:37
Control Test	0.199	10:38
Air Blank	0.000	10:38

Control Test Stats

Average	0.1990
Std Dev	0.0000
Rel Std Dev(%)	0.0000

Operator's Signature

DGS 0.08g/210L

0.077 to 0.083 ✓ *≤0.003 of Wet* ✓

DGS

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007373
11/08/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:03
Control Test	0.081	10:03
Air Blank	0.000	10:03
Control Test	0.081	10:04
Air Blank	0.000	10:04
Control Test	0.081	10:05
Air Blank	0.000	10:05

Control Test Stats

Average	0.0810
Std Dev	0.0000
Rel Std Dev(%)	0.0000

Operator's Signature

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: BROWARD COUNTY SO
Time of Inspection: 13:04
Date of Inspection: 11/08/2023
Serial Number: 80-007373
Software: 8100.27

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#:202303K Exp: 03/29/2025	0.08g/210L Test (g/210L) Lot#:202303L Exp: 03/29/2025	0.20g/210L Test (g/210L) Lot#:202304C Exp: 04/05/2025	0.08 g/210L Dry Gas Std Test (g/210L) Lot#:AG223802 Exp: 08/26/2024
0.000	0.048	0.079	0.199	0.081
0.000	0.049	0.078	0.199	0.081
0.000	0.049	0.079	0.199	0.081
0.000	0.049	0.079	0.199	0.081
0.000	0.049	0.079	0.199	0.080
0.000	0.049	0.079	0.199	0.081
0.000	0.048	0.079	0.199	0.081
0.000	0.049	0.079	0.199	0.081
0.000	0.049	0.079	0.199	0.081
0.000	0.049	0.079	0.199	0.081

Standard Deviations	0.0004	0.0003	0.0000	0.0003

Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0002 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.

Taylor Gutschow — TAYLOR D GUTSCHOW
Signature and Printed Name

11/08/2023
Date

FDLE/ATP Form 41 –Revised August 2005

Calibration Certificate

Florida Department of Law Enforcement
Alcohol Testing Program
4700 Terminal Drive, Suite 1
Ft. Myers, FL 33907

This is to certify the calibration of Intoxilyzer 8000 serial number 80-007373 , manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-007373
Owning Agency:	BROWARD COUNTY SO
Calibration Date:	11/08/2023
Calibration Time:	13:04

	UNCERTAINTY* ±
0.050 g/ 210 L	0.004
0.080 g/ 210 L	0.004
0.200 g/ 210 L	0.007
0.080 g/ 210 L Dry Gas Control	0.005

All results are reported in g/ 210 L.
Bias is limited by calibration acceptance criteria. All calibration results must be within ± 0.005 or 5%, whichever is greater, of the target alcohol concentration.
*Uncertainty is based on fleet-wide data and is expressed to a 99.73% level of confidence (k=3).
The instrument results before and after any adjustment are found in the associated pre and post stability checks.

TRACEABILITY INFORMATION
This instrument was calibrated using solutions prepared by Alcohol Countermeasure Systems, Inc. (ACS). ACS prepared and certified these CRMs in accordance with ISO 17034 and ISO/ IEC 17025 Standards.

Simulator temperatures are traceable to NIST. Simulator temperatures are checked with NIST traceable digital thermometers calibrated by Precision Metrology in accordance with ISO/ IEC 17025 standards.

Dry gas control measurements are traceable to NIST through the use of CRMs supplied by an accredited CRM supplier. The supplier of dry gas standard controls prepared and certified the CRMs in accordance with ISO Guide 34 and ISO/ IEC 17025 standards.

11/08/2023
Date

TAYLOR D GUTSCHOW,
Department Inspector

INSTRUMENT PROCESSING SHEET

FDLE Florida Department of Law Enforcement

Agency Broward CSO S/N 80-007373

Date In 05/08/2023 DI Completion Date _____ ☐Ship ☐P/U ☐H/D ■CMI ☐EE

Intake By TDG

- ■ 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: _____

Quality Checks By TDG Date 05/18/2023

- ■ Breath Tube Screen
- ■ Replace External O-Rings
- ■ Instrument Set Up Verified
- ■ R-Value 237
- ■ Flow Verification (L/s)

Flow Column # ATP104

32 mm 0.148 (.139 - .169)
36 mm 0.164 (.156 - .190)
53 mm 0.234 (.228 - .278)
103 mm 0.500 (.447 - .547)

- ■ Barometric Pressure Check

Gauge ID # 28663

- ■ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	MP5094	202201C
		01/11/2024
0.080	MP5095	202201D
		01/18/2024
0.200	MP5096	202201E
		01/18/2024
0.080 DGS	N/A	AG223802
		08/26/2024

Flow Calibration By _____ Date _____

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 By _____

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

Calibration Adjustment By TDG

Barometric Pressure Gauge 1014 / 1016 ID # 28199 (x2)

Simulator	Serial #	Lot #	Expiration
0.000	MP6284	N/A	N/A
0.040	MP6285	21410	09/30/2023
0.100	MP6286	22310	08/11/2024
0.200	MP4864	22050	02/07/2024
0.300	MP6288	22220	06/15/2024
0.080 DGS	N/A	AG115904	06/08/2023

■ Post Calibration Adjustment Stability Checks

Simulator	Serial #	Lot #	Expiration
0.050	MP5094	202201C	01/11/2024
0.080	MP5095	202201D	01/18/2024
0.200	MP5096	202201E	01/18/2024
0.080 DGS	N/A	AG223802	08/26/2024

Department Inspection By _____

Barometric Pressure ID# _____

Gauge _____ Instrument _____

Mouth Alcohol Solution Lot # _____

Acetone Stock Solution Lot # _____

Simulator	Serial Number
0.000	
Interferent	
0.050	
0.080	
0.200	

Attachments

- ☐ Form 41
- ■ Stability Checks
- ☐ Calibration Certificate
- ■ Calibration Adjustment (x2)
- ■ Post-Stability Checks (x2)
- ☐ Flow Calibration
- ☐ Form 40
- ■ Other Extra Stabilities/Form 51

Notes/Suggested Service: Opticals 1 and 2 used the same equipment, solutions, and dry gas. Post-cal stabilities 1 and 2 used the same simulators, solutions, and dry gas. Instrument failed post-cal stabilities. Sending to CMI to evaluate. (TDG)

- ☐ **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**

Tech Review / Date _____ Admin Review / Date _____

Return Material Authorization

Ship to: ☑ CMI, Inc.

☐ Enforcement Electronics

Shipment to repair facility authorized by: Anaya Frazier on 05/18/2023

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

Instrument Model: Intoxilyzer 8000 Serial Number: 80-007373

Bill To Address:
Broward County Sheriff's Office
Attn: Anaya Frazier

Ship to Address:
Florida Department of Law Enforcement
Fort Myers Regional Operations Center
Attn: Alcohol Testing Program
4700 Terminal Drive, Suite 1
Fort Myers, FL 33907

Reason for Return:

Conducted two optical calibration adjustments but could not get post-cal stabilities to pass (see attached opticals and stabilities). Records have been uploaded by FDLE.

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: Anaya Frazier

Phone #: 305-218-6752 Email: Anaya_Frazier@sheriff.org

ATP Contact Name: Taylor Gutschow ATP Email: TaylorGutschow@fdle.state.fl.us

Type of Test	Serial Number	Agency	Date	Performed By
Stabilities ~~#~~ MG	80-00 7373	Broward CSO	05/18/2023	TDG MG

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 ✗ ≤0.003 of Wet ✓

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007373
05/18/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:10
Control Test	0.048	10:10
Air Blank	0.000	10:11
Control Test	0.051	10:12
Air Blank	0.000	10:12
Control Test	0.053	10:13
Air Blank	0.000	10:13
Control Test Stats		
Average	0.0507	
Std Dev	0.0025	
Rel Std Dev(%)	4.9670	

MG
Operator's Signature

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007373
05/18/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:18
Control Test	0.080	10:18
Air Blank	0.000	10:19
Control Test	0.079	10:20
Air Blank	0.000	10:20
Control Test	0.082	10:21
Air Blank	0.000	10:21
Control Test Stats		
Average	0.0803	
Std Dev	0.0015	
Rel Std Dev(%)	1.9015	

MG
Operator's Signature

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007373
05/18/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:26
Control Test	0.199	10:27
Air Blank	0.000	10:27
Control Test	0.200	10:28
Air Blank	0.000	10:28
Control Test	0.201	10:29
Air Blank	0.000	10:30
Control Test Stats		
Average	0.2000	
Std Dev	0.0010	
Rel Std Dev(%)	0.5000	

MG
Operator's Signature

DGS

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007373
05/18/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:04
Control Test	0.085	10:04
Air Blank	0.000	10:05
Control Test	0.080	10:05
Air Blank	0.000	10:06
Control Test	0.081	10:06
Air Blank	0.000	10:06
Control Test Stats		
Average	0.0820	
Std Dev	0.0026	
Rel Std Dev(%)	3.2265	

MG
Operator's Signature

Comments:

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007373
05/18/2023 10:31:19

Auto Calibration
Max Power Res Value = 89
Auto Range Res Value = 66

Sol Value = 0.000 g/210L xxx
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12689, 9um Io = 12633

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1370	(0.0040)
Sample #2 =	0.1650	(0.0100)
Sample #3 =	0.1360	(0.0450)
Sample #4 =	0.1270	(0.0540)

Avg % Abs = 0.1427 (0.0363)
STD DEV = 0.0199 (0.0232)
REL STD DEV = 13.919 (63.977)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1940	(-0.0130)
Sample #2 =	0.1510	(-0.0520)
Sample #3 =	0.1570	(0.0300)
Sample #4 =	0.0810	(-0.0020)

Avg % Abs = 0.1297 (-0.0080)
STD DEV = 0.0423 (0.0413)
REL STD DEV = 32.586 (516.599)

Sol Value = 0.040 g/210L xxx
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12675, 9um Io = 12630

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8430	(-0.0150)
Sample #2 =	0.8600	(-0.0080)
Sample #3 =	0.8420	(0.0100)
Sample #4 =	0.8630	(0.0060)

Avg % Abs = 0.8550 (0.0027)
STD DEV = 0.0114 (0.0095)
REL STD DEV = 1.328 (354.436)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5180	(0.0070)
Sample #2 =	1.5530	(0.0560)
Sample #3 =	1.4760	(0.1150)
Sample #4 =	1.4330	(0.1100)

Avg % Abs = 1.4873 (0.0937)
STD DEV = 0.0608 (0.0327)
REL STD DEV = 4.088 (34.928)

Sol Value = 0.040 g/210L xxx
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12671, 9um Io = 12614

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8620	(-0.0100)
Sample #2 =	0.8590	(0.0060)
Sample #3 =	0.8730	(0.0000)
Sample #4 =	0.8640	(0.0160)

Avg % Abs = 0.8653 (0.0073)
STD DEV = 0.0071 (0.0081)
REL STD DEV = 0.820 (110.221)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5070	(-0.0200)
Sample #2 =	1.4390	(0.0050)
Sample #3 =	1.4870	(-0.0400)
Sample #4 =	1.4770	(-0.0560)

Avg % Abs = 1.4677 (-0.0303)
STD DEV = 0.0253 (0.0316)
REL STD DEV = 1.725 (104.268)

Sol Value = 0.100 g/210L xxx
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12665, 9um Io = 12624

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.9060	(0.0040)
Sample #2 =	1.8920	(0.0180)
Sample #3 =	1.9200	(0.0080)
Sample #4 =	1.9060	(0.0280)

Avg % Abs = 1.9060 (0.0180)
STD DEV = 0.0140 (0.0100)
REL STD DEV = 0.735 (55.556)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4450	(0.0100)
Sample #2 =	3.4470	(0.0400)
Sample #3 =	3.4180	(0.0880)
Sample #4 =	3.4660	(0.0480)

Avg % Abs = 3.4437 (0.0587)
STD DEV = 0.0242 (0.0257)
REL STD DEV = 0.702 (43.835)

Sol Value = 0.200 g/210L xxx
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12660, 9um Io = 12627

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6390	(-0.0140)
Sample #2 =	3.6410	(0.0000)
Sample #3 =	3.6080	(0.0190)
Sample #4 =	3.6130	(0.0120)

Avg % Abs = 3.6207 (0.0103)
STD DEV = 0.0178 (0.0096)
REL STD DEV = 0.491 (92.991)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.5350	(0.0220)
Sample #2 =	6.5240	(0.0570)
Sample #3 =	6.5320	(0.0930)
Sample #4 =	6.5060	(0.0690)

Avg % Abs = 6.5207 (0.0730)
STD DEV = 0.0133 (0.0183)
REL STD DEV = 0.204 (25.110)

Optical Calibration #1
SN: 80-00 7373
Agency: Broward CSO
Date: 05/18/2023
Quadratic Fit: +/- 0.002g/210L ✓
By: TDG

Sol Value = 0.300 g/210L xxx
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12653, 9um Io = 12644

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.3020	(-0.0070)
Sample #2 =	5.2670	(0.0220)
Sample #3 =	5.2890	(0.0140)
Sample #4 =	5.2960	(0.0220)

Avg % Abs = 5.2840 (0.0193)
STD DEV = 0.0151 (0.0046)
REL STD DEV = 0.286 (23.890)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.5080	(-0.0340)
Sample #2 =	9.4800	(0.1050)
Sample #3 =	9.4660	(0.0950)
Sample #4 =	9.5570	(0.0680)

Avg % Abs = 9.5010 (0.0893)
STD DEV = 0.0490 (0.0191)
REL STD DEV = 0.516 (21.425)

---

xxxxx AUTO CAL DATA xxxxx

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.143
Std Dev = 0.02 Rel Std Dev = 13.92
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.865
Std Dev = 0.01 Rel Std Dev = 0.82
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.906
Std Dev = 0.01 Rel Std Dev = 0.73
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.621
Std Dev = 0.02 Rel Std Dev = 0.49
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.284
Std Dev = 0.02 Rel Std Dev = 0.29
Zero Order Coef = -388.44
First Order Coef = 2651.49
Second Order Coef = 23.79
Standard Deviation = 11.830306

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.130
Std Dev = 0.04 Rel Std Dev = 32.59
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.468
Std Dev = 0.03 Rel Std Dev = 1.73
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.444
Std Dev = 0.02 Rel Std Dev = 0.70
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.521
Std Dev = 0.01 Rel Std Dev = 0.20
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.501
Std Dev = 0.05 Rel Std Dev = 0.52
Zero Order Coef = -185.44
First Order Coef = 1399.87
Second Order Coef = 13.06
Standard Deviation = 19.987240

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	-0.000	0.0002
0.040	0.040	-0.0004
0.100	0.100	0.0002
0.200	0.200	0.0000
0.300	0.300	-0.0000

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	0.0002
0.100	0.101	-0.0006
0.200	0.199	0.0005
0.300	0.300	-0.0002

```
Sol Value = 0.080 g/210L xxx
Fit value = 0.3810 mg/l  %%%%
Samples Taken = 4, Discarded = 1
xxxxx CHANNEL 1
Sample #1 =  2897.00
Sample #2 =  2844.00
Sample #3 =  2831.00
Sample #4 =  2833.00
Average Result = 2836.0000
STD DEV = 7.0000
REL STD DEV = 0.247
xxxxxxxxxx
xxxxx CHANNEL 2
Sample #1 =  3292.00
Sample #2 =  3366.00
Sample #3 =  3320.00
Sample #4 =  3281.00
Average Result = 3322.3333
STD DEV = 42.5480
REL STD DEV = 1.281
xxxxxxxxxx
Dry Gas H2O Adjust Results xxxxxxxxxx
  Barometric Pressure = 1014
  3 um H2O Adjust (mg/l*10,000) = 973
  9 um H2O Adjust (mg/l*10,000) = 487
xxxx AUTO CAL PASS
```

A "Fault Det Remn Sol?" message was generated after running the 0.04 g/210L cal adjust solution.

TDG
5/18/2023

Optical Calibration #1	
SN:	80-00 7373
Agency:	Broward CSD
Date:	05/18/2023
Quadratic Fit: +/- 0.002g/210L	✓
By:	TDG TDG

Type of Test	Serial Number	Agency	Date	Performed By
Stabilities (Post-Cal #1)	80-00 7373	Broward CSO	05/18/2023	TDG MG

0.05g/210L	0.08g/210L	0.20g/210L	DGS 0.08g/210L
0.047 to 0.053 X	0.077 to 0.083 X	0.194 to 0.206 ✓	0.077 to 0.083 ✓ ≤0.003 of Wet ✓

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007373
05/18/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:02
Control Test	0.050	12:03
Air Blank	0.000	12:03
Control Test	0.048	12:04
Air Blank	0.000	12:05
Control Test	0.045	12:05
Air Blank	0.000	12:06
Control Test Stats		
Average	0.0477	
Std Dev	0.0025	
Rel Std Dev(%)	5.2796	

MG
Operator's Signature

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007373
05/18/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:08
Control Test	0.079	12:09
Air Blank	0.000	12:10
Control Test	0.075	12:10
Air Blank	0.000	12:11
Control Test	0.081	12:12
Air Blank	0.000	12:12
Control Test Stats		
Average	0.0783	
Std Dev	0.0031	
Rel Std Dev(%)	3.9001	

MG
Operator's Signature

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007373
05/18/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:15
Control Test	0.197	12:15
Air Blank	0.000	12:16
Control Test	0.201	12:17
Air Blank	0.000	12:17
Control Test	0.198	12:18
Air Blank	0.000	12:18
Control Test Stats		
Average	0.1987	
Std Dev	0.0021	
Rel Std Dev(%)	1.0478	

MG
Operator's Signature

DLS

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007373
05/18/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:56
Control Test	0.078	11:56
Air Blank	0.000	11:57
Control Test	0.078	11:57
Air Blank	0.000	11:58
Control Test	0.079	11:58
Air Blank	0.000	11:59
Control Test Stats		
Average	0.0783	
Std Dev	0.0006	
Rel Std Dev(%)	0.7370	

MG
Operator's Signature

Comments:

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007373
05/18/2023 12:19:41

Auto Calibration
Max Power Res Value = 89
Auto Range Res Value = 66

Sol Value = 0.000 g/210L xxx
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12650, 9um Io = 12625

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1620	(-0.0200)
Sample #2 =	0.1340	(0.0240)
Sample #3 =	0.1100	(0.0480)
Sample #4 =	0.1100	(0.0630)

Avg % Abs = 0.1180 (0.0450)
STD DEV = 0.0139 (0.0197)
REL STD DEV = 11.743 (43.716)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1060	(-0.0010)
Sample #2 =	0.1040	(0.0060)
Sample #3 =	-0.2400	(0.1200)
Sample #4 =	0.0820	(-0.0890)

Avg % Abs = -0.0180 (0.0123)
STD DEV = 0.1926 (0.1046)
REL STD DEV = 1069.845 (848.464)

Sol Value = 0.040 g/210L xxx
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12639, 9um Io = 12616

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8620	(-0.0160)
Sample #2 =	0.8240	(0.0060)
Sample #3 =	0.8450	(0.0010)
Sample #4 =	0.8620	(0.0000)

Avg % Abs = 0.8437 (0.0023)
STD DEV = 0.0190 (0.0032)
REL STD DEV = 2.256 (137.766)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.3790	(-0.0670)
Sample #2 =	1.4140	(0.0760)
Sample #3 =	1.5850	(-0.0690)
Sample #4 =	1.4470	(0.0900)

Avg % Abs = 1.4820 (0.0323)
STD DEV = 0.0907 (0.0880)
REL STD DEV = 6.121 (272.276)

Sol Value = 0.040 g/210L xxx
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12636, 9um Io = 12590

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8390	(-0.0140)
Sample #2 =	0.8440	(-0.0060)
Sample #3 =	0.8190	(0.0110)
Sample #4 =	0.8260	(0.0060)

Avg % Abs = 0.8297 (0.0037)
STD DEV = 0.0129 (0.0087)
REL STD DEV = 1.554 (238.279)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5420	(-0.1160)
Sample #2 =	1.5840	(-0.1310)
Sample #3 =	1.5100	(-0.2220)
Sample #4 =	1.4830	(-0.1600)

Avg % Abs = 1.5257 (-0.1710)
STD DEV = 0.0523 (0.0465)
REL STD DEV = 3.427 (27.185)

Sol Value = 0.040 g/210L xxx
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12634, 9um Io = 12601

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8600	(-0.0240)
Sample #2 =	0.8460	(0.0000)
Sample #3 =	0.8490	(-0.0030)
Sample #4 =	0.8210	(0.0180)

Avg % Abs = 0.8387 (0.0050)
STD DEV = 0.0154 (0.0114)
REL STD DEV = 1.833 (227.156)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4910	(0.0000)
Sample #2 =	1.4910	(0.0260)
Sample #3 =	1.4530	(0.0830)
Sample #4 =	1.4650	(0.0900)

Avg % Abs = 1.4697 (0.0663)
STD DEV = 0.0194 (0.0351)
REL STD DEV = 1.322 (52.922)

Sol Value = 0.100 g/210L xxx
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12631, 9um Io = 12591

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.9290	(-0.0140)
Sample #2 =	1.8930	(0.0070)
Sample #3 =	1.9230	(-0.0060)
Sample #4 =	1.8910	(0.0160)

Avg % Abs = 1.9023 (0.0057)
STD DEV = 0.0179 (0.0111)
REL STD DEV = 0.942 (195.184)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4200	(0.0110)
Sample #2 =	3.4240	(0.0110)
Sample #3 =	3.4450	(-0.0330)
Sample #4 =	3.4420	(-0.0020)

Avg % Abs = 3.4370 (-0.0080)
STD DEV = 0.0114 (0.0226)
REL STD DEV = 0.330 (282.566)

Optical Calibration #2
SN: 80-00 7373
Agency: Broward CSO
Date: 05/18/2023
Quadratic Fit: +/- 0.002g/210L ✓
By: TDG TDG

Sol Value = 0.200 g/210L xxx
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12628, 9um Io = 12586

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6050	(-0.0100)
Sample #2 =	3.6120	(-0.0010)
Sample #3 =	3.6390	(-0.0130)
Sample #4 =	3.6360	(-0.0180)

Avg % Abs = 3.6290 (-0.0107)
STD DEV = 0.0148 (0.0087)
REL STD DEV = 0.408 (81.908)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.5250	(0.0230)
Sample #2 =	6.5490	(0.0470)
Sample #3 =	6.5430	(0.0690)
Sample #4 =	6.5870	(0.0230)

Avg % Abs = 6.5597 (0.0463)
STD DEV = 0.0239 (0.0230)
REL STD DEV = 0.364 (49.656)

Sol Value = 0.300 g/210L xxx
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12628, 9um Io = 12581

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.2640	(-0.0120)
Sample #2 =	5.2790	(0.0020)
Sample #3 =	5.2580	(0.0150)
Sample #4 =	5.2360	(0.0220)

Avg % Abs = 5.2577 (0.0130)
STD DEV = 0.0215 (0.0101)
REL STD DEV = 0.409 (78.068)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.4930	(-0.0380)
Sample #2 =	9.4400	(0.0360)
Sample #3 =	9.4900	(0.0580)
Sample #4 =	9.5100	(0.0280)

Avg % Abs = 9.4800 (0.0407)
STD DEV = 0.0361 (0.0155)
REL STD DEV = 0.380 (38.201)

---

xxxxx AUTO CAL DATA xxxxx

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.118
Std Dev = 0.01 Rel Std Dev = 11.74
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.839
Std Dev = 0.02 Rel Std Dev = 1.83
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.902
Std Dev = 0.02 Rel Std Dev = 0.94
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.629
Std Dev = 0.01 Rel Std Dev = 0.41
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.258
Std Dev = 0.02 Rel Std Dev = 0.41
Zero Order Coef = -292.81
First Order Coef = 2578.31
Second Order Coef = 36.68
Standard Deviation = 16.856998

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = -0.018
Std Dev = 0.19 Rel Std Dev = 1069.84
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.470
Std Dev = 0.02 Rel Std Dev = 1.32
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.437
Std Dev = 0.01 Rel Std Dev = 0.33
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.560
Std Dev = 0.02 Rel Std Dev = 0.36
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.480
Std Dev = 0.04 Rel Std Dev = 0.38
Zero Order Coef = -12.56
First Order Coef = 1315.73
Second Order Coef = 20.44
Standard Deviation = 38.445946

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.000	-0.0003
0.040	0.040	0.0002
0.100	0.100	0.0004
0.200	0.200	-0.0005
0.300	0.300	0.0002

Solution Stats Quadratic Fit Chan 2

Act g/210L	Fit g/210L	Residual g/210L
0.000	-0.001	0.0008
0.040	0.041	-0.0013
0.100	0.100	0.0002
0.200	0.199	0.0005
0.300	0.300	-0.0002

Sol Value = 0.080 g/210L xxx
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
xxxxx CHANNEL 1
Sample #1 = 2817.00
Sample #2 = 2804.00
Sample #3 = 2836.00
Sample #4 = 2851.00
Average Result = 2830.3333
STD DEV = 24.0069
REL STD DEV = 0.848
xxxxxxxxxx
xxxxx CHANNEL 2
Sample #1 = 3246.00
Sample #2 = 3223.00
Sample #3 = 3269.00
Sample #4 = 3281.00
Average Result = 3257.6667
STD DEV = 30.6159
REL STD DEV = 0.940
xxxxxxxxxx
Dry Gas H2O Adjust Results xxxxxxxxxx
Barometric Pressure = 1015
3 um H2O Adjust (mg/l*10,000) = 979
9 um H2O Adjust (mg/l*10,000) = 552
xxxx AUTO CAL PASS

Several "Fault Det Rerun Sol?" messages were generated while running the 0.04 g/210L cal adjust solution.

MG
5/18/2023

Optical Calibration #2	
SN:	80-00 7373
Agency:	Broward CSO
Date:	05/18/2023
Quadratic Fit: +/- 0.002g/210L	✓
By:	TDG MG

Type of Test	Serial Number	Agency	Date	Performed By
Stabilities (Post-Cal #2)	80-007373	Broward CSO	05/18/2023	TDG MG

0.05g/210L	0.08g/210L	0.20g/210L	DGS 0.08g/210L
0.047 to 0.053 ✓	0.077 to 0.083 X	0.194 to 0.206 ✓	0.077 to 0.083 ✓ ≤0.003 of Wet ✓

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007373
05/18/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:24
Control Test	0.049	13:24
Air Blank	0.000	13:25
Control Test	0.047	13:26
Air Blank	0.000	13:26
Control Test	0.050	13:27
Air Blank	0.000	13:27
Control Test Stats		
Average	0.0487	
Std Dev	0.0015	
Rel Std Dev(%)	3.1388	

MG
Operator's Signature

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007373
05/18/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:08
Control Test	0.085	14:09
Air Blank	0.000	14:09
Control Test	0.076	14:10
Air Blank	0.000	14:11
Control Test	0.087	14:11
Air Blank	0.000	14:12
Control Test Stats		
Average	0.0827	
Std Dev	0.0059	
Rel Std Dev(%)	7.0881	

MG
Operator's Signature

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007373
05/18/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:42
Control Test	0.196	14:43
Air Blank	0.000	14:43
Control Test	0.195	14:44
Air Blank	0.000	14:45
Control Test	0.196	14:45
Air Blank	0.000	14:46
Control Test Stats		
Average	0.1957	
Std Dev	0.0006	
Rel Std Dev(%)	0.2951	

MG
Operator's Signature

DGS

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007373
05/18/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:31
Control Test	0.080	13:31
Air Blank	0.000	13:31
Control Test	0.081	13:32
Air Blank	0.000	13:32
Control Test	0.080	13:33
Air Blank	0.000	13:33
Control Test Stats		
Average	0.0803	
Std Dev	0.0006	
Rel Std Dev(%)	0.7187	

MG
Operator's Signature

Comments:

80-007373
Extra Stabilities
MG

0.04 Solution

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007373
05/18/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:36
Control Test	0.040	13:37
Air Blank	0.000	13:38
Control Test	0.042	13:38
Air Blank	0.000	13:39
Control Test	0.041	13:39
Air Blank	0.000	13:40
Control Test	0.039	13:41
Air Blank	0.000	13:41
Control Test	0.041	13:42
Air Blank	0.000	13:42
Control Test	0.042	13:43
Air Blank	0.000	13:44
Control Test	0.044	13:44
Air Blank	0.000	13:45
Control Test	0.041	13:46
Air Blank	0.000	13:46
Control Test	0.044	13:47
Air Blank	0.000	13:47
Control Test	0.041	13:48
Air Blank	0.000	13:49
Control Test	0.042	13:49
Air Blank	0.000	13:50
Control Test	0.039	13:50
Air Blank	0.000	13:51
Control Test	0.041	13:52
Air Blank	0.000	13:52
Control Test	INT*	13:53
Air Blank	0.000	13:53
Control Test	0.040	13:54
Air Blank	AMB**	13:55
Air Blank	0.000	13:55

*Interferent Detect
**Ambient Fail

MG
Operator's Signature

0.05 Solution

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007373
05/18/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:15
Control Test	0.051	14:16
Air Blank	0.000	14:16
Control Test	0.049	14:17
Air Blank	0.000	14:17
Control Test	0.054	14:18
Air Blank	0.000	14:19
Control Test	0.045	14:19
Air Blank	0.000	14:20
Control Test	0.055	14:20
Air Blank	0.000	14:21
Control Test	0.049	14:22
Air Blank	0.000	14:22
Control Test	0.052	14:23
Air Blank	0.000	14:23
Control Test	0.055	14:24
Air Blank	0.000	14:25
Control Test	0.052	14:25
Air Blank	0.000	14:26
Control Test	0.047	14:27
Air Blank	0.000	14:27
Control Test	0.053	14:28
Air Blank	0.000	14:28
Control Test	0.049	14:29
Air Blank	0.000	14:30
Control Test	0.049	14:30
Air Blank	0.000	14:31
Control Test	0.050	14:32
Air Blank	0.000	14:32
Control Test	0.048	14:33
Air Blank	0.000	14:33
Control Test	0.056	14:34
Air Blank	0.000	14:35
Control Test	0.049	14:35
Air Blank	0.000	14:36
Control Test	0.049	14:36
Air Blank	0.000	14:37
Control Test	0.049	14:38
Air Blank	0.000	14:38
Control Test	0.050	14:39
Air Blank	0.000	14:39

Control Test Stats

Average	0.0506
Std Dev	0.0029
Rel Std Dev(%)	5.7218

MG
Operator's Signature