INSTRUMENT PROCESSING SHEET

FDLE Florida Department of Law Enforcement

Agency Broward CSO S/N 80-006925

Date In 07/13/2023 DI Completion Date 07/17/2023 ■Ship ❑P/U ❑H/D ❑CMI ❑EE

TDG 7/21/2023

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 07/17/2023

- ■ Breath Tube Screen
- ■ Replace External O-Rings
- ■ Instrument Set Up Verified
- ■ R-Value 130
- ■ Flow Verification (L/s)

Flow Column # ATP104

32 mm 0.152 (.139 - .169)
36 mm 0.171 (.156 - .190)
53 mm 0.242 (.228 - .278)
103 mm 0.488 (.447 - .547)

- ■ Barometric Pressure Check

Gauge ID # 26932

- ■ 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

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 1017 Instrument 1016

Mouth Alcohol Solution Lot # 2021-D

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:

Admin Review: Indicated instrument returned from repair on IPS. (TDG 7/21/2023)

- ■ **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**

Israel Soto Digitally signed by Israel Soto Date: 2023.07.18 08:00:50 -04'00' — Tech Review / Date

Phil Nicodemo Digitally signed by Phil Nicodemo Date: 2023.07.21 13:43:01 -04'00' — Admin Review / Date

Type of Test	Serial Number	Agency	Date	Performed By
Stabilities	80-006925	Broward CSO	07/17/2023	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 80-006925
07/17/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:04
Control Test	0.050	10:05
Air Blank	0.000	10:05
Control Test	0.050	10:06
Air Blank	0.000	10:06
Control Test	0.049	10:07
Air Blank	0.000	10:08
Control Test Stats		
Average	0.0497	
Std Dev	0.0006	
Rel Std Dev(%)	1.1625	

MG
Operator's Signature

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006925
07/17/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:10
Control Test	0.079	10:11
Air Blank	0.000	10:12
Control Test	0.078	10:12
Air Blank	0.000	10:13
Control Test	0.080	10:14
Air Blank	0.000	10:14
Control Test Stats		
Average	0.0790	
Std Dev	0.0010	
Rel Std Dev(%)	1.2658	

MG
Operator's Signature

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006925
07/17/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:18
Control Test	0.202	10:18
Air Blank	0.000	10:19
Control Test	0.202	10:20
Air Blank	0.000	10:20
Control Test	0.202	10:21
Air Blank	0.000	10:21
Control Test Stats		
Average	0.2020	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

MG
Operator's Signature

DGS

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006925
07/17/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:23
Control Test	0.077	10:23
Air Blank	0.000	10:24
Control Test	0.078	10:24
Air Blank	0.000	10:25
Control Test	0.078	10:25
Air Blank	0.000	10:25
Control Test Stats		
Average	0.0777	
Std Dev	0.0006	
Rel Std Dev(%)	0.7434	

MG
Operator's Signature

Comments:

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: BROWARD COUNTY SO
Time of Inspection: 12:58
Date of Inspection: 07/17/2023
Serial Number: 80-006925
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#:202201C Exp: 01/11/2024	0.08g/210L Test (g/210L) Lot#:202201D Exp: 01/18/2024	0.20g/210L Test (g/210L) Lot#:202201E Exp: 01/18/2024	0.08 g/210L Dry Gas Std Test (g/210L) Lot#:AG223802 Exp: 08/26/2024
0.000	0.049	0.079	0.202	0.077
0.000	0.049	0.079	0.202	0.078
0.000	0.050	0.079	0.202	0.078
0.000	0.050	0.079	0.202	0.077
0.000	0.050	0.079	0.203	0.078
0.000	0.050	0.079	0.202	0.077
0.000	0.049	0.079	0.203	0.078
0.000	0.050	0.079	0.203	0.077
0.000	0.050	0.079	0.203	0.077
0.000	0.050	0.079	0.203	0.077

Standard Deviations	0.0004	0.0000	0.0005	0.0005

Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0003 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 D GUTSCHOW
Signature and Printed Name

07/17/2023
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 80-006925 , manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-006925
Owning Agency:	BROWARD COUNTY SO
Calibration Date:	07/17/2023
Calibration Time:	12:58

	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.

07/17/2023
Date

TAYLOR D GUTSCHOW,
Department Inspector

INSTRUMENT PROCESSING SHEET

Florida Department of Law Enforcement

Agency Broward CSO S/N 80-006925

Date In 02/07/2023 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: Missing two screws on the dry gas regulator valve

Quality Checks By TDG Date 02/16/2023

- ■ Breath Tube Screen
- ■ Replace External O-Rings
- ■ Instrument Set Up Verified
- ■ R-Value 145
- ■ Flow Verification (L/s)

Flow Column # ATP104

32 mm 0.140 (.139 - .169)
36 mm 0.160 (.156 - .190)
53 mm 0.230 (.228 - .278)
103 mm 0.500 (.447 - .547)

- ■ Barometric Pressure Check

Gauge ID # 68639

- ■ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	MP5092	202201C
		01/11/2024
0.080	MP5093	202201D
		01/18/2024
0.200	MP5094	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 TDG

- ☐ Battery Replacement
- ☐ Dry Gas Regulator Replacement
- ☐ Breath Tube Replacement
- ■ Other Added two screws to the dry gas regulator valve on 2/16 prior to conducting the Quality Checks

Calibration Adjustment By TDG

Barometric Pressure Gauge 1024 / 1024 ID # 28199

Simulator	Serial #	Lot #	Expiration
0.000	MP5099	N/A	N/A
0.040	MP5096	21410	09/30/2023
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 _____

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 Adjustments
- ☐ Post-Stability Checks
- ☐ Flow Calibration
- ☐ Form 40
- ■ Other Form 51

Notes/Suggested Service: Optical calibration adjustments were unsuccessful and could not be completed. Did not perform post-calibration Stability Checks or Department Inspection. Did not determine compliance with Chapter 11D-8, FAC. Will send to repair. (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 02/28/2023

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

Instrument Model: Intoxilyzer 8000 Serial Number: 80-006925

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

Reason for Return:

Cannot conduct a successful optical calibration adjustment. Keeps giving "Fault Det" message during the 0.04 g/210 L portion.

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	80-006925	Broward CSO	02/16/2023	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 80-006925
02/16/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:58
Control Test	0.047	10:59
Air Blank	0.000	11:00
Control Test	0.046	11:00
Air Blank	0.000	11:01
Control Test	0.048	11:02
Air Blank	0.000	11:02

Control Test Stats

Average	0.0470
Std Dev	0.0010
Rel Std Dev(%)	2.1277

MG
Operator's Signature

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006925
02/16/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:49
Control Test	0.079	10:50
Air Blank	0.000	10:51
Control Test	0.077	10:51
Air Blank	0.000	10:52
Control Test	0.076	10:53
Air Blank	0.000	10:53

Control Test Stats

Average	0.0773
Std Dev	0.0015
Rel Std Dev(%)	1.9753

MG
Operator's Signature

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006925
02/16/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:06
Control Test	0.199	11:07
Air Blank	0.000	11:07
Control Test	0.197	11:08
Air Blank	0.000	11:08
Control Test	0.194	11:09
Air Blank	0.000	11:10

Control Test Stats

Average	0.1967
Std Dev	0.0025
Rel Std Dev(%)	1.2796

MG
Operator's Signature

DGS

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006925
02/16/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:11
Control Test	0.077	11:11
Air Blank	0.000	11:12
Control Test	0.082	11:12
Air Blank	0.000	11:12
Control Test	0.079	11:13
Air Blank	0.000	11:13

Control Test Stats

Average	0.0793
Std Dev	0.0025
Rel Std Dev(%)	3.1722

MG
Operator's Signature

Comments: The 0.05 and 0.08 ARS are outside the nominal range. Will perform an optical cal adjust. MG 02/16/2023

#1

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006925
02/23/2023 10:28:07

Auto Calibration
Max Power Res Value = 95
Auto Range Res Value = 79

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12632, 9um Io = 12115

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0770	(-0.0220)
Sample #2 =	0.0610	(0.0100)
Sample #3 =	0.0180	(0.0150)
Sample #4 =	0.0850	(0.0020)

Avg % Abs = 0.0547 (0.0090)
STD DEV = 0.0339 (0.0066)
REL STD DEV = 62.096 (72.860)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1010	(0.0630)
Sample #2 =	0.2490	(0.0440)
Sample #3 =	0.1500	(-0.0210)
Sample #4 =	0.0330	(0.0570)

Avg % Abs = 0.1440 (0.0267)
STD DEV = 0.1081 (0.0418)
REL STD DEV = 75.087 (156.709)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12623, 9um Io = 12111

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7600	(0.0000)
Sample #2 =	0.7360	(0.0080)
Sample #3 =	0.7360	(0.0160)
Sample #4 =	0.7690	(-0.0090)

Avg % Abs = 0.7470 (0.0050)
STD DEV = 0.0191 (0.0128)
REL STD DEV = 2.551 (255.343)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4430	(-0.0870)
Sample #2 =	1.4190	(-0.1590)
Sample #3 =	1.4250	(-0.1600)
Sample #4 =	1.4980	(-0.2520)

Avg % Abs = 1.4473 (-0.1903)
STD DEV = 0.0440 (0.0534)
REL STD DEV = 3.039 (28.060)

#1

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12617, 9um Io = 12116

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7390	(-0.0100)
Sample #2 =	0.7280	(0.0010)
Sample #3 =	0.7340	(0.0030)
Sample #4 =	0.7960	(-0.0200)

Avg % Abs = 0.7527 (-0.0053)
STD DEV = 0.0376 (0.0127)
REL STD DEV = 5.002 (238.894)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.3950	(-0.0340)
Sample #2 =	1.4230	(-0.1170)
Sample #3 =	1.3830	(-0.0660)
Sample #4 =	1.3780	(-0.1300)

Avg % Abs = 1.3947 (-0.1043)
STD DEV = 0.0247 (0.0338)
REL STD DEV = 1.768 (32.423)

**** AUTO CAL FAIL

#2

BROWARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006925
02/23/2023 11:48:02

Auto Calibration
Max Power Res Value = 96
Auto Range Res Value = 80

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12702, 9um Io = 12169

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0590	(-0.0280)
Sample #2 =	0.0090	(0.0030)
Sample #3 =	0.0090	(0.0060)
Sample #4 =	0.0290	(0.0020)

Avg % Abs = 0.0157 (0.0037)
STD DEV = 0.0115 (0.0021)
REL STD DEV = 73.704 (56.773)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0380	(0.0540)
Sample #2 =	0.1050	(0.0560)
Sample #3 =	-0.0210	(-0.0770)
Sample #4 =	0.0810	(-0.0830)

Avg % Abs = 0.0550 (-0.0347)
STD DEV = 0.0669 (0.0786)
REL STD DEV = 121.642 (226.664)

Optical Calibration 1 + 2	
SN:	80-006925
Agency:	Broward CSO
Date:	02/23/2023
Quadratic Fit: +/- 0.002g/210L	
By:	TDG TG

Could not conduct successful cal adjust. Kept receiving "Fault Det" message on the 0.04 solution and could not pass. Tried 2 separate adjustments w/ the same results.
TG 02/23/2023

#2

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12700, 9um Io = 12210

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7950	(-0.0160)
Sample #2 =	0.7540	(-0.0140)
Sample #3 =	0.7850	(-0.0060)
Sample #4 =	0.7130	(0.0350)

Avg % Abs = 0.7507 (0.0050)
STD DEV = 0.0361 (0.0263)
REL STD DEV = 4.811 (525.738)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.7890	(-0.0430)
Sample #2 =	1.3790	(0.1350)
Sample #3 =	1.1560	(0.3910)
Sample #4 =	1.2750	(0.3590)

Avg % Abs = 1.2700 (0.2950)
STD DEV = 0.1116 (0.1395)
REL STD DEV = 8.786 (47.283)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12697, 9um Io = 12185

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7840	(-0.0130)
Sample #2 =	0.7350	(0.0130)
Sample #3 =	0.7180	(0.0240)
Sample #4 =	0.7850	(-0.0060)

Avg % Abs = 0.7460 (0.0103)
STD DEV = 0.0348 (0.0152)
REL STD DEV = 4.669 (146.872)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.3500	(-0.0430)
Sample #2 =	1.2860	(-0.0720)
Sample #3 =	1.2950	(-0.1470)
Sample #4 =	1.3980	(-0.2610)

Avg % Abs = 1.3263 (-0.1600)
STD DEV = 0.0622 (0.0952)
REL STD DEV = 4.692 (59.480)

#2

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12692, 9um Io = 12211

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7260	(-0.0050)
Sample #2 =	0.7770	(-0.0210)
Sample #3 =	0.7480	(0.0080)
Sample #4 =	0.7300	(0.0100)

Avg % Abs = 0.7517 (-0.0010)
STD DEV = 0.0237 (0.0173)
REL STD DEV = 3.155 (1734.935)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.3750	(0.0490)
Sample #2 =	1.4290	(0.0550)
Sample #3 =	1.1520	(0.0920)
Sample #4 =	1.4350	(-0.0300)

Avg % Abs = 1.3387 (0.0390)
STD DEV = 0.1617 (0.0626)
REL STD DEV = 12.078 (160.395)

**** AUTO CAL FAIL